FROM HI-Fi TO LO-Fi

SHARING DIGITAL BORN STORIES IN THE DEVELOPING WORLD



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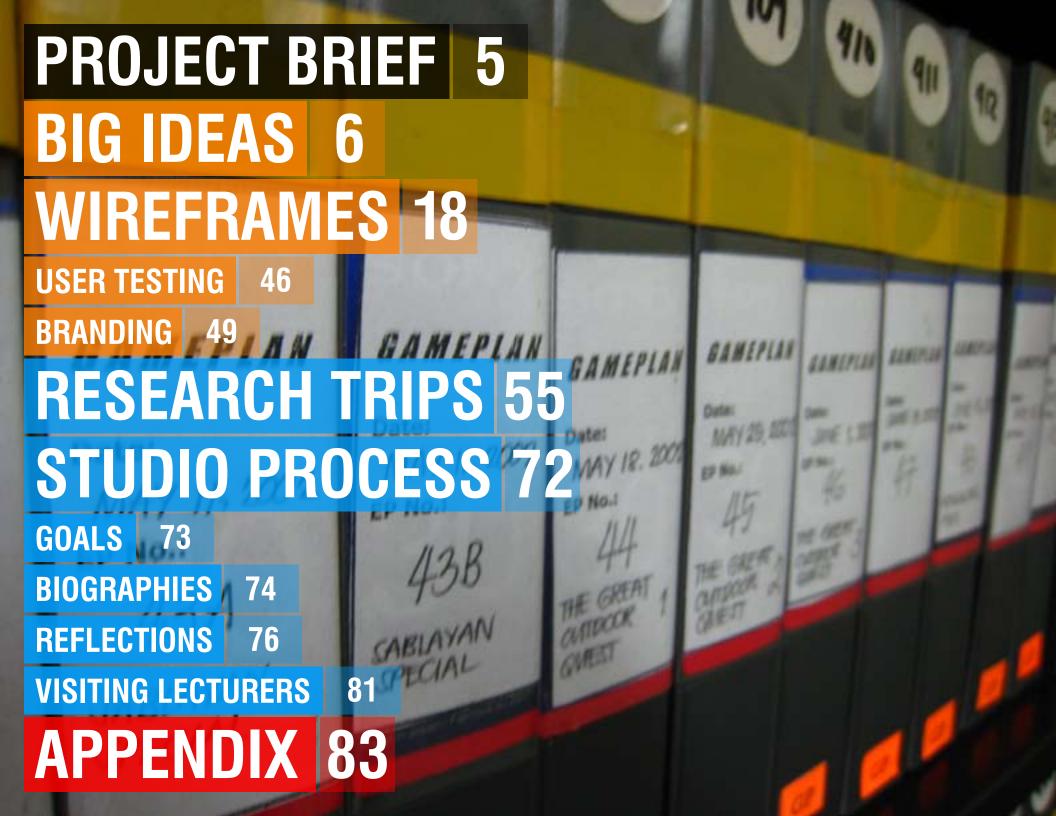
This project is made possible by the participation and generous support of:

the graduate media design program art center college of design









INTRODUCTION

For nearly 80 years, Art Center College of Design, located in Pasadena, California, has been one of the world's leading institutions for design education. Art Center offers undergraduate and graduate degrees in a wide variety of design and fine art disciplines, and the College's pragmatic, real-world approach provides graduates with the education and experience to become creative leaders in their chosen professions. Art Center's multidisciplinary, rigorous curricula respond to a fundamental belief that interchanges among disparate fields of knowledge and design disciplines have become essential to contemporary higher education. The college is a laboratory for innovation, a locus for partnerships and collaborations with industry and public sector development agencies, and a center of international public dialogue on the larger role of design.

Art Center places a singular emphasis on real-world relevance and advocacy for the public policy role of design in partnership with many kinds of enterprise. This approach is epitomized by the College-wide Designmatters initiative, which unites humanitarian, social and educational objectives, and responsible

business practices. In recognition of its service to society, Art Center is the first design school to receive Non-Governmental Organization status at the United Nations and the Organization of American States.

This publication documents research findings, concepts, and designs from a transdisciplinary design studio led by the Graduate Media Design Department and Designmatters in the spring academic term 2008. The outcomes of this studio are the result of a close collaboration between Art Center, the Innovation and Development Unit of the Division of Communication, Youth Section at UNICEF, and mDialog.

As the following pages attest, in an increasingly digital global society, young people with wider access to technology and new media platforms have not only an opportunity to meet with their peers around the world, but also to converge on societal issues of common concern. The design of smart tools, systems and communication portals that empower youth to take advantage of such new technologies will immeasurably expand their civic participation at all levels, and will enable them to give new voice to their stories.

Mariana Amatullo Vice President, International Initiatives Director, Designmatters Art Center College of Design

Anne Burdick Chair, The Graduate Media Design Program Art Center College of Design

PROJECT BRIEF

In Spring 2008, a 13-week transdisciplinary studio was offered by Designmatters, partnered with Art Center's Graduate Media Design Program and sponsored by the Division of Communication, Youth Section of UNICEF and the emerging video sharing website mDialog. Six students from Graphic Design, Fine Art, Illustration. Photography, and Graduate Media Design undertook the challenge to develop platforms and networks for youth journalists groups in the developing world. The initial goal of the class was to work directly with two youth groups who currently produce their own online video journalism content, one in the Philippines and one in the Caribbean, in order to identify needs and opportunities, particularly around media sharing. community, social networking, and advocacy. The class was asked to explore tools, both hi-fi and lo-fi, that might support these communities, and address significant issues surrounding the digital divide, such as accessibility. We asked, why, in a world of YouTube and Facebook, is this interesting or necessary? What new formats might result that allow greater participation? How might lo-tech affordances be used to generate a sophisticated social network for story sharing?

What began as an investigation into low bandwidth issues and limited access of the youth journalist groups evolved into an extensive research project

What began as an investigation into low bandwidth issues evolved into an extensive research project that sent four students to the Philippines and the Caribbean to collect information for the design of a storytelling system.

which resulted in: sending four students to the Philippines and the Caribbean for a week's worth of first-hand interaction with the youth journalist groups to learn about their cultures, special guest lectures from leading experts in the field, and surveying and usability testing among the youth groups themselves. As often is the case in such human-centered research projects, the richness of this qualitative research lead the class to find their own way through the material, challenge assumptions, discover unexpected opportunities, and continually redefine their approaches. From textmessage prayers to mile-long internet cafe malls, social networking pets to information pools, each detail helped to define a complex, yet colorful landscape for the project.

Documented in this book, the class has presented a range of thoughtful and innovative concepts that were tested with the youth groups themselves—including systems that could actually be implemented today, with support from UNICEF's technology partner mDialog. Equally significant, the students share their knowledge, insights, and imagination about future possibilities and explore how this project may scale, for example, working with youth groups in other places or circumstances as new technologies become more readily available.

Ironically, one of the most impressive outcomes of this TDS class was not in the final outcome itself, but in the collaborative experience as a whole. Working with real "clients" on real issues results in very real opportunities and challenges. It was a holistic learning process, involving a large investment of time, resources and energy on everyone's part. Our goals collectively transformed over the course of the term, shaped by research findings, emerging interests, new discoveries, and valuable feedback from the youth groups and our partners. And while the path was not always clear nor direct, the project proved to be an invaluable experience for all involved.

Throughout the term, the students remained resourceful, diligent, and open-minded, taking on each challenge as it came, as did our partners at UNICEF and mDialog and our support from Designmatters and the Media Design program. From organizing trips to Asia and the Caribbean on less than a week's notice to coordinating a video conference with UNICEF in New York and mDialog in Toronto from our studio in Pasadena, it was truly an effort of global proportions. We are deeply appreciative for everyone's help in making this studio possible and for the opportunity to begin a path towards future endeavors.





CREATING SPECIFIC SYSTEMS FOR THREE DISTINCT AUDIENCES

When telling stories, the needs of the audience are always important to the way the story is delivered. We found three different audiences, each with its own distinct needs for a storytelling system:

YOUTH MEDIA PRODUCERS

Youth journalists need simple tools that allow them to produce stories while working asynchronously and to create downsampled versions of their high-bandwidth stories for distribution to local audiences.

LOCAL COMMUNITIES IN DEVELOPING REGIONS

Audiences in developing regions should be able to access stories by the (generally lo-fi) technologies available to them: namely mobile phones. The ability to respond to these stories and to share them with friends also needs to incorporated. See the apendix for a sketch of such a site.

THE GLOBAL COMMUNITY

A web portal for the global audience is a gathering place for stories from youth journalism groups around the world. The global site gives special consideration to the privacy and access concerns of the local youth groups.

MOBILE PHONES BRIDGE THE GAP

There are an estimated 45 million cellphone users in the Philippines.

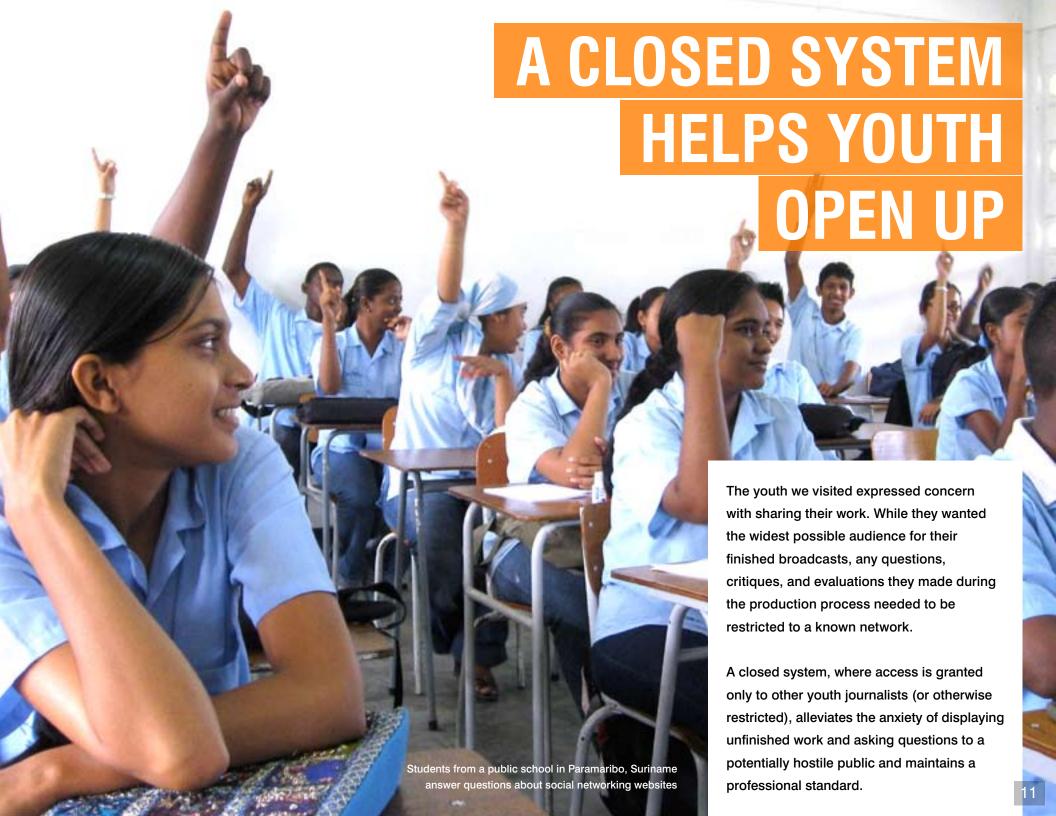
While Internet access is isolated to certain areas and socioeconomic groups, mobile phones are available to nearly everyone in our regions of study.

Lo-fi mobile phones can become the ideal conduits for telling stories. By using mobile phones not as Internet browsers but as telephones, we can deliver a story, spoken by an actual journalist, to nearly all youth in developing countries.

Youth can be alerted with a text message on their phone when a new story is published and can choose to listen to an audio version of the story or read a summary through SMS messages. See the apendix for more on phones.

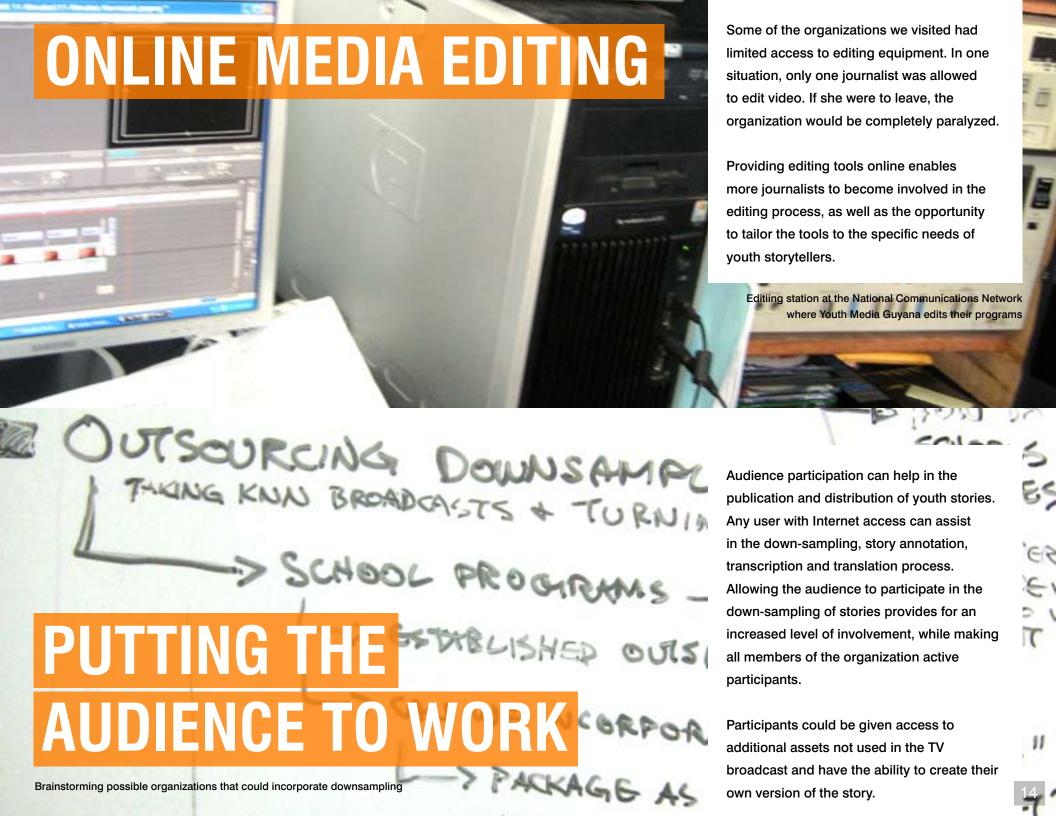


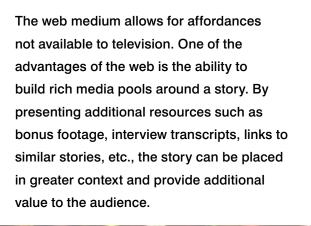










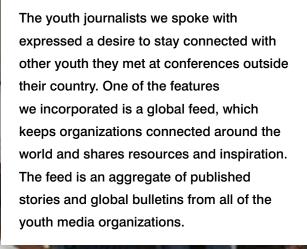


Beadwork in Paramaribo, Suriname

Before any story is filmed, edited, and produced, it must be proposed. One of the advantages of an online tool system is that tasks completed at the end of a story can instead be speculatively performed at the beginning. Journalists are shown what related resources are available in real-time, as they are considering different stories to propose. Journalists can "feel out" a story, by changing the words in the headline, related subject tags, and story summary. These words are searched and related stories, contacts, and resources are displayed.

RICH MEDIA POOLS

eporters for the school newspaper at Arthur A. Hoogendoorn Atheneum, a private high school in Paramaribo.



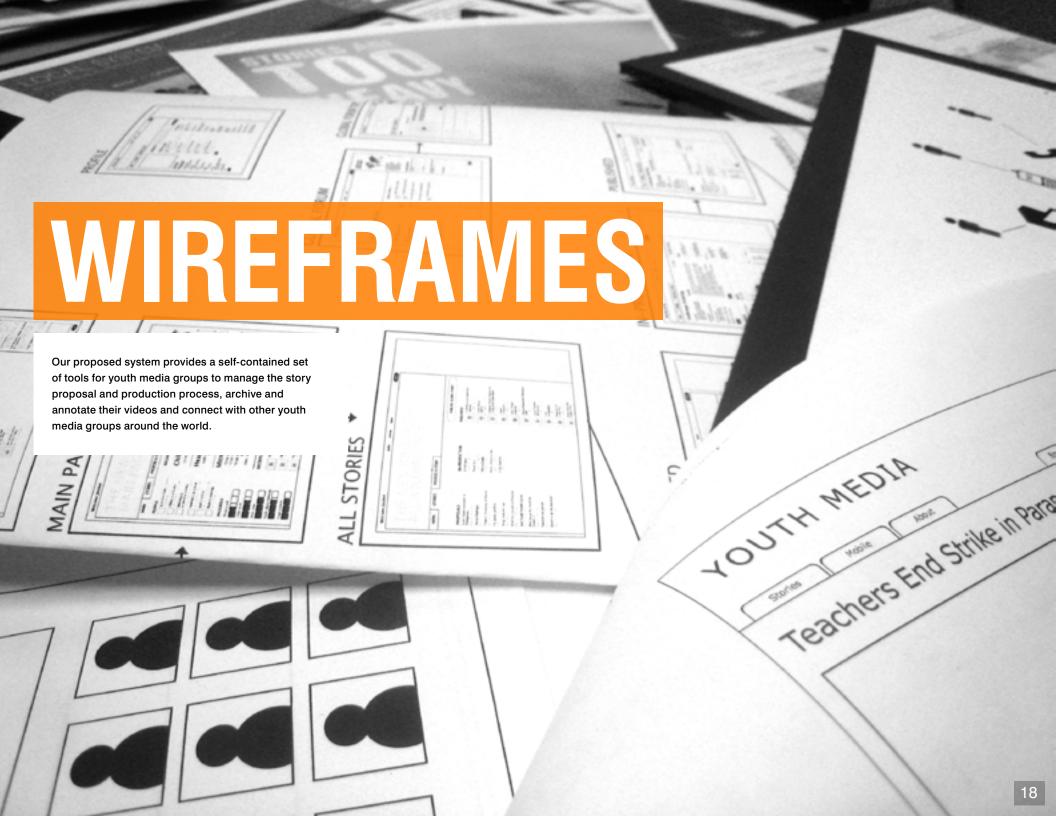
GLOBAL YOUTH FORUMS

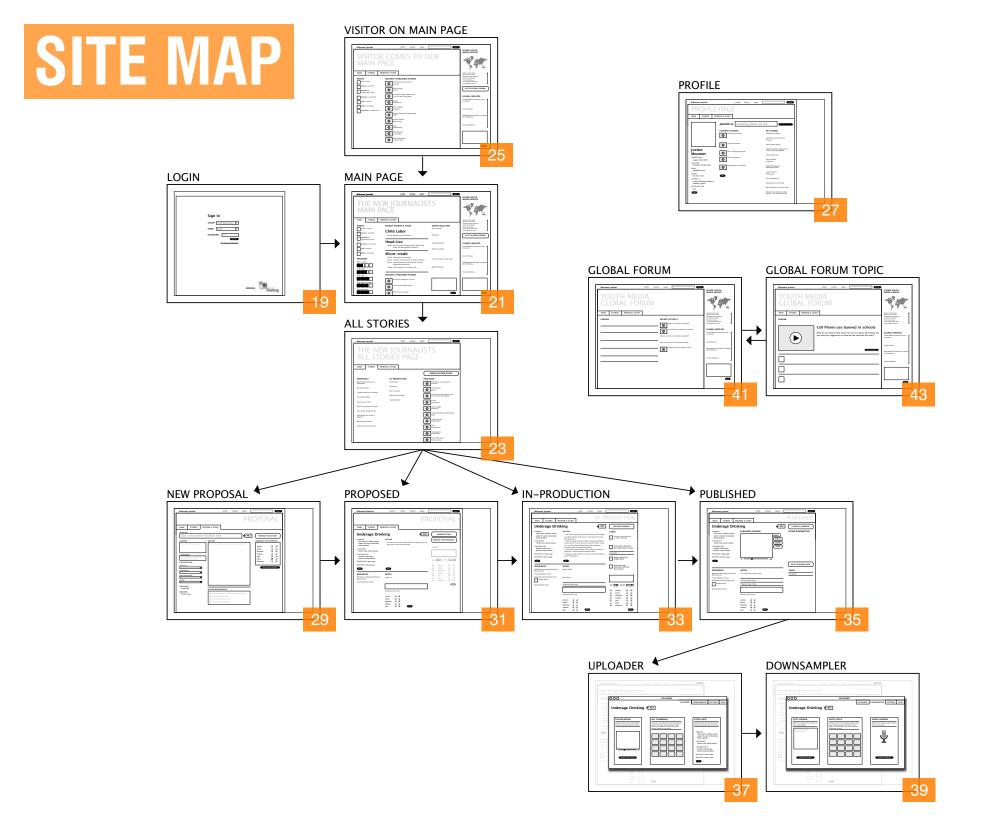
Gathering to discuss the topic of "Life and Death" at a local youth's parent's home in Georgetown

We designed a system to provide all youth, not just journalists, with a forum to tell stories. In the Personal Broadcast, youth members can contribute their own narratives (or Twitter-like status updates). These narratives join the comments they have made on stories in the web system. Personal broadcasts become information streams in addition to the youth media organization's stories and are displayed on a youth's profile page. Youth members can subscribe to each another's Personal Broadcasts to keep up with their friends' stories.

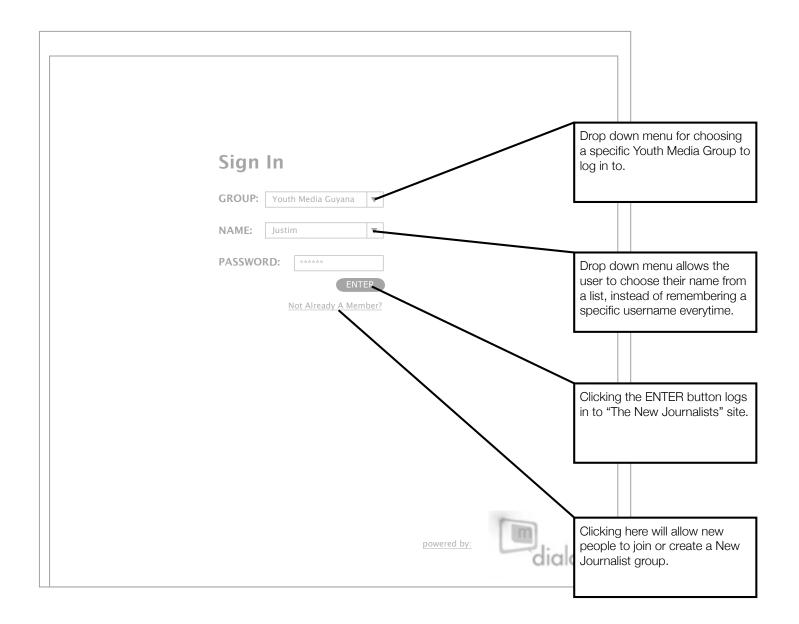






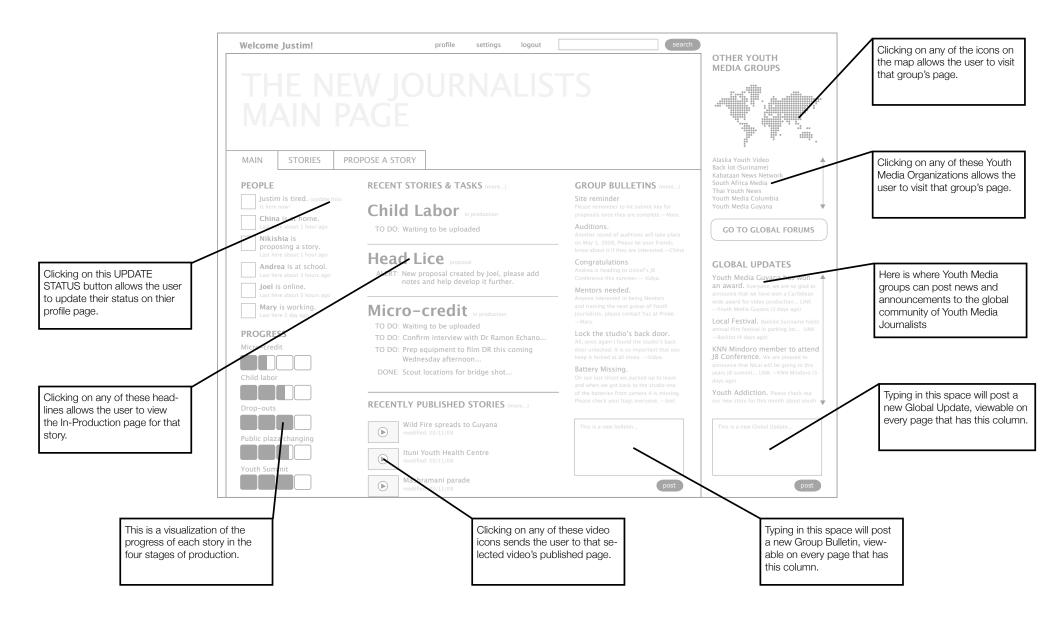






Welcome Justim!	profile settings logout	search	
THE NE MAIN P	W JOURNALIS' AGE	TS	OTHER YOUTH MEDIA GROUPS
MAIN STORIES PR	ROPOSE A STORY		Alaska Youth Video Back lot (Suriname)
PEOPLE Justim is tired. (update this) Is here now!	RECENT STORIES & TASKS (more) Child Labor in production	GROUP BULLETINS (more) Site reminder Please remember to hit submit key for	Kabataan News Network South Africa Media Thai Youth News Youth Media Columbia Youth Media Guyana ♥
China is at home. Last here about 1 hour ago Nikishia is proposing a story.	TO DO: Waiting to be uploaded	proposals once they are complete.—Mary. Auditions. Another round of auditions will take place on May 1, 2008, Please let your friends	GO TO GLOBAL FORUMS
Last here about 1 hour ago Andrea is at school. Last here about 3 hours ago Joel is online. Last here about 5 hours ago	Head Lice proposal ALERT: New proposal created by Joel, please add notes and help develop it further.	know about it if they are interested.—China Congratulations. Andrea is heading to Unicef's J8 Conference this summer.— Vidya. Mentors needed.	GLOBAL UPDATES Youth Media Guyana has won an award. Everyone, we are so glad to announce that we have won a Caribbean
Mary is working. Last here 3 day ago PROGRESS	Micro-credit in production TO DO: Waiting to be uploaded TO DO: Confirm interview with Dr Ramon Echano	Anyone interested in being Mentors and training the next group of Youth Journalists, please contact Yaz at Probe. —Mary. Lock the studio's back door. All, once again I found the studio's back	wide award for video production LINK Youth Media Guyana (3 days ago) Local Festival. Backlot Suriname holds annual film festival in parking lot LINK Backlot (4 days ago)
Micro-credit Child labor	TO DO: Prep equipment to film DR this coming Wednesday afternoon DONE: Scout locations for bridge shot	door unlocked. It is so important that you keep it locked at all times. —Vidya. Battery Missing. On our last shoot we packed up to leave and when we got back to the studio one	KNN Mindoro member to attend J8 Conference. We are pleased to announce that Nicai will be going to this years J8 summit LINK —KNN Mindoro (5 days ago)
Drop-outs	RECENTLY PUBLISHED STORIES (more)	of the batteries from camera 4 is missing. Please check your bags everyone. —Joel.	Youth Addiction. Please check out our new story for this month about youth
Public plaza changing Youth Summit	Wild Fire spreads to Guyana modified: 03/11/08 Ituni Youth Health Centre modified: 03/11/08	This is a new bulletin	This is a new Global Update
	Mashramani parade modified: 03/11/08	post	post

MAIN PAGE



Welcome Justim!	profile	settings logout	search
THE NI ALL ST	EW JOURI ORIES PA	NALIS AGE	TS
MAIN STORIES	PROPOSE A STORY		
			PUBLISH OLDER STORY
PROPOSALS	IN-PRODUCTION	PUB	LISHED
Brain Drain continues in Philippines. modified: 03/11/08 Nurse Shortage. modified: 03/11/08 Theater Advocacy in Davao. modified: 03/11/08 On going conflict. modified: 03/11/08 Drop-outs on rise. modified: 03/11/08 Wild Fire spreads to Guyana modified: 03/11/08 Ituni Youth Health Centre modified: 03/11/08 Workshops for Youth in Region 2 modified: 03/11/08 Mashramani parade modified: 03/11/08	Child Labor modified: 03/11/08 Head Lice. modified: 03/11/08 Micro-Credit. modified: 03/11/08 Public Plaza Curfew. modified: 03/11/08 Youth Summit. modified: 03/11/08		modified: 03/11/08 Inter-House Sports modified: 03/11/08 Students Protest Against the Crisis of No Clean Water modified: 03/11/08 Youth Parliament modified: 03/11/08 Inter-Village program modified: 03/11/08 Digital Playground Workshops Held modified: 03/11/08 Youth Theatre
Cleaning up the Sea wall modified: 03/11/08		(E)	modified: 03/11/08 Hanging Out at the Mall modified: 03/11/08 Moral Education

ALL STORIES

Welcome Justim! profile settings logout Clicking on any of these headlines allows the user to view the In-Production page for that story. Clicking here launches the Uploader where users can add MAIN STORIES PROPOSE A STORY older previously published stories into the system. PUBLISH OLDER STORY **PROPOSALS** IN-PRODUCTION **PUBLISHED** Brain Drain continues in Child Labor Cell Phone use banned in Philippines. Head Lice. Nurse Shortage. Inter-House Sports Micro-Credit. Theater Advocacy in Davao. Students Protest Against the Public Plaza Curfew. On going conflict. Drop-outs on rise. Wild Fire spreads to Guyana Inter-Village program Ituni Youth Health Centre Digital Playground Workshops Workshops for Youth in Clicking on any of these pub-Region 2 lished story headlines sends the Workshops Mash nani parade user to the Published page for that story. eaning up the Sea wall Empowered Hanging Out at the Mall Moral Education

Clicking on any of these proposed story headlines sends the user to the Proposal page for that story.

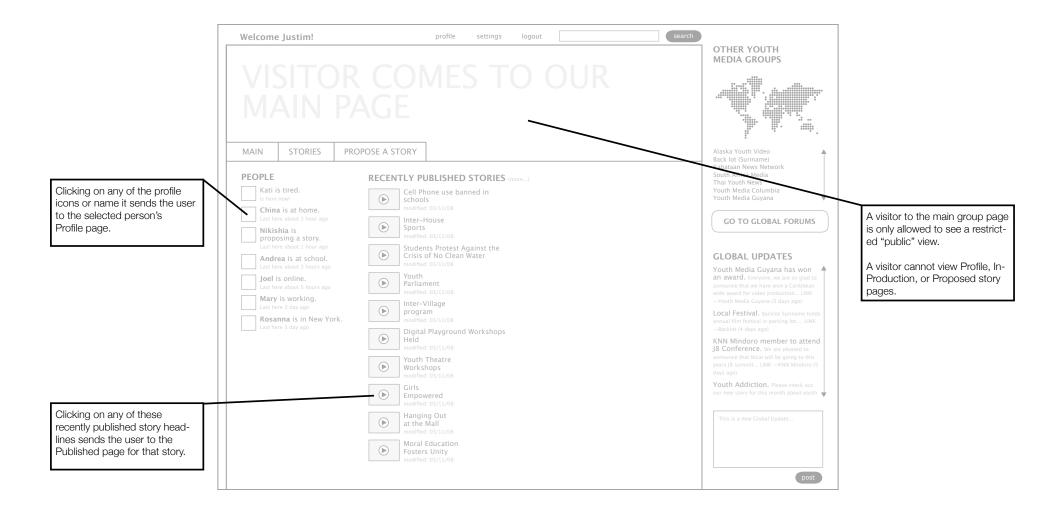
MAIN PAGE

FOR VISITORS

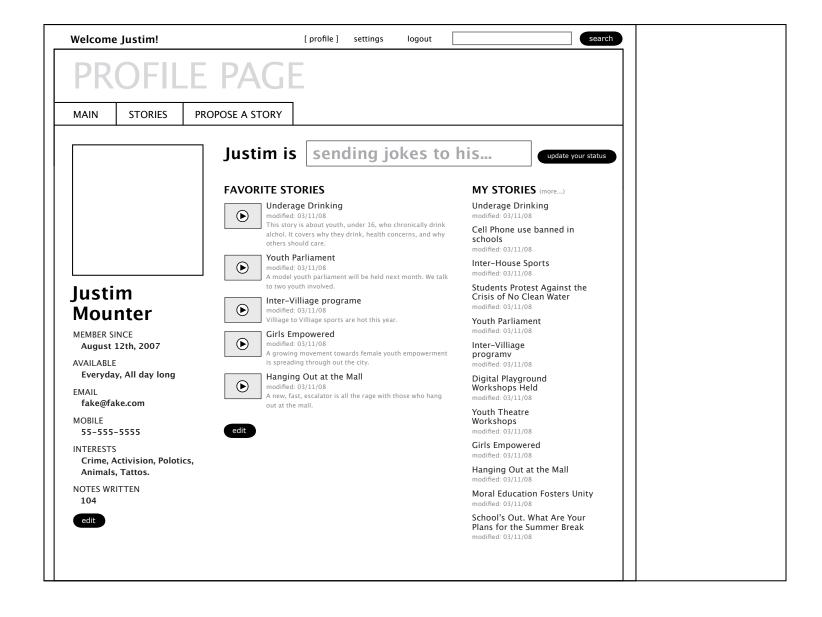
VISITOR COMES TO OUR MAIN PAGE	
MAIN STORIES PROPOSE A STORY Alaska Youth Video Back lot (Suriname)	†
PEOPLE Kati is tired. South Africa Media Sou	FORUMS ES has won re so glad to a Caribbean attion LINK ys ago) uriname holds gl ot LINK er to attend oleased to poing to this IN Mindoro (5 e check out a about youth

MAIN PAGE

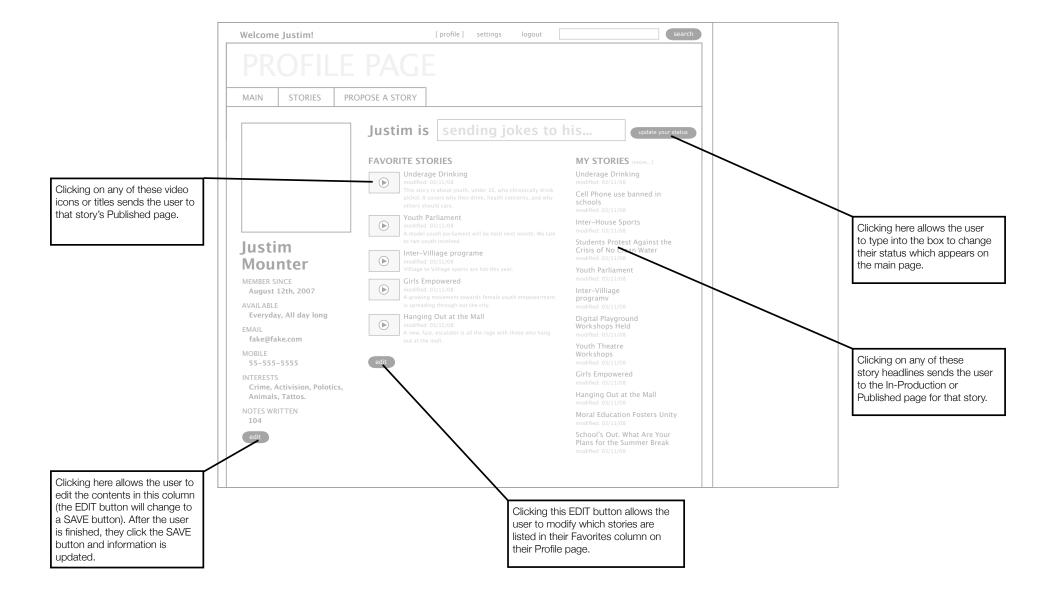
FOR VISITORS



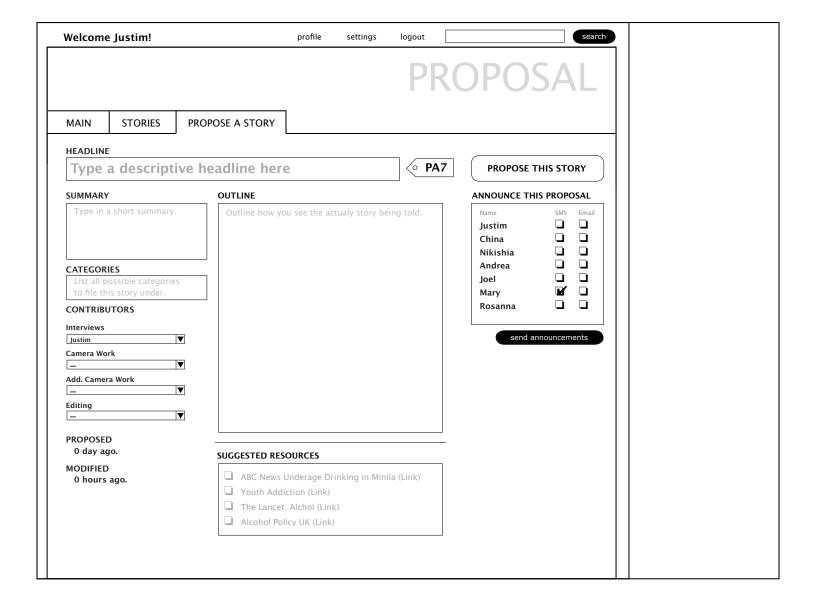
PROFILE PAGE



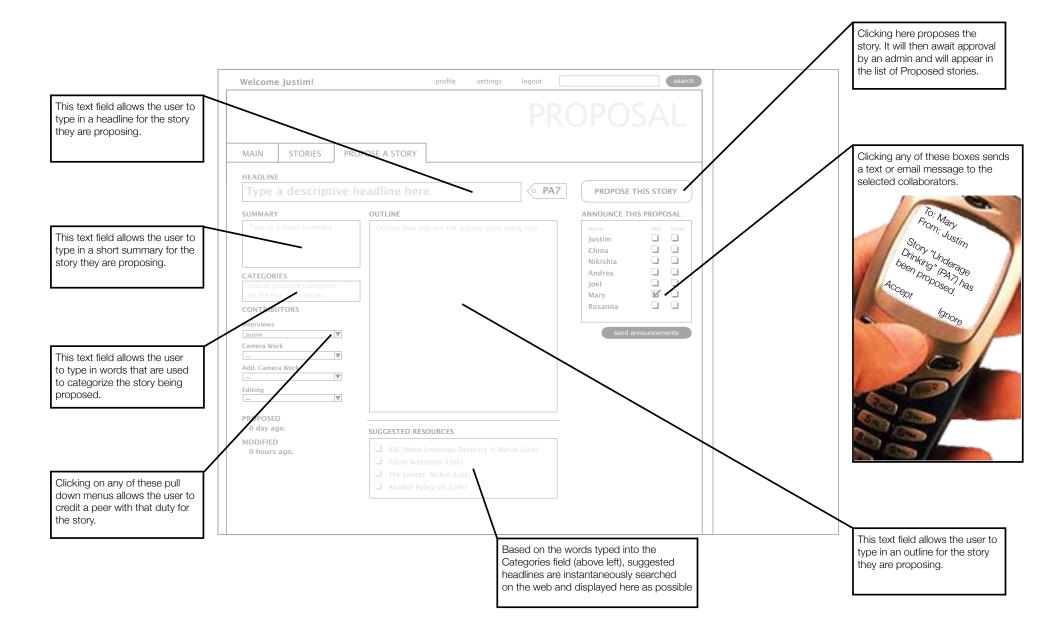
PROFILE PAGE



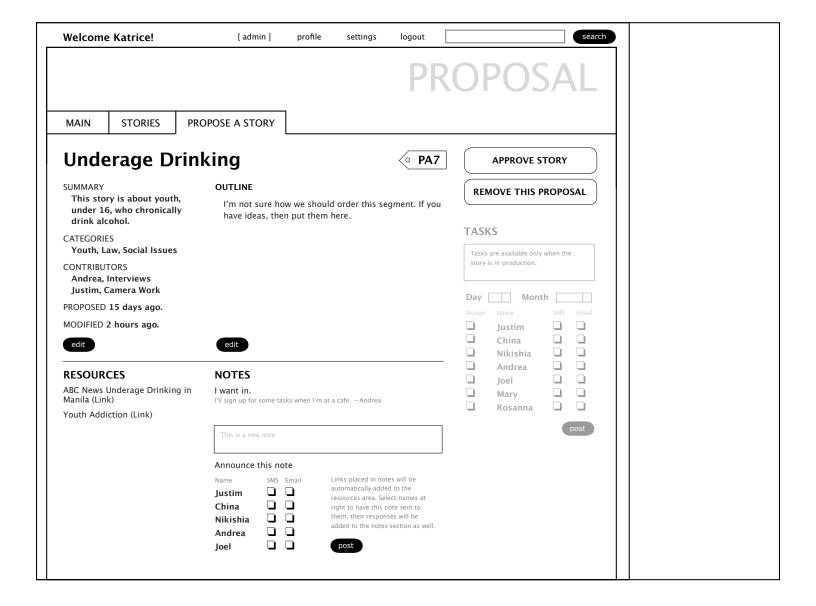
PROPOSING A STORY



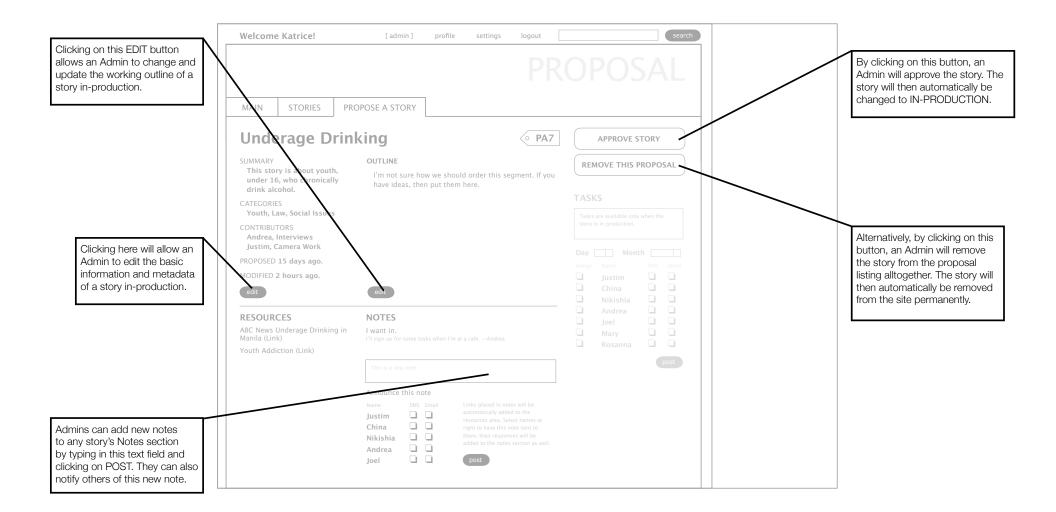
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PROPOSED STORY



PROPOSED STORY



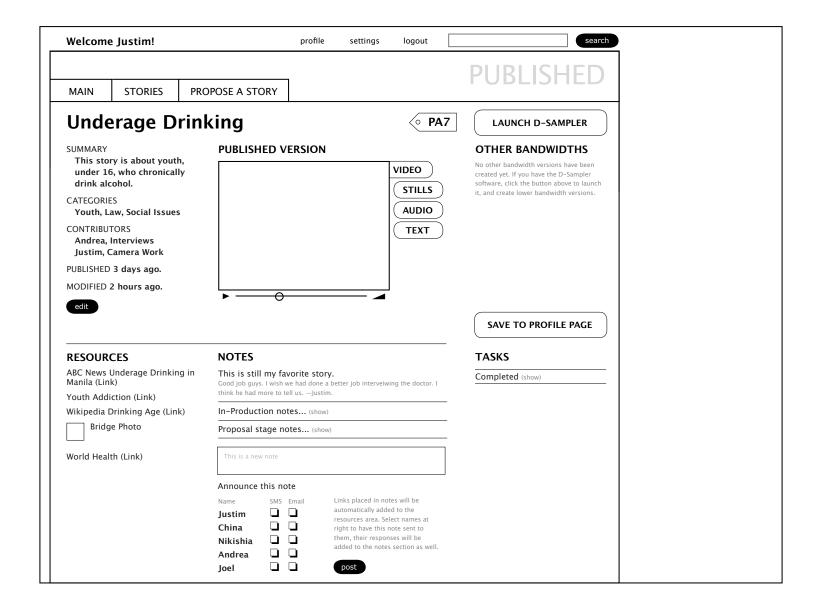
STORY IN-PRODUCTION

Welcome Justim!		profile settings	logout	search
MAIN STORIES	PROPOSE A STORY		IN-P	RODUCTION
Underage D	rinking			UPLOAD & PUBLISH
SUMMARY This story is about yout under 16, who chronical drink alcohol. CATEGORIES Youth, Law, Social Issue: CONTRIBUTORS Andrea, Interviews Justim, Camera Work PROPOSED 15 days ago. MODIFIED 2 hours ago.	In the snow a gro in public. We hea why they like it. 2. More footage of knows that it is n over of one of the troubles? Show h 3. Interview with politician. I think 4. Wrap up with r	1. We show a group of youths squatting and drinking in public. We hear them discuss why they drink and why they like it. 2. More footage of other youths so that the audience knows that it is more than just those first kids. Voice over of one of them talking about their families? troubles? Show how they buy drinks? 3. Interview with an offical. This could be a doctor or politician. I think A doctor would be best 4. Wrap up with reporter on screen. Closing thoughts, more information. edit NOTES World Health I saw this story on the world health website. If you are working on this story mabye you can read it. http://www.who.int/topics/alcohol_drinking/en/ Part Three. Do we really need to talk to an official? I'm not sure if that is right, what if		TASKS 1 Day Past Due Confirm interview with Dr Ramon Echano. Justim (completed, edit) 2 Days until deadline Prep video equipment for bridge shoot at 2 pm. Andrea (completed, edit) Completed (hide) Finished 3 days ago Scout location for bridge shots. Joel (completed, edit)
RESOURCES ABC News Underage Drinkir Manila (Link) Youth Addiction (Link) Wikipedia Drinking Age (Lin Bridge Photo	world Health I saw this story on the wo mabye you can read it. http://www.who.int/topic k) Part Three.			Finished 5 days ago Write interview questions and have them edited. Andrea and China (completed, edit) This is a new task
World Health (Link)	Proposal stage note This is a new note Announce this note Name SMS En Justim China China Nikishia China Andrea Joel China	es (show) e mail Links placed in 1 automatically a resources area. right to have thi them, their resp added to the no	dded to the Select names at is note sent to	Day

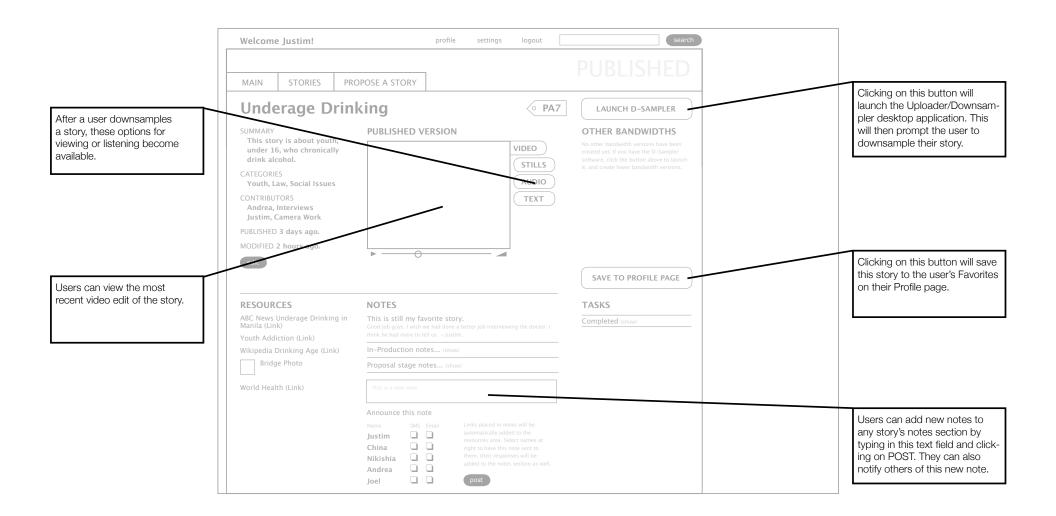
STORY IN-PRODUCTION

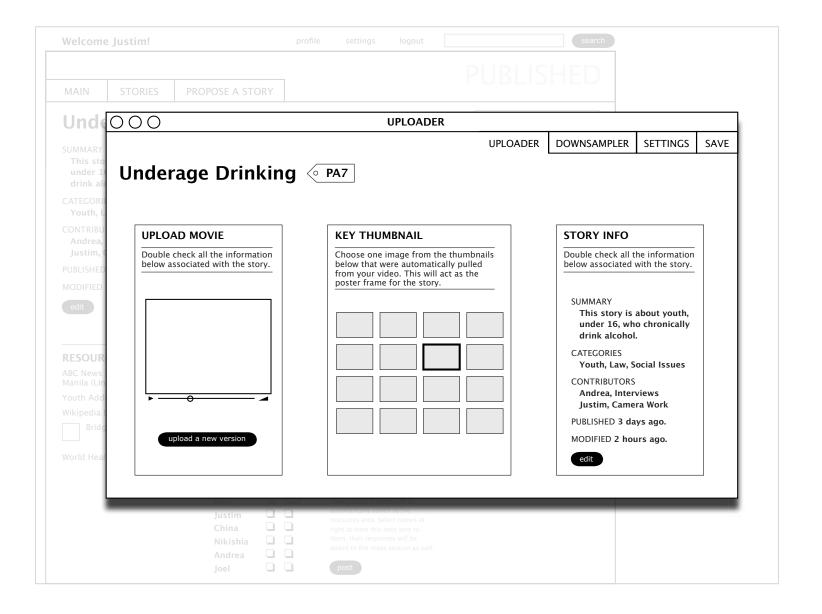
	Welcome Justim! profile settings logout search	
	MAIN STORIES PROPOSE A STORY	
Clicking on this EDIT button allows a user to change and update the working outline of a story in-production.	Underage Drinking OUTLINE 1. We show a group of youths squatting and drinking in public. We hear them discuss why they drink and why they like it. 2. More footage of other youths so that the audience knows that it is more than just those first kids. Voice over of one of them talking about their families? Troubles? Show how they buy drinks? 3. Interview with an offical. This could be a doctor or politician. I think A doctor would be best 4. Wrap up with reporter on screen. Closing thoughts, more information. DIASKS 1. Day Past Due Confirm interview with Dr Ramon Echano. Justim (completed, edge over of one of them talking about their families? troubles? Show how they buy drinks? 3. Interview with an offical. This could be a doctor or politician. I think A doctor would be best 4. Wrap up with reporter on screen. Closing thoughts, more information. Edit Day Past Due Confirm interview with Dr Ramon Echano. Justim (completed, edge of the preparation). Completed (hide) Fimished 3 days ago Scout location for bridge shots. Joel completed, edit)	Clicking on a specific task allows the user to edit the text or status of a task.
	RESOURCES ABC News Underage Drinking in Manila (Link) Youth Addiction (Link) Wikipedia Drinking Age (Link) Bridge Photo Write interview questions and have them edited. Andrea and China (completed, edit) This is a new task Finished 5 days ago Write interview questions and have them edited. Andrea and China (completed, edit) This is a new task	Users can add new tasks to any story's Task section by typing in this text field and clicking on POST.
	World Health (Link) Proposal stage notes (show) Day Month Assign Name SMS Email Justim J China	
Clicking on any links under the Resources column will launch a new window linked to other resources relevent to the story.	Announce this note Name SMS Email Links placed in notes will be automatically added to the resources area. Select names at Joel China Injection of the member of the memb	Users can also assign and notify others of this new task.

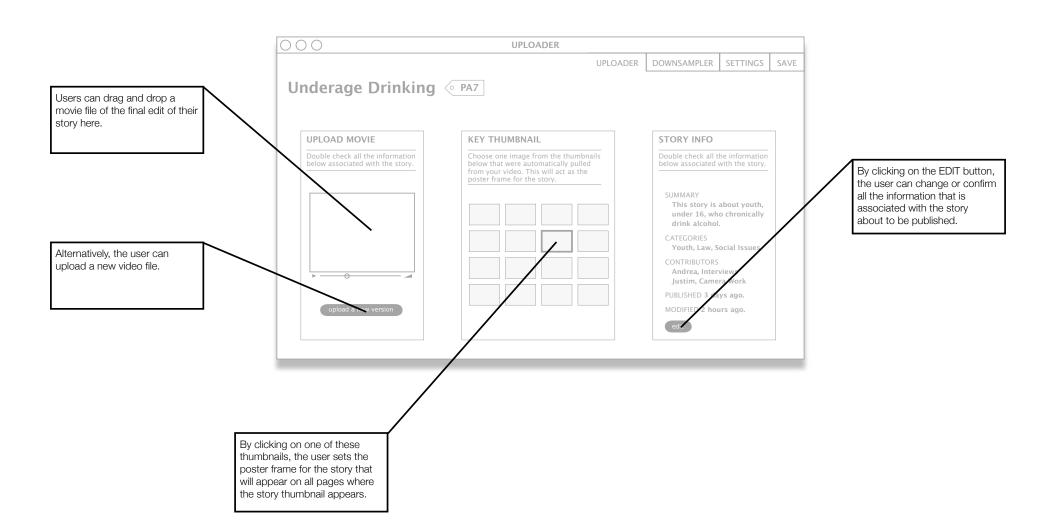
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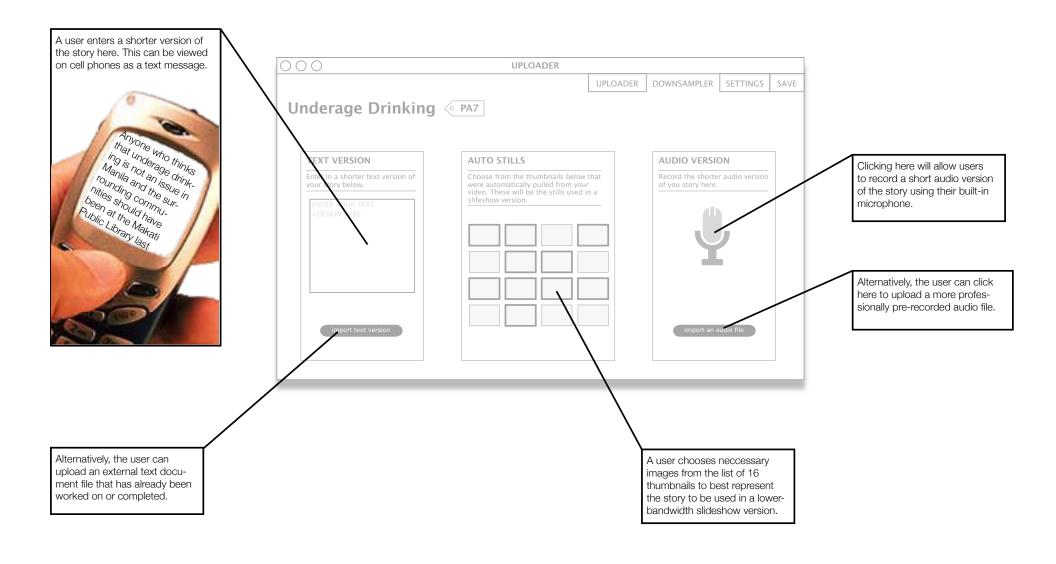
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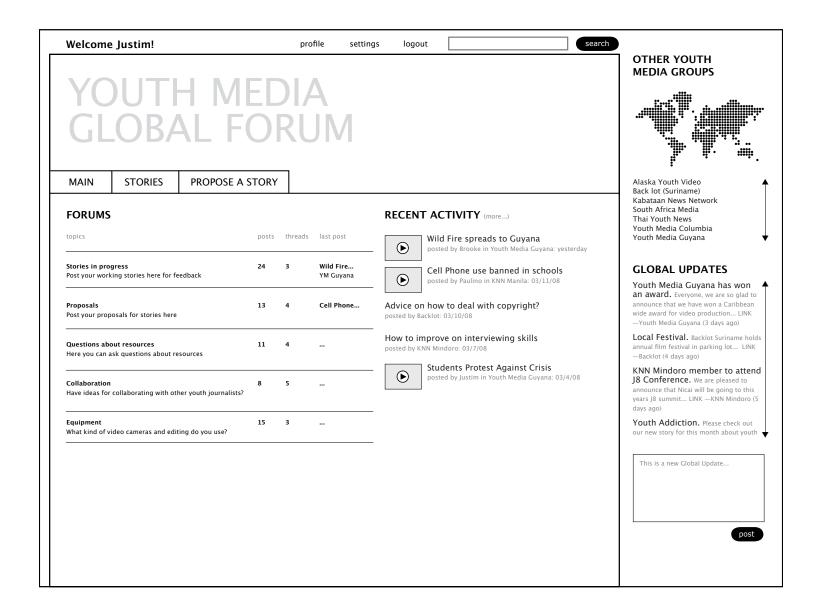


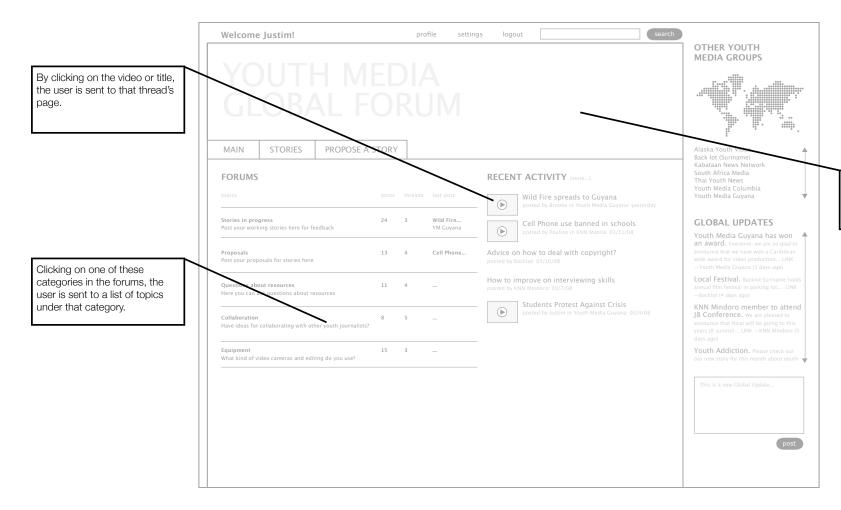








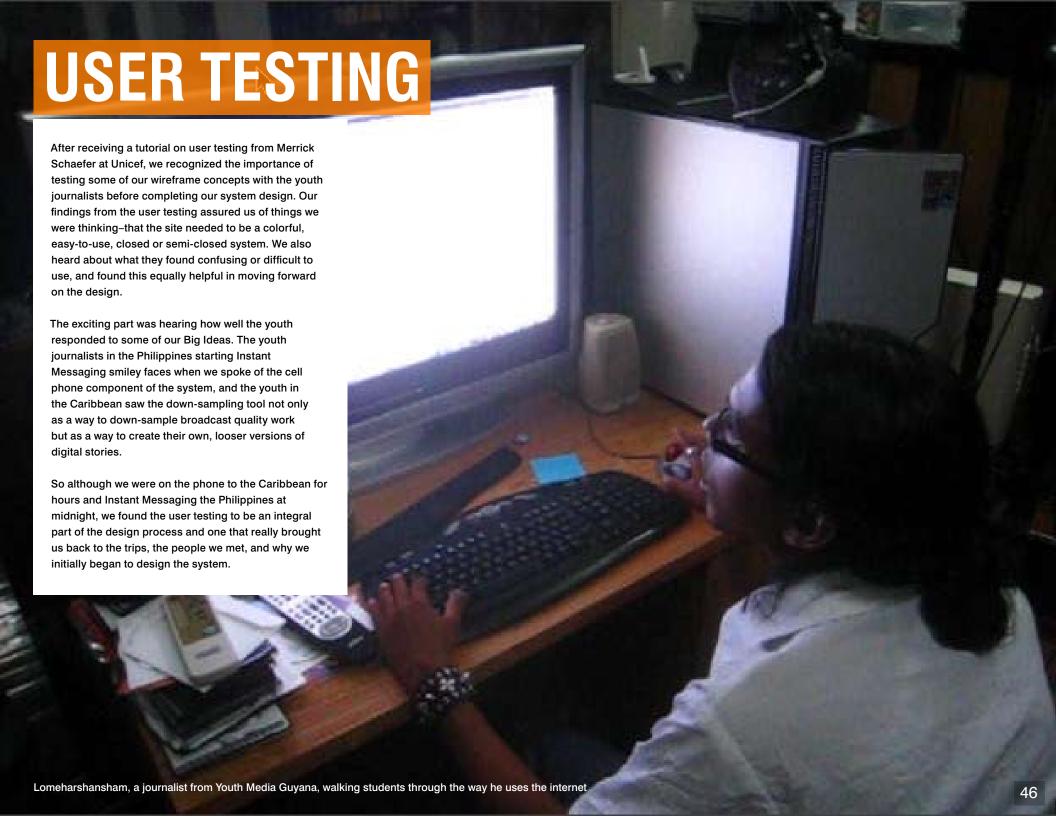




In the global forum, users can link to their stories in-production and ask for feedback from other youth journalists.



Welcome Justim! profile settings Play the video associated with OTHER YOUTH this thread. **MEDIA GROUPS** MAI STORIES PROPOSE A STORY Alaska Youth Video Back lot (Suriname) Kabataan News Network FORUM Thai Youth News Youth Media Columbia Cell Phone use banned in schools GLOBAL UPDATES What do you think of this story? I'm not sure about the ending. Do you have any suggestions on how we can conclude this story? Youth Media Guyana has won an award. Everyone, we are so glad to KNN Mindoro member to attend J8 Conference. We are pleased to Youth Addiction. Please check out Allows for users signed in to post a comment regarding this thread and/or video.



USER TESTING

Main Page

Every tester commented on the look of the site, they felt it was too professional, Nicai said "...the site is more applicable if I wants to know or connect to the people I met on the conference on a professional level because if ever I was going to post something here, I will make sure that it's somewhat formal because it's like, other people, more specifically those doing research are going to check it out."

They all suggested the site have bright colors, others felt adding pictures would be fun. When asked if they would be open to having a customized skin for each youth media group's page they all agreed this idea was good.

The youth media journalist from the Philippians felt the global portion of this page should have colors that are very carefully selected, sense it represents the global youth community.

Andrea and Lam both liked the idea of group bulletins, Andrea explained that often times they can not all meet in one place for a meeting, this was an easy way for them to connect if someone was not able to attend. Lam Felt the number of pop up should be limited, meaning he didn't want to have to go to stories, to get to the "propose a story" page, he wanted instead to have a button, otherwise the navigation of the site is to complicated.

The two people from the Caribbean really liked the global portion of this site. They liked being able to connect with other youth media groups. They wanted to know what part of their page would be seen, (This also came up for the profile page).

The youth media group in the Philippians wanted to know about a group forum or dialogue between their group and other groups. They wanted to have the option to comment on other stories, and have other youth journalists comment on their stories. (We addressed this by adding a global forum to this portion of the page.)

Profile Page

The youth journalists in the Caribbean felt this was straightforward.

They had a problem with the editing option, both felt there should not be a "pop" up to this part. They both referenced the Face book editing tools as something that would be ideal for this site.

They were concerned about someone from another youth journalists seeing all their information. Again privacy was an issue. Conversely, the group in the Philippines felt if others were open they would be open the sharing information.

The youth journalist in the Caribbean wanted to see more features on this page, they suggested adding country, age, sex, links to other networking site, pod casting and video uploading, I think they though this would make it feel more youthful.

USER TESTING

Stories page/Propose

On the stories page two people found the Publish older story button confusing they didn't know if something was waiting to be published, the other two had no problem understanding that you could upload older sorties.

The Caribbean group thought the summery (that is under the header) could be added to like a wiki. They also thought the outline was the actual part text portion of the story, because it was so big.

They were also confused about how to read the possible resource links (did it send you to the site by clicking on it) in addition they worried it won't be filtered enough. They assumed they would get every article for "drinking".

They real liked the idea that you would have immediate access to some resources on the story.

The group in the Philippians felt the contributors pull down scroll was great, they could keep track of who worked on what story, Andrea said "often times you forget who helped on what." She also thought it was good for keeping track of stories you worked on.

Andrea liked that you could get texts about stories but felt that she might start to receive to many texts proposal stories texts and wondered if there was a filter or receiving option so she could monitor the incoming stories.

She really responded positively to this page she felt that this would in some way copy right her story and keep others from plagiarizing her ideas, or to keep from repeats on stories.

Both teams didn't get the number tag to the left of the header, but I feel with a better introduction this tag, it will easy to understand this as identifier for the phone tool and he internet to communicate with one another. The Caribbean team thought "Using the tag to connect to cell phones was very good for the Philippians, because they use more phones than laptops."

They thought it was great that you could get a summery and headline in text form on in their cell phone from the website, because it would encourage better summaries. They wanted to get text comments from recipients on new summaries.

Phone

The group in the Caribbean really responded positively to the phone. They liked that anyone could subscribe to any news group's news to get a text summary (either through text or voice). The fact that the service is free is great.

For those who wanted to listen to the stories they should have a language option because slang varies from region to region.

The group in the Caribbean explained there is telephone system similar to the cell phone idea in the Caribbean they actually get quotes and send prayers. This system seemed to work well with this culture.

Down sampling

Andrea liked the down sampling options, as someone who edits; she felt the tools where simple.

She didn't know what the (+) icon meant, but after a few seconds could deduce it was to add video.

She was unfamiliar with the term down sampling, but she felt like this was an easy enough concept that she could adopt the term.

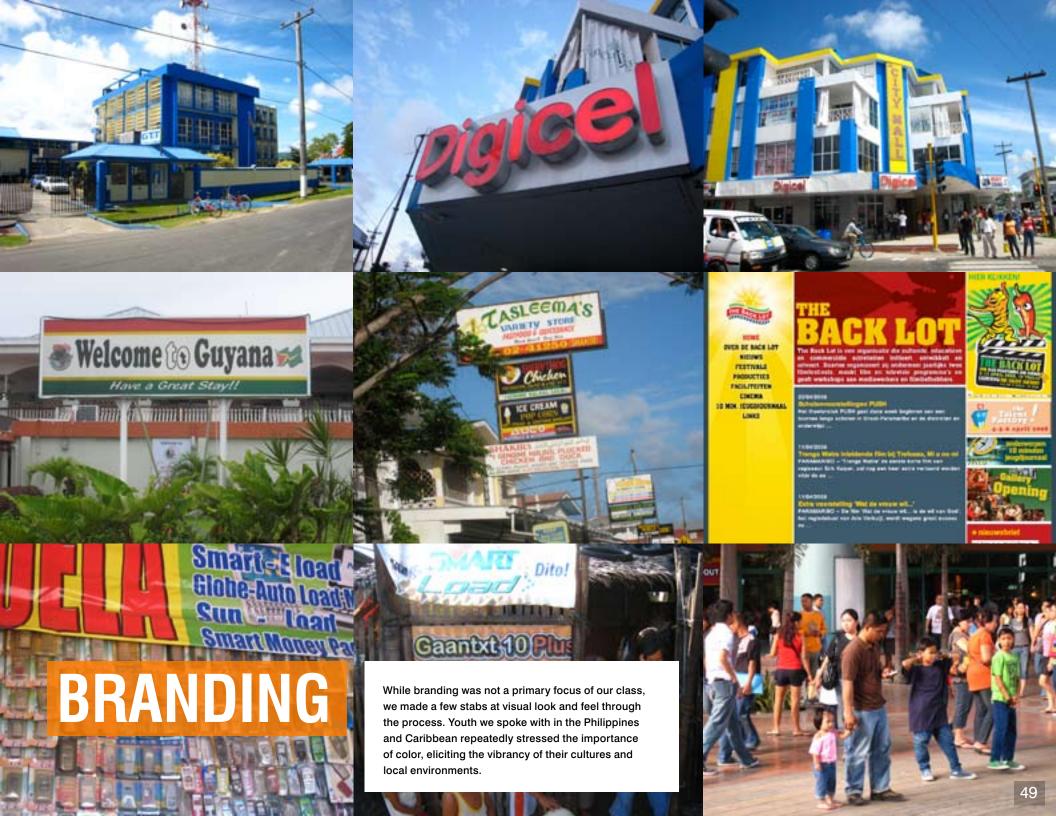
This offline editing tool was very user friendly.

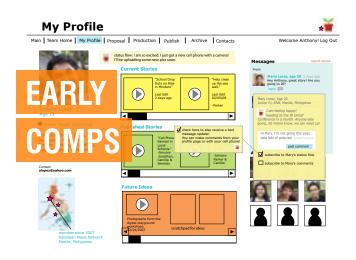
She liked the ides that you could upload audio. Andrea said, "This could be a new way of editing stories, shorter all in one place."

The Caribbean thought this was a way of viewing a story in various formats. They were really excited about down sampling, because it was a way to get their story out to more people.

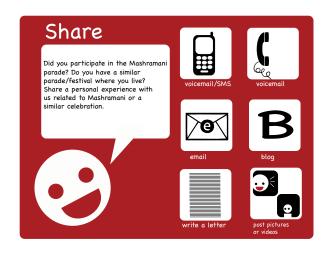
Naming

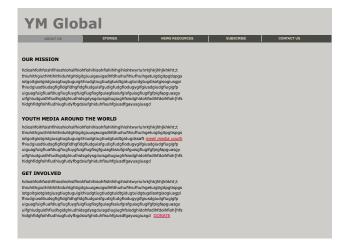
When asked how they felt about the new name "The New Journalists" they all agreed that the name represented the content of the stories and their audience, and that idea has powerful meaning.

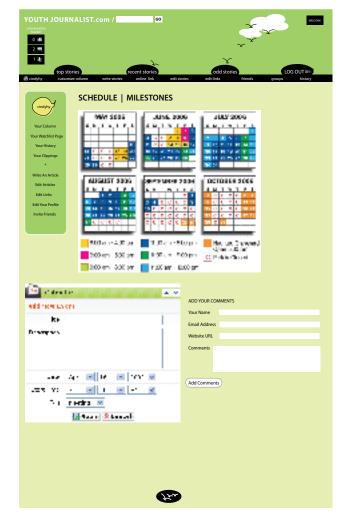


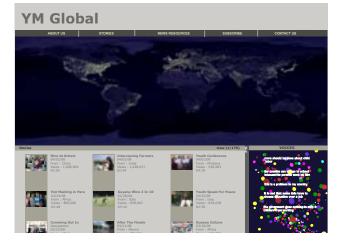


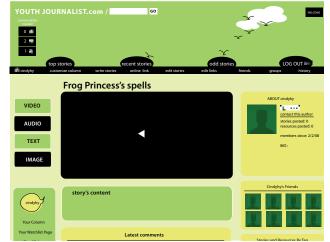
















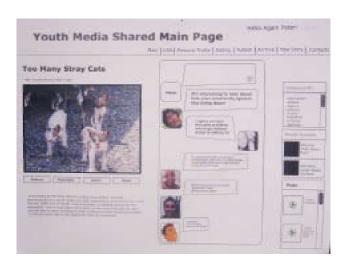








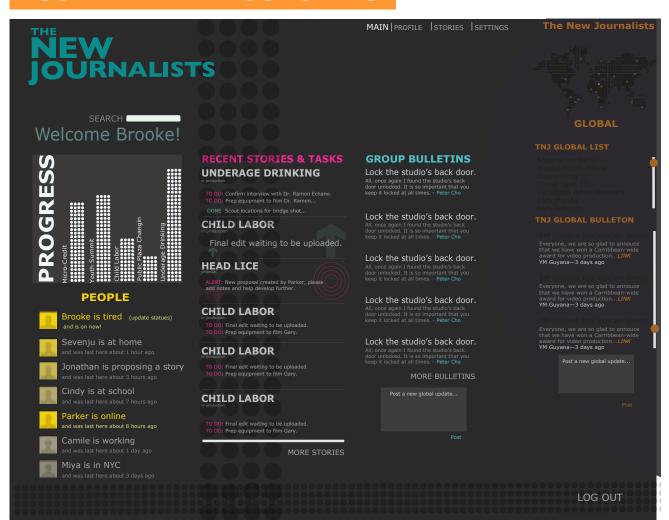


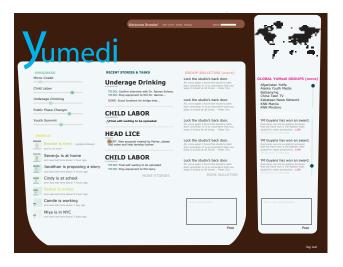






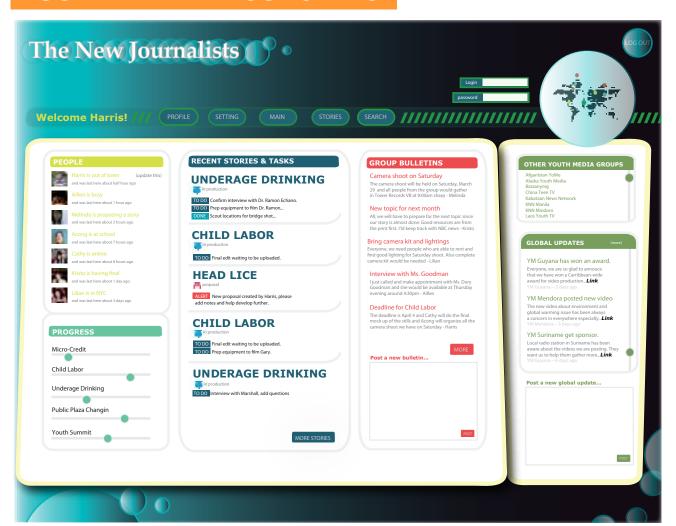
LOOK AND FEEL CONCEPTS

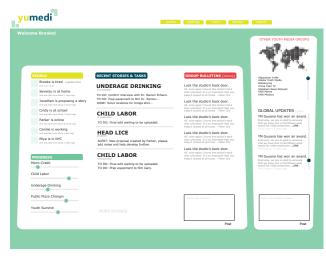


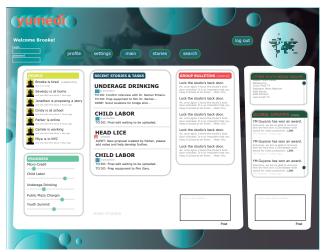




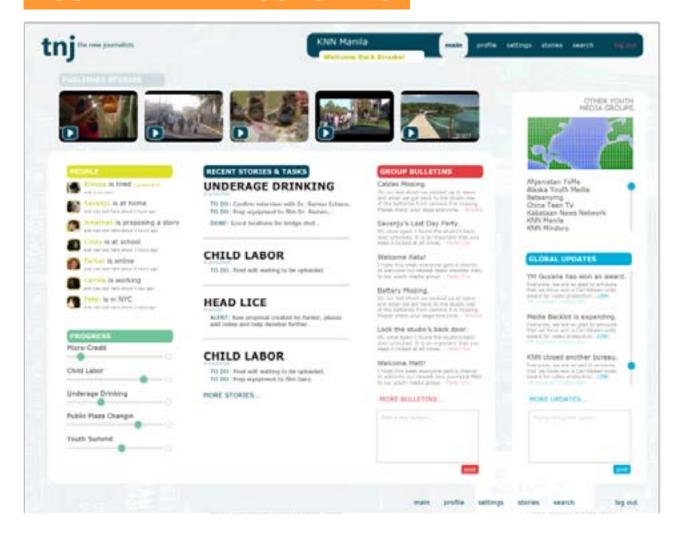
LOOK AND FEEL CONCEPTS

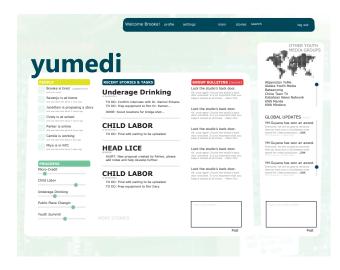


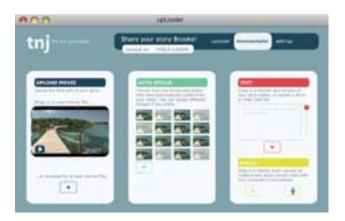




LOOK AND FEEL CONCEPTS

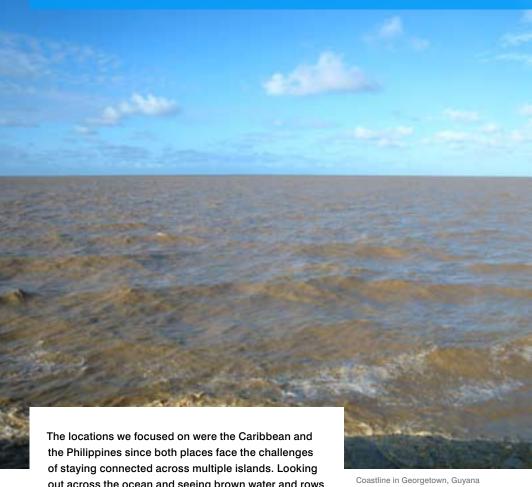








ON THE GROUND IN THE CARIBBEAN AND PHILIPPINES



the Philippines since both places face the challenges of staying connected across multiple islands. Looking out across the ocean and seeing brown water and rows of shacks reminded us that we were in a developing nation, although the tropical climates were a welcome change. In the Philippines, we were able to visit the big city of Manila as well as Mindoro, a rural province. In the Caribbean, we traveled to Guyana and Suriname.

Beach village in Mindoro, Philippines

SEARCHING FOR



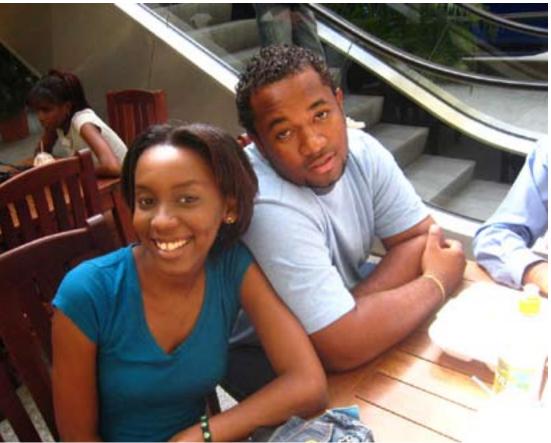
Marketplace in Mindoro



Youth media journalists Lomeharshansham and Andrea with illustration student Brooke Reidt in downtown Georgetown

market, but our guide kept taking us to malls. One mall was even was called Market Market. We noticed there were few outdoor markets and no parks for gathering. In contrast, Guyana had only one mall and a popular hang out was a wall near the beach. One of the youth journalists from rural Mindoro observed that although she sometimes feels jealous of the technology and "stuff" kids have in Manila, she knows that they have fresh air, no traffic, a beautiful beach and gardens with fresh vegetables, so she feels like the quality of life is better. She also said she feels lucky to be where she is because she is a youth journalist and can voice her opinions.

FINDING MALLS



Andrea and Justim, journalists from Youth Media Guyana



Mega-mall in Manilla

you were not texting your friends from school you were meeting with them at the mall, where everyone, young and old, gathers to eat, shop, play games and go to movies. In the Caribbean there was only one mall in Georgetown, Guyana, and when the mall opened each day, people would take turns riding up and down the escalators. Instead of malls, people hung out at "The Wall" a gathering place along the beach. In this way, social life differed between the two regions.

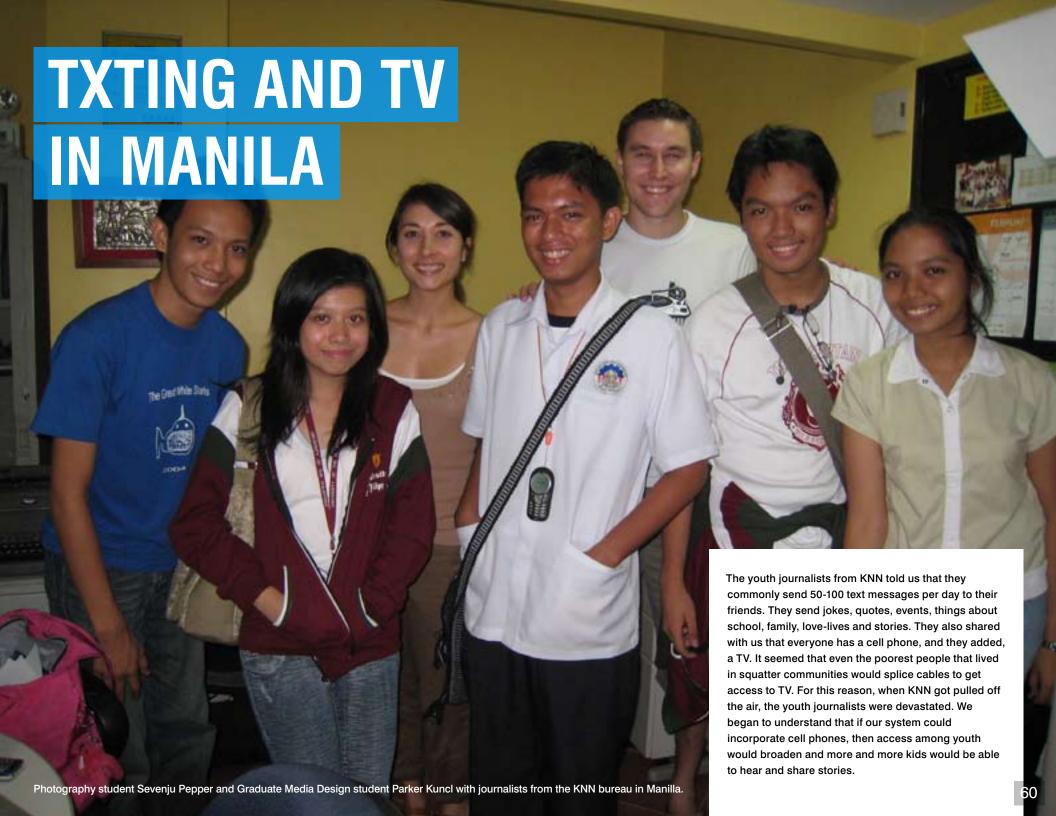
CELLPHONES EVERYWHERE



the amount of cell phone users. Everyone seemed to be texting on their cell phones constantly. Cell phones were cheap and prevalent in both regions and by far the most popular way of staying connected. Rows of cell phone stores stacked one after another lined the malls in the Philippines. In the Caribbean mall, a contest raffled off a car painted blue to match the cell phone providers blue branding. Competition between the red phone company and the blue one was fierce in de-regulated Guyana. Cell phones were everywhere and everyone seemed to have access to them.



Winner of a contest sponsored by Guyana Telecom



TXTING VS CALLING



calls. Much of this is based on finances - voice calls in the Philippines are very expensive, in the Caribbean they are much more affordable. Also, many Filipinos we interviewed said they were shy and it was easier to text than to call and speak with someone. They also liked that they could SMS icons to show emotions. In contrast, the Caribbean youth were very outgoing. Later when we held a user test in the Caribbean, it was done on speakerphone, whereas in the Philippines they requested Instant Messenger and found speaking on the phone difficult because they didn't have speakerphone options.



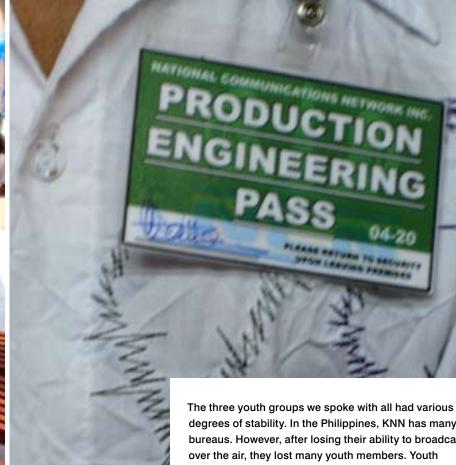


Phone card bought by student's taxi driver while en route to the airport

FRAGILE GROUPS



5 of the 6 journalists from Youth Media Guyana breaking from their full-time jobs to meet in the Georgetown mall



Security pass to enter the National Communications Network facilities in Georgetown

The three youth groups we spoke with all had various degrees of stability. In the Philippines, KNN has many bureaus. However, after losing their ability to broadcast over the air, they lost many youth members. Youth Media Guyana had six self-organizing members, and a tenuous connection to a TV production facility. We saw that there was a need to provide stability and support to the youth groups.

GROUPS

Youth in both regions talked about being more

comfortable in closed groups. They talked about

didn't know. We were told that on some forums in

Guyana, people would email posters—instead of

replying in the forum—to ask them if they could call

forum post. All to avoid asking a question in public.

them on the phone and ask them a question about their

YouTube being too open, that anyone can see it and

worried about privacy and being judged by people you



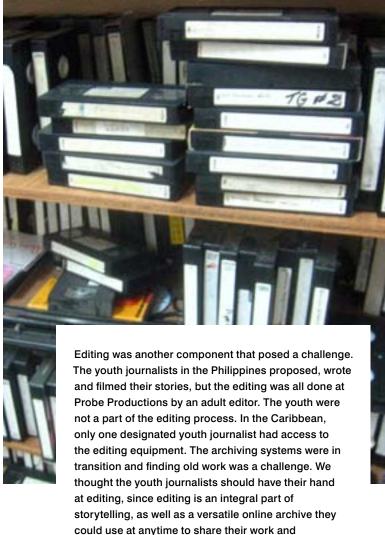
In the Caribbean, youth journalists met in small groups, at people's houses, and in the malls. There was no one place to meet, not even one common office or computer. We realized that to create a system they will want to use, it needs to be private so they can share freely among their group. However, they also expressed a desire to learn from other youth journalist groups around the world, so a semi-private space was also necessary.

Journalists from KNN Manilla bureau remark about their weekly schedule





Editing bay at Probe Media



persist the groups knowledge.

INTERNET **CAFES**



so they only go for school research. It seemed in both regions, although cafes were affordable, it was still difficult for many youth to get daily access. In Guyana several internet cafes we visited had broken machines. In one, only two worked ours and the one being used by a women who sat smiling into a webcam "chatting"

with several men.

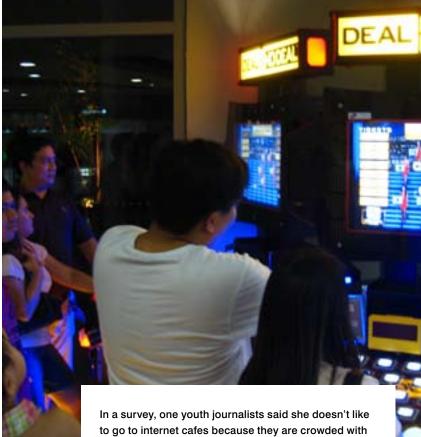
Internet cafe in Georgetown



Kids gaming at an internet cafe in Manilla



Bingo hall in mega-mall in Manilla



In a survey, one youth journalists said she doesn't like to go to internet cafes because they are crowded with kids surfing the web and playing video games. Sure enough, we saw many of the kids in internet cafe's playing online video games. Gaming in general is a big part of Filipino culture: video games, internet games, arcades, anything where you can earn points or win something, particularly popular was Deal or No Deal. In the Caribbean, text message voting on American Idol was popular and the desire for fun and relaxation was extremely prevalent.

CLASS

expensive cellphones, one for each network.

STRUCTURES



Pirated telephone lines in squatters village in Manilla



De La Salle University in Manilla



Coastline in Georgetown

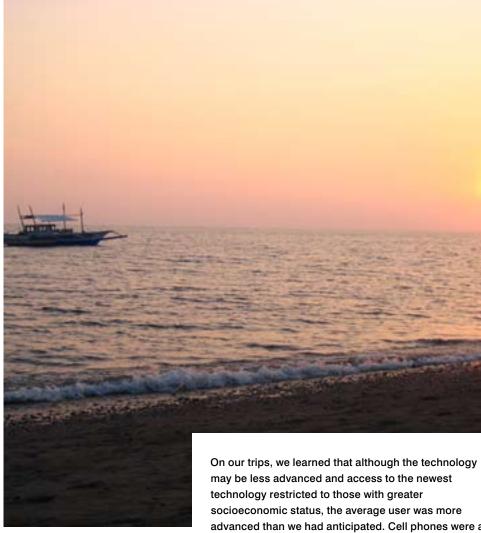


View from a bus in Manilla

Safety was a big issue in both regions. In the Caribbean a massacre had occurred just before we arrived. Because of this safety was an even bigger concern. We were not allowed to walk around without a chaperone, and couldn't even stray too far from designated areas. In the Philippines, our guide and driver offered to wait for us and take us around all day. We thought we should try riding one of the local Jeepneys, shown above, but he thought it was dangerous so the first two days of our trip was seen primarily from a car. The youth there would not answer their phones on the bus for fear that someone would snatch it out of their hands and run away with it. Just another thing that reminded us we were in a different country. We began to see why so many Filipinos spend their time in air-conditioned Mega Malls as the traffic, smog and heat began to get to us.

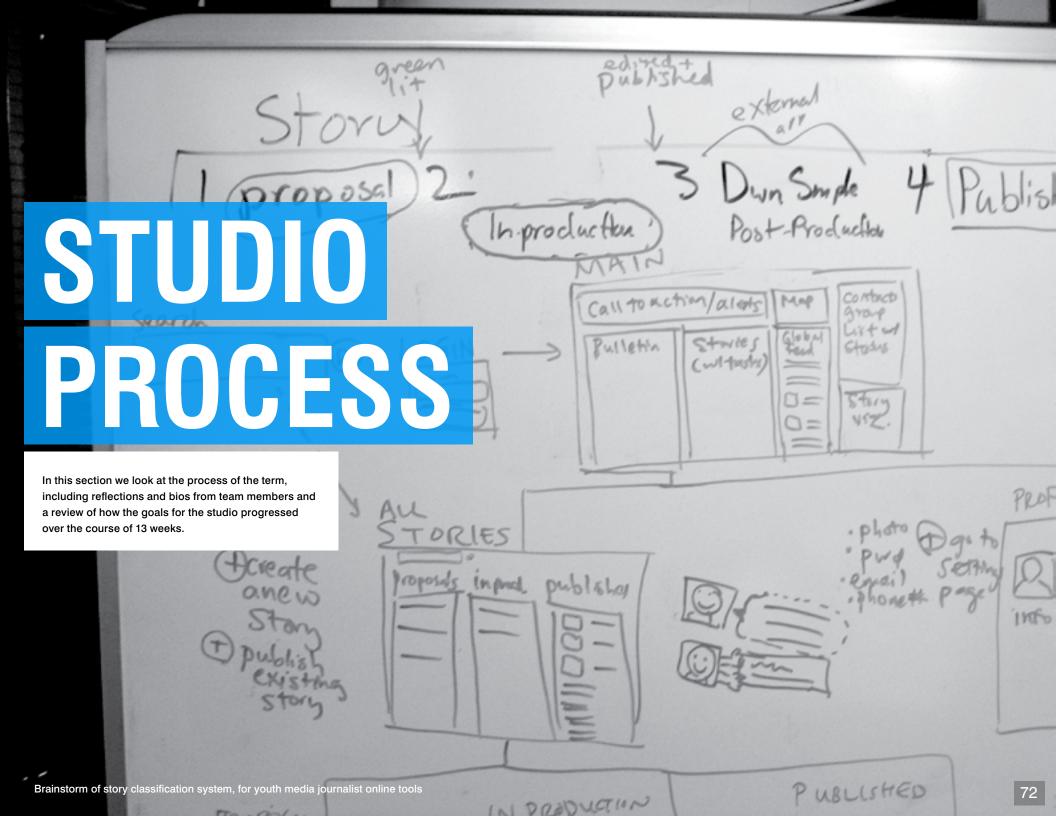






Barbados coastline Beach in Mindoro

technology restricted to those with greater socioeconomic status, the average user was more advanced than we had anticipated. Cell phones were a major part of daily life and the primary source for staying connected. We used this information to design a site that allows stories to be shared though both lo and hi-fi technology. In this way, the cellphone can be a tool to increase access to storytelling and storysharing for youth.



GOALS

Christopher's presentation 1/17/08

General class goals include:

analysis user interface

usability

use cases

prototype partnership

We were asked to think about:

How do you give tools to tell stories?

Is there a better name for "youth journalists"?

How can you educate others about how to tell stories?

What are best practices for video sharing sites?

How do you create horizontal connections and new networks among youth media producers?

Midterm presentation 2/28/08

We presented three concept areas: 1. Online tools to support Youth Media producers, 2. Sharing Youth Media stories in local communities, 3. Youth Media portal for a global audience.

We were asked to pursue the Online tools for Youth Media groups. Some feedback included:

What is the overlap with their current tools?

What is the motivation for youth to use the system?

How can the proposal process feel more informal?

Are there different levels of users and roles?

How do we incorporate SMS and other types of messaging into these tools?

Teleconference with UNICEF 2/14/08

We defined our goals as the following:

- To support youth media groups in Guyana, Suriname, and the Philippines to publish their content and generate interest and dialog around the stories. To make these stories more accessible in low bandwidth conditions. And use the affordances of the medium to create rich content.
- To build connections within and between communities of youth media producers.
- 3) To encourage youth around the world to become interested in journalistic stories and to help them create and contribute their own stories.
- 4) To create a system that could be adopted by future youth media groups in other locations.

Teleconference with UNICEF 3/20/08

We presented our revised designs for the Youth Media tools. The feedback included:

How do the youth journalists respond to these tools in usability tests?

How do these tools feed into a semi-public site used among all youth media journalists?

Could this system be used for short-term youth events?

Can the top level page highlight this is a video-based site?

STUDENT BIOGRAPHIES

CAMILLE ONTIVEROS 6th Term Fine Arts

I was born in Utah but grew up in southern California. Before attending Art Center I worked as a furniture designer and as a retail merchandiser. Currently I am a fine art student. My practice derives from my Native American identity and address issues of identity, pop culture, and process and how these relate to past art history movements.

PARKER KUNCL M4, Graduate Media Design

Born in Chicago but raised in Baltimore, Maryland, Parker has worked and studied in a variety of places. After a year of scientific and analytical thinking in the geological-oceanography program at University of Rhode Island, he transitioned to Visual Communication Design at Villa Julie College in Maryland. He has worked as a professional freelance photographer for the past 9 years and as an art director and graphic designer for design and advertising firms, including his own, Pdot Republic, for the past 5 years. Currently his interests include interaction and experience design, archiving, and technology.

CINDY YUWONO 7th Term Graphic Design

I'm originally from Indonesia and came to U.S. about five years ago. I was moving from Seattle to San Jose and finally destined to Pasadena. I was about going to business major at first but later on I found out that graphic design is what I really want. I love collecting stuffs especially good photographs for inspiration.

SEVENJU PEPPER 5th Term Photography and Imaging

Sevenju was born in Reedley, a small farming town in the Central Valley of California. She received a BA in Political Economy from UC Berkeley, and has danced professionally in theaters across London, New York and San Francisco. An avid traveler, Sevenju began taking pictures while living in South America and has since used her camera to tell stories. Her personal work reflects on childhood memories and the history and legacy left by our parents and grandparents.

JONATHAN JARVIS M4, Graduate Media Design

Jonathan is 23. He studied graphic design at the University of Iowa. He graduated and drove out to Los Angeles to study at the Media Design Program at Art Center. He is interested in systems design that works across different media. He is a Taurus, born in the year of the Rat, but he doesn't believe in those sort of things. He likes Ayn Rand novels, running, and Mille Bornes.

BROOKE REIDT 7th Term Illustration

Brooke is an artist/philanthropist who hitchhiked across the country when she was seventeen and remains spellbound in transient habits. She currently lives and works in Downtown Los Angeles while earning a BFA in Illustration at Pasadena Art Center. When she isn't in school, Brooke divides her time between freelance illustration/design, sharing her art publicly in galleries across the country, publications internationally and actively involves herself in projects with various NPO's connected to sustaining the environment, alternative education and social development. She is dedicated to applying her art to help heal something larger than herself.

INSTRUCTOR BIOGRAPHIES

PETER CHO Lead Instructor

Peter Cho is a designer, media artist, and educator based in Los Angeles. He is a graduate from the MFA program in the UCLA Design | Media Arts department and the MS program at the MIT Media Lab's Aesthetics and Computation Group. He has taught information design, dynamic typography, and web media at UCLA, Art Center, and CalArts. His interests include issues of electronic textuality, narrative, and mapping. He has never been to the Caribbean or the Philippines.

MIYA OSAKI Co-Instructor

A California native, Miya Osaki received an MFA from the Media Design Program at Art Center. Her master's thesis investigated how we collect and share cultural artifacts (physical, virtual, analog, digital), exploring storytelling and narrative history, embodied interaction, and the role of emotion in design. In 2006, she was the recipient of the Designmatters UN Fellowship and has worked on projects for UNICEF, One Laptop Per Child, and the United Nations Population Fund. Miya now lives and works as a designer in New York City, where her life also revolves obsessively around discovering the city's best food.

PETER SHULTZ Co-instructor

Peter Shultz is a recent grad of Art Center's Media Design Program. He is a working designer, researcher and instructor in Los Angeles. He currently teaches "Art of Research," an ongoing undergraduate class introducing research ideas and skills to Art Center's first year students. As well as teaching he is a design research consultant for two medical research studies. He is building a practice based on the idea of designers observing the world through research.

THE INSTRUCTORS

PETER CHO Lead Instructor

From the outset, this TDS presented a set of challenges. We need to help youth journalists reach people in areas with low bandwidth and low connectivity. A youth media organization lost their broadcast time on the national television network and need to find new ways to reach their audiences. From our first teleconference with Christopher and Erica in December, I remember thinking, how will we develop interesting, creative, and useful outcomes given such a limiting set of constraints?

The makeup of the class changed quite a bit in the first few weeks of the class as students dropped and new ones added. We ended up with a core group of students who came to the class with limited technical skills and expertise but remained motivated and focused, building their knowledge week by week.

The third and fourth weeks of class were an exciting and hectic time, as we rushed to arrange trips for students to visit the Philippines and Caribbean. We found these trips to be invaluable for the process — in getting to know and understand the users, their needs and environments. The student travelers' return became another challenge as they struggled to review and summarize their research, catch up with their

course work and the rest of the class, and jump back into the swing of developing concepts for our youth media systems.

I was surprised and impressed by how excited students became about usability testing after Merrick's presentation after the midterm. This became an important step for us, as the teams involved with testing spent many late hours on the phone and on IM, presenting our work to youth media members in Guyana and Manila and getting feedback on the wireframes and the larger concepts as well.

Overall the TDS was a great learning experience for me—it often felt more like managing a real-world design project than leading a class of students. Working with the team was great, and juggling the requests and needs of the class, our users abroad, Designmatters, mDialog, and UNICEF was challenging but well worth the effort.

In the end, the multiple challenges, pressures, and constraints of this TDS led to some great outcomes, not only the project concepts we arrived at as a class, but also the learning experiences we shared in during the process.

THE INSTRUCTORS

PETER SHULTZ Co-instructor

I am a proponent of designers conducting research the other class I taught this term is a research skill class for undergrads—and even I was surprised by the relevance of this classes research work. While we did conduct secondary research, it was the primary research in country that brought new perspectives to the class. From the Philippines researchers talking about TV being a high priority—to the extent that even squatters have TVs—to the Caribbean researchers talking about a massacre and rational tensions, the students brought back stories letting us know what part of our own assumptions we could and could not trust. The most useful shift in views was that while we live in an "always on" world through computers, many of these youths lived in an "always on" world through cell phones.

At first I was excited to have a studio class of six students. Then we sent two-thirds of them away for a week. With only two left to work, it became clear that we instructors would have to become very involved. At times we felt like the seventh, eighth, and ninth students in the class. This was unusual and a difficult choice. I didn't want to take away a learning

opportunity from any student by doing it myself. At the same time, I didn't want the class to fall behind a week simply because they didn't have enough hands. I felt most comfortable filling in technical skills the class didn't have, thinking of myself like their hired assistant.

In this class we have sought to find a balance between innovation and appropriateness. It is tempting for students to focus on new, cool ideas. While they are energizing, they are not always the right solution. Students often feel that if they are not thinking of new ways of interaction or design, then they are not doing it right. We have stressed that finding the right solution for the user, is more important than finding a new way of doing things.

I am very proud of the final tool we have created. While on the surface it may look like other project management tools, it is actually custom designed for journalistic production by youth groups. It fulfills their needs to stay organized, to have a virtual office, to have a living archive, and to persist organizational knowledge even if members leave. At the same time it respects their high need for privacy.

MIYA OSAKI Co-instructor

As I was a part-time instructor (coming in from New York to teach class once a month) I was not able to participate in the week-to-week activities of the class. However, there was an advantage to this, as I was able to see some things that I might have overlooked had I been in the classroom on a regular basis. One of the most impressive things I noticed was how quickly our small group came together to face the challenges that this TDS presented.

Early on, one of the big issues was how media/ technology-heavy the content of the class was. It was a particular issue as over half of the class had little background in this area. On the first day of class, I remember hearing the ambivalence of many students who wondered how they could contribute as an illustration or a fine art major. Yet they stuck it out, and when I came back for the midterm, I was amazed to hear the very same students talking about cell phone SMS usage in the Caribbean, building wire frames, and developing social networking technologies on my very next visit. One of the unique strengths of these TDS classes that I have seen as both a participant, and now as an instructor, is how vital a collaborative environment can be-particularly when people come from diverse backgrounds and varied interests (from all sides: students, instructors, partners, sponsors) to contribute to a common project.

This class' willingness also translated into resourcefulness. The ability for this class to pull off all that they have done, in such a short amount of time with such a small team, is remarkable. They travelled to the Philippines and the Caribbean on a moment's notice, virtually presented to New York and San Francisco on several occasions (distorted audio feedback, yellow colored screens and all), conducted surveys and user tests on IM in the middle of the night (when phones failed them), got a crash course in wire-framing websites, usability testing, and video production. And while these could easily be perceived as obstacles and challenges, the class approached them as opportunities which really added to the value of the experience for me.

THE STUDENTS

CAMILLE ONTIVEROS 6th Term Fine Arts

I found this class to be a welcomed challenge. Coming from the fine art department we are encouraged to identify problems to use the context of art history as a means to explore our ideas and solutions. We make objects or paintings to fill galleries—our typical audience is different than that of the intended audience in the UNICEF class. The idea of problem solving for a specific audience is what made the class appealing to me. I had to work in a group—within set parameters in order to produce a product for commercial use. I learned invaluable ways of collecting information, brainstorming tools, and how to edit out the potent goals for this project. I learned what a wire frame is and how to make one. More importantly I watch a set of ideas devleope around a room, bounce from one person to the next, and eventually take on a concrete form. The group came up with a product that could be useful to youth journalists. It was exciting to see how a community of eight people come together to infuse dynamic ideas creating a synergistic environment.

CINDY YUWONO 7th Term Graphics

There is nothing more valuable than realizing the fact that we, as designers, can help kids around the world. Trying to observe their cultural value and trying to think as if we are in their shoes, we built a system that both incorporates a way of sharing personal stories and also creates a view of how youth journalists work. Also this project really helped me to get down with some knowledge. This project helped me learn new methods of research and effective reorganization of the information gathered. I also learned a lot about how to really discuss, throw ideas, do presentations, and other processes. I also learned a lot from my classmates and instructors. I think all of them are very smart, and I'm very lucky to have been a part of this project. PS: I love all the big ideas and am excited to see our project in the real world.

JONATHAN JARVIS M4, Graduate Media Design

Lo-Fi doesn't mean "not innovative." In fact, it can be the opposite. The intense constraint of Lo-Fi technology mixed with an ambitious goal pushes creative thinking.

Youth sometimes don't know answers to questions about them. Direct observation is the only way to discover details they neglect to mention. This is why visiting the youth groups and regions we were designing for was so crucial. We found things that never would have been told to us, even if we would have asked. For example, the journalists seemed to think that access to the internet didn't require a huge effort, but when we actually made the trip to an internet cafe we needed to gather everyone, flag down a taxi, ride in the taxi while it dropped off other passengers, exchange currency, walk to an internet cafe, wait in line to buy time on a computer, enter our temporary username and password, and finally launch internet explorer.

I take my uploading-behavior for granted, as I'm always connected. But people in many parts of the world lack this constant connection, and hence don't often upload.

Making wireframes is tedious, but takes ambiguous ideas and solidifies them into good or bad ideas.

Basecamp is a great project management system. In-class presentations should be short and potent Examples of good, related work are very helpful.

REFLECTIONS FROM THE STUDENTS

PARKER KUNCL M4, Graduate Media Design

I knew where the Philippines were, but knew nothing about their people or culture. I've never been to Guyana or Suriname, and probably wrote them off as South American countries, and not Caribbean island-like nations.

I also was not aware of the huge growing community of youth media journalists around the world. They are extremely professional, very experienced, passionate teens who care a great deal about sharing their point of view with others.

I was told that Filipinos are kings of texting. They own the medium of communication. Its as much a part of their lives as music, conversation, and food. In fact they wear their cell phones around their necks for quicker reach to stay connected to friends and family. One thing that really stood out on my trip to the Philippines was that what is sometimes referred to as a developing nation was in fact already developed and perhaps even over-influenced by western cultures (primarily American). Overall the people in the Philippines were very friendly, open, generous and sharing. Even though the Philippines is next door to technology producing powerhouses like Japan, China, Taiwan and Singapore, and get access to the newest best technology from those countries, it is the cost of access that limits them from taking advantage of the large feature sets of that technology.

One of the best parts of this class for me was getting the chance to conduct usability testing and the refinement of wireframes for both presentation to client and audience. The design of a new system of tools for youth around the world to propose, create and share stories was the highlight of the class for me.

SEVENJU PEPPER 5th Term Photography and Imaging

As a participant in the Unicef Uniwiki TDS class, I had the opportunity to be a part of a unique design team composed of two Graduate Media Design students, an illustrator, a graphic designer and a fine artist. Being a photography major myself, I did not have the design experience I thought necessary going into the class. So, I had my hesitations.

During the fourth week of the class, I had the amazing opportunity to travel to the Philippines with my classmate, Parker, on a last-minute trip to interview youth media journalists from a group called Kabataan News Network (KNN) in Manila and Mindoro. Part of our trip was also to get a feel for the country - the smells, textures, color and sounds - and to bring that into our process of design. The trip reinforced the importance of hands on experience and the value for a designer in speaking directly to their audience before starting a project. On our trips, we learned that although the technology may be years behind as far as access to the latest, the use was more advanced. Youth that we met were using their cellphones to connect in ways we are just beginning to in the United States. We found that their relationship to cellphones was more in line with Japan's. I was intridued by our secondary research on digital story-telling and the popularity of cell phone novels in Japan. Filipino youth are sending mass text messages daily and subscribing to sites that send jokes and inspirational quotes to friends and family via SMS. This finding was integral in designing a website that is meant to connect youth in various areas with both lo and hi-fi bandwidth connection. In this way. the cellphone can be a tool to increase access to storytelling and story-sharing for youth.

The class further challenged me to understand a side of technology that I had no knowledge of previously, to work in a team, to learn a how to make wireframe and exposed me to the structure of designing a website from initial research and brainstorming to process and final design.

BROOKE REIDT 7th Term Illustration

For the first couple of weeks, class discussions began to clarify and bridge gaps between the known and the unknown. Aside from tasks assigned I spent a lot of time reading while researching three countries in the Caribbean, the Philippines, the communication technology in both of these regions and current web based systems that are used in these regions as well as developed countries. In contrast to some of the instructors' and a couple of the Media Design graduate students, I felt like I could identify with the youth in developing countries on the subject of information and communication systems on the internet.

It wasn't long before Designmatters surprised us with the opportunity to do some field research in these prospective countries, working directly with the youth journalists we were designing for. This was a really exciting opportunity that I knew would be an invaluable key to our research. Last year I worked on a project with Designmatters and MPALA on developing educational tools to aid in teaching HIV awareness and the value of family planning to nomadic Kenyans. Most of my process was in research, just to touch the tip of gaining perspective from such a diverse culture. I knew traveling to meet our audience first hand would not only answer questions we hadn't even began to ask, but it would also help in personalizing this project once we made a connection with the individuals this system would support. Reflecting back on these trips, they exceeded all that was anticipated. The inspiration I gained from the youth journalists is immeasurable and every opportunity I had to reconnect with them once I returned refueled the energy and excitement I invested in this project.

THE PARTNERS

TERRA WEIKEL UNICEF

My favorite part of this process was hearing and seeing the students' first presentation they gave after they returned from their research trips. These trips were something that everyone on our team here at UNICEF dreams about, but that we rarely have the time and budget to actually do - even though first-hand observational field research has such a high value. So that first "blue sky" presentation was really exciting the students could have come up with anything ... and here it was: based on their recent first-hand experience talking with young journalists in a few countries, and observing things about young people and their use of media in each country, the class pooled their observations and came up with a fairly comprehensive and complex system involving the most important youth-used media. Some of the ideas that they've come up with, especially in terms of mobile-internet interaction, will really push our work forward. And, we've been enriched by the students' ability to channel the needs of young people for whom we are building these tools.

GREG PHILPOTT MDIALOG

When UNICEF approached me about participating in a program that would weave together the talents and interests of UNICEF, Art Center College of Design and mDialog with the goal of exploring how kids around the world interact with online video and how if given a well designed tool set, they would communicate what matters to them - I didn't hesitate to say "count mDialog in". While this "triangle" collaboration as Christopher Fabian at UNICEF describes it, worked well with all sides contributing their expertise, it was really the students that impressed me the most.. The sheer energy and commitment to producing a product that addressed the needs as well as extended the possibilities for kids to communicate with each other. made me proud to be part of this program. It helped remind me of the importance of the design process and ultimately why design matters.

MERRICK SCHAEFER UNICEF

Working with the students at the Art Center was really fascinating. The interplay between their design process and their interactions with their potential audience in the developing world led to some very interesting insights.

VISITING LECTURERS

There were various professionals throughout the course of this project who openly shared some of the innovative projects they were involved in. Their visits offered outside insight that continued to inspire us and give us new perspectives on how to approach this project.

Juan Devis

Juan is a Multi Media artist and Native Colombian who studied film in Boston and currently collaborates on projects that focus on social and political accountability. Recent projects he shared with us include "Face IN" which he described as a way for sexual offenders between the ages of 14-22 to identify the "monster" within them and express that identity through poetic portraits. Tropical America, an educational interactive game that Belmont High School students developed in their process of studying the history and mystery of the Americas. Explore Ca, a series of cyber murals that provide a panoramic portrait of the cultures that preserve color in numerous Los Angeles neighborhoods and the people who live there.

Juan reminded us to, "start with them from the beginning," in reference to working on projects with youth. This resonated with us throughout the course of our process as we retained perspective of the audience we were designing for. This process was about listening to the necessities of a specific audience and responding with creative solutions.

Jason Tester

Jason's expertise are anchored in Research and Design. He is currently working with the Institute For the Future as a manager for Research and Design. His current research includes: how people use new technologies, applying design to futures research and organizing groups to develop insight and connections to the future.

Jason holds a B.S. in human-computer interaction design from Stanford University. He received his master's degree from the Interaction Design Institute in Ivrea, Italy where he worked on the "accelerated Democracy," project.

Jason Tester believes that "creating artifacts from the future makes at risk kids think that they might actually have a future." This idea relates closely to our current project in developing a system to enable content sharing using low bandwidth. Designing for a specific audience of youth to encourage their endeavors will endorse the importance of continuing to share their stories.

VISITING LECTURERS

Greg Philpott

Greg is the founder and president of mDialog. His prior experience is extensive ranging from acting, the television industry, business process management consulting for various companies and eventually media and technology as a Digital asset Manager. In 2005 he founded mDialog, an open source platform for professional and amateur filmmakers based in Toronto, Canada with offices in New York City mDialog allows professional and amateur filmmakers to upload and share content through the use of it's mLoader software. mDialog also allows viewers to watch/download videos onto their desktop, iphones and ipods; as well as subscribe to mDialog channels via itunes. mDialog not only provides a place to support advanced social networking for filmmakers and their audience, it is also working towards building a toolset that can be used outside of the mDialog case.

mDialog will eventually support the system developed by this UNICEF/Designmatters project and this visit was vital in understanding how our system would interface with the features that mDialog currently offers.

Merrick Schaefer

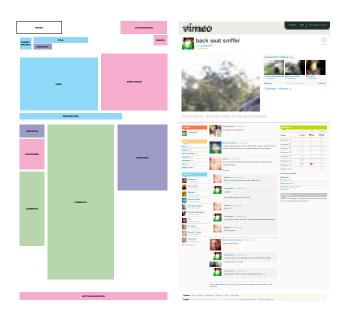
Merrick Schaefer is a Technical Project Coordinator at UNICEF and based out of the UN's New York Headquarters. He has been developing web sites and applications since 1995. During his career his work has focused on a wide range of projects from large private sector financial sites to tools for small non-profits. He has been at UNICEF for 3 years where he manages a team of 5 designers and developers.

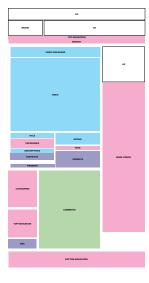
Merrick is one of the original team members of the UniWiki project, an initiative working to answer the questions of, "How do we connect children who have no access to computers or the internet to children who do?". Open source software, mobile technology and community created content sit at the center of the work being done to address these questions. The UniWiki project is run out of the Innovations and Development section of the Youth Team, in UNICEF's Division and Communication.

Ever focused on creating web applications and sites that communicate clearly and are easy to use, Merrick has made the three inter-related concepts of usability, information architecture, and accessibility the driving principals of his work. In December of 2007 he helped UNICEF create more relevant web products for users in the developing world by establishing a usability testing center in Tanzania.



VIDEO SHARING SITE SURVEY

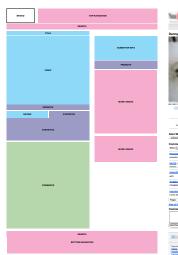


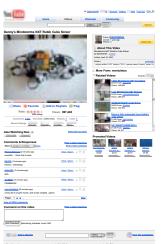


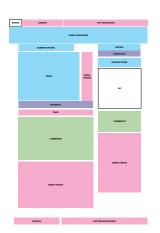














USEFUL WEBSITES



www.brijit.com

A great site of 100 word summaries of popular news stories.



www.aptivate.org/webguidelines/Home.html
Web design guidelines for low-bandwidth websites.
They recommend a lot of good tips for maximum
download sizes, reducing images, and structuring a
site optimally. Their target audience is lower bandwith
than ours, but it is still useful.



www.readwriteweb.com/archives/video_editing_20_8_ ways_to_remix_videos.php

A collection on current online video editing tools. All too highband width for this project but interesting.



www.voicethread.com

A site useing slide shows with a voice commenting system. They use it both for commenting and as a medium for story telling.



www.teleflip.com

Sends emails from your inbox to your phone as text messages. We found it useful for testing the experince of getting stories via text messageing.

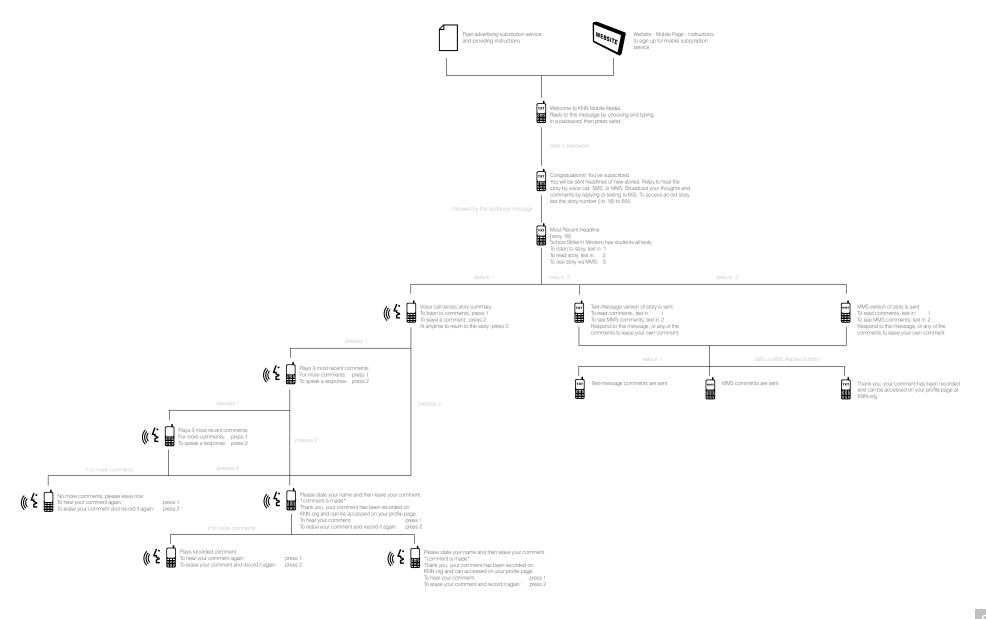


www.listenup.org

This website connects youth media groups to each other and to resources like film festivals, funding, jobs...As a member of "Listen Up" they offer the connection to this network and your own website hosted on their pages.

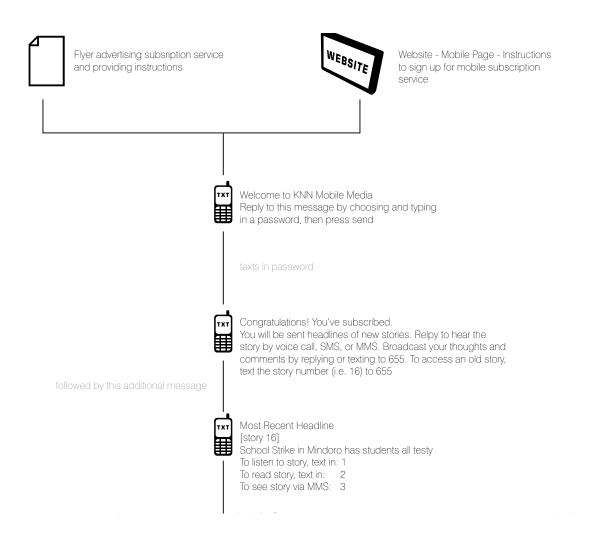
Mobile access diagram

- · Allows for interaction with story-sharing system by voice, SMS, and MMS
- · Subscribe to receive and respond to YM via cell phone or web



Mobile access diagram

- · Allows for interaction with story-sharing system by voice, SMS, and MMS
- · Subscribe to receive and respond to YM via cell phone or web



Mobile story-sharing scenario, 3.1



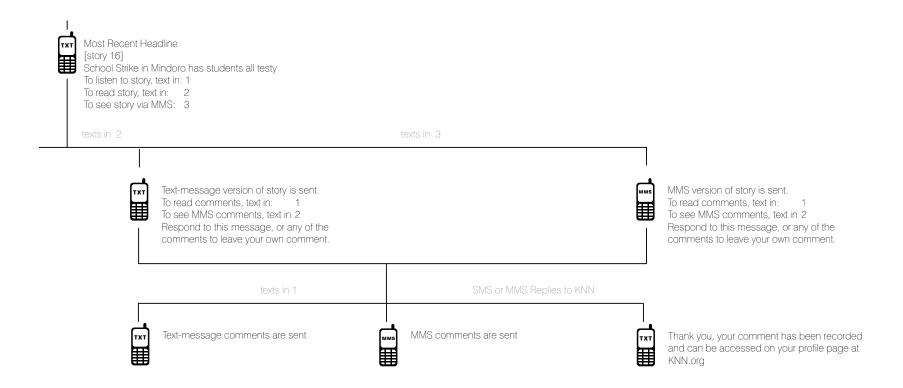
Asia sees a poster on the wall at school.



She subscribes and is given the instructions for reading or hearing stories and posting comments. She sees that she can visit the website as well and all her comments will be stored there.

Mobile access diagram

- · Allows for interaction with story-sharing system by voice, SMS, and MMS
- · Subscribe to receive and respond to YM via cell phone or web



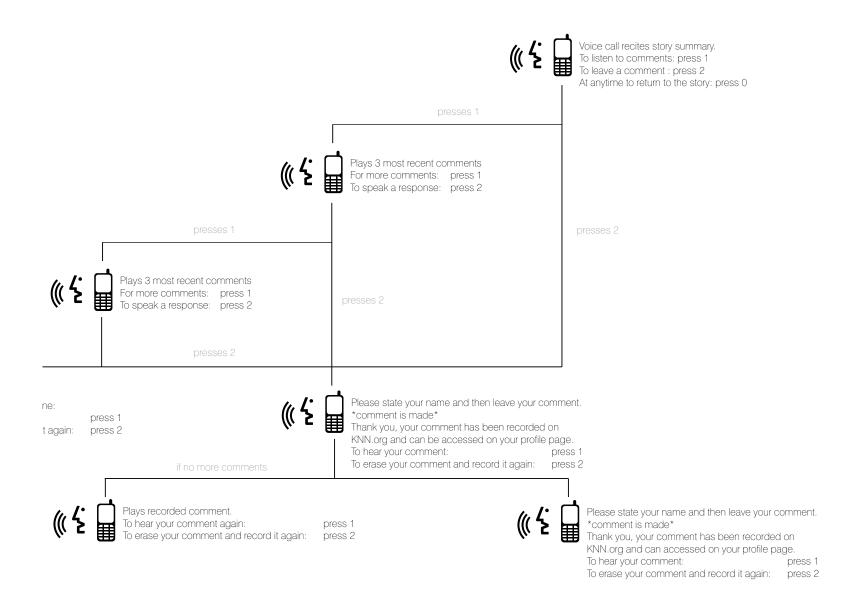
Mobile story-sharing scenario, 3.2



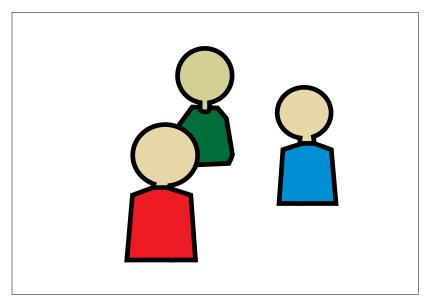
Later that day, Asia receives a text message with the KNN Headline. She is with two friends and shares the story with them and they leave a comment. One of her friends joins by texting 655.

Mobile access diagram

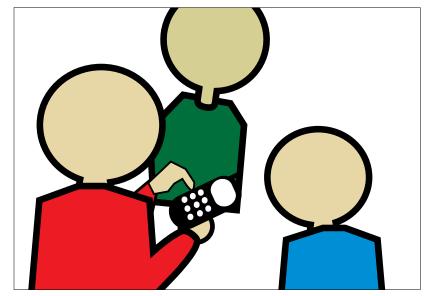
- · Allows for interaction with story-sharing system by voice, SMS, and MMS
- · Subscribe to receive and respond to YM via cell phone or web



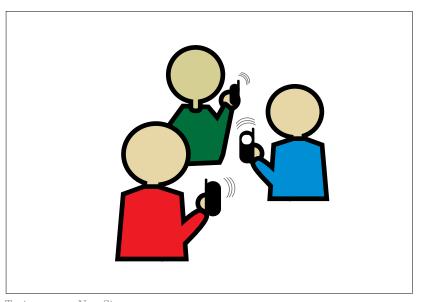
LOCAL VIDEO SHARING SITE Mobile story-sharing scenario, 2



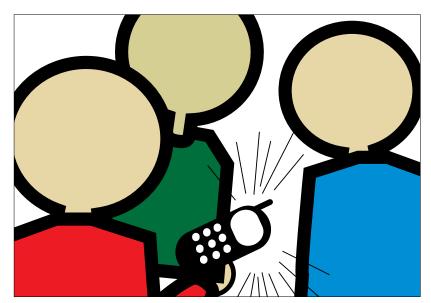
Hanging out



Decide to listen to story as a group



Text message: New Story



Story is played over speaker-phone

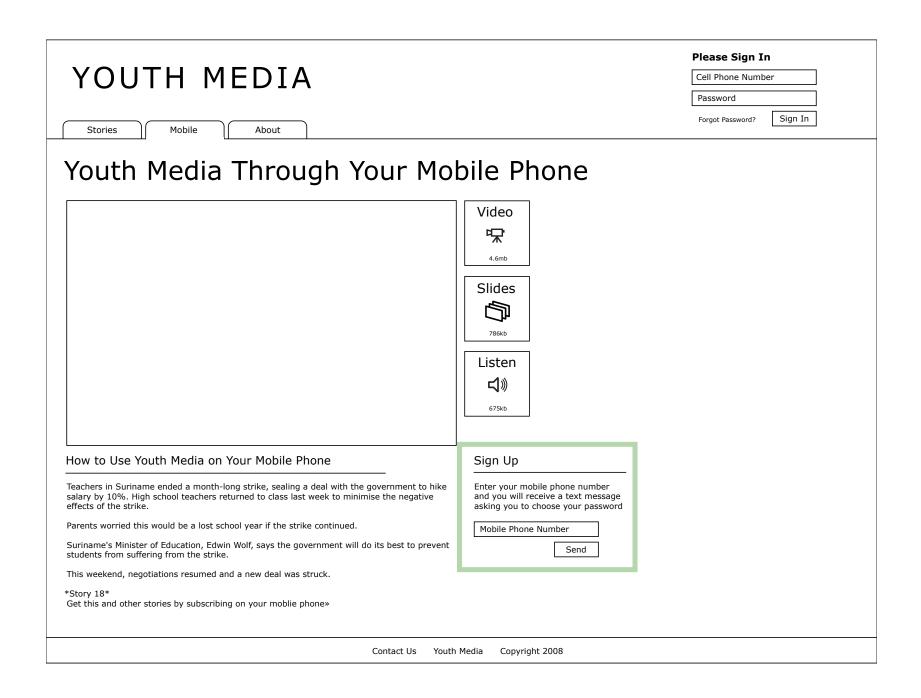
Local Youth Media site: Landing page

Please Sign In YOUTH MEDIA Cell Phone Number Password Sign In Forgot Password? Mobile Stories About Connecting Youth with Their Stories Online and on Your Mobile Phone Elevator pitch for Youth Media Organization People with friends and others who work, study and live around them. People upload an unlimited number of photos. About Us » Elevator pitch for using your mobile phone People with friends and others who work, study and live around them. People upload an unlimited number of photos. Join Now Teachers End Strike in Paramarabo 14 Comments 18 Contact Us Youth Media Copyright 2008

LOCAL VIDEO SHARING SITE About page

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Story 18 — Paramaribo, Suriname

Teachers in Suriname ended a month-long strike, sealing a deal with the government to hike salary by 10%. High school teachers returned to class last week to minimise the negative effects of the strike.

Parents worried this would be a lost school year if the strike continued.

Suriname's Minister of Education, Edwin Wolf, says the government will do its best to prevent students from suffering from the strike.

This weekend, negotiations resumed and a new deal was struck.

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Resources

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Suriname Ministry of Education &

BBC Article on Surinamise Schools A

Transcript of interview with Former Minister of Education Venetiaan Runaldo

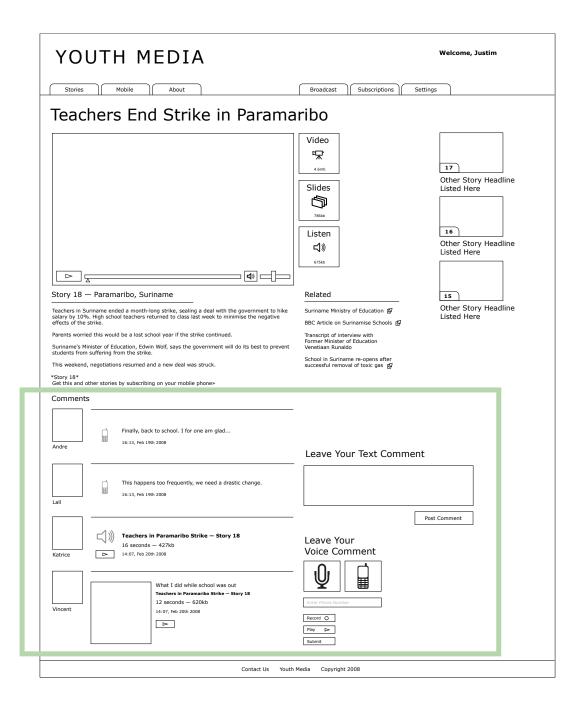
School in Suriname re-opens after successful removal of toxic gas 🛱 Listed Here



Other Story Headline Listed Here

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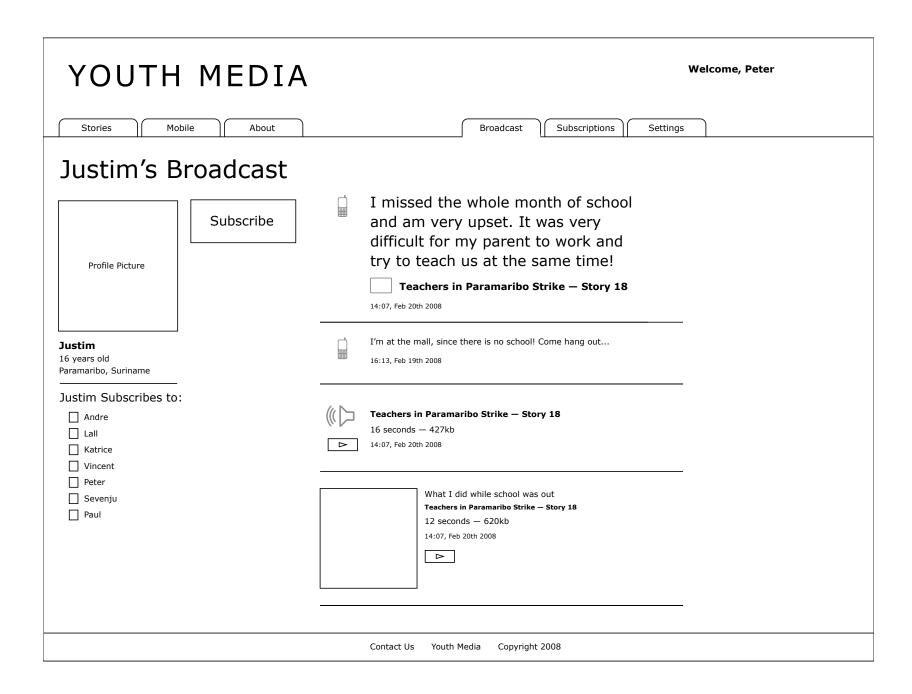
Story page with comments



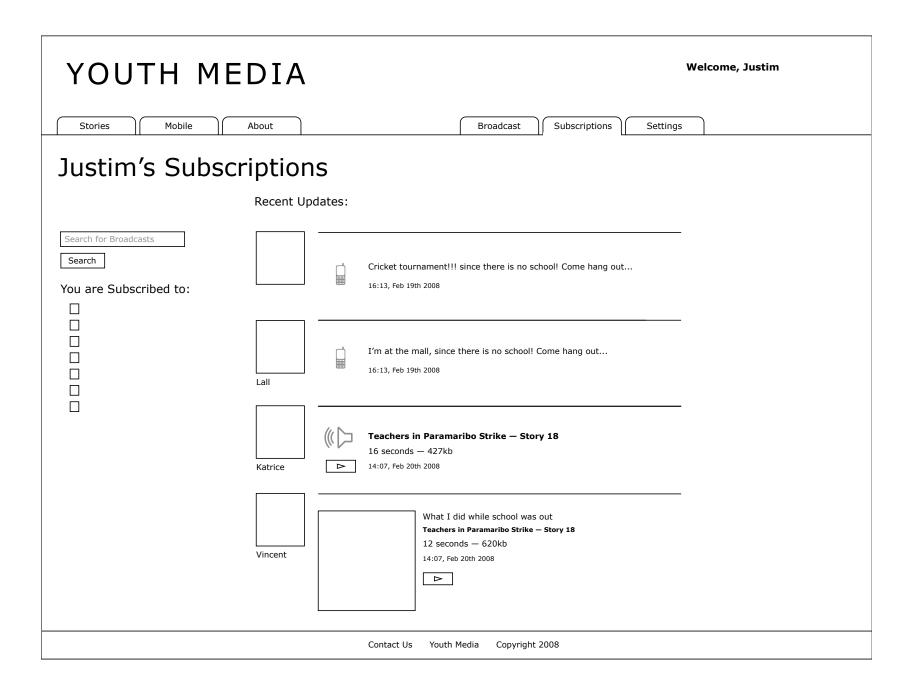
Broadcast page

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Justim's Broadcast					
to A S Profile Picture	Anthony wants to subscribe o your broadcast: upprove — Deny Shabir wants to subscribe o your broadcast: upprove — Deny		I missed the whole month of school and am very upset. It was very difficult for my parent to work and try to teach us at the same time! Teachers in Paramaribo Strike — Story 18 14:07, Feb 20th 2008 — edit — delete		
Justim 16 years old Paramaribo, Suriname			I'm at the mall, since there is no school! Come hang out 16:13, Feb 19th 2008 — edit — delete		
Add Comment Submit			Teachers in Paramaribo Strike — Story 18 16 seconds — 427kb 14:07, Feb 20th 2008 — delete		
You are Subscribed to: Andre Lall Katrice Vincent Peter Sevenju Paul			What I did while school was out Teachers in Paramaribo Strike — Story 18 12 seconds — 620kb 14:07, Feb 20th 2008 — edit — delete		
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THANK YOU

The students and faculty of this class would like to generously thank all those who helped make this class possible. There is no way we six students and three instructors could have accomplished what we have—including flying around the world with only a weeks worth of planning—without you. Thank you all.

Art Center College of Design

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Linda Graybael

Hannah Huang

Kyle Maynard

Elisa Ruffino

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Jason Tester, Institute for the Future