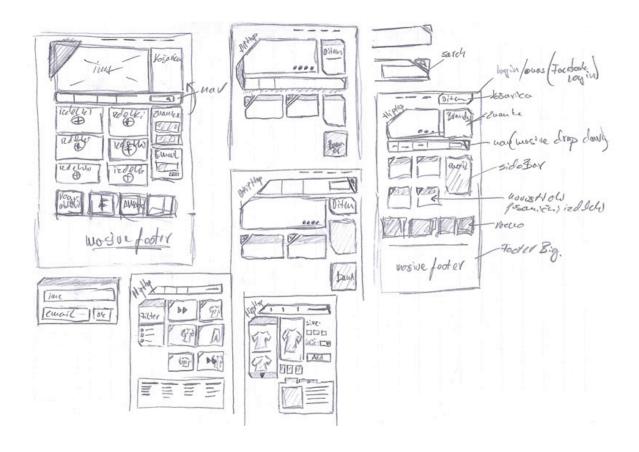
IS4300: HCI

Building Wireframes
Spring 2013

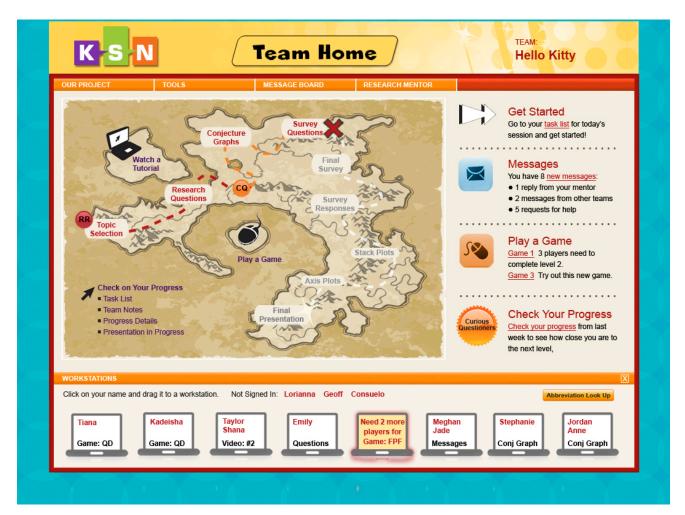
# Today's Agenda

- Lecture on wireframes
  - Static wireframing example: KSN
- Wireframing tools



# Low fidelity wireframe

Low fidelity: cocktail napkin wireframing. Thinking through the broad strokes, overall layout. Typically static.



# **High fidelity wireframe**

High fidelity: layout and interaction more specific, might include styling like font choices, icon styles.



# **KSN Wireframing example**

Online project for children to learn about scientific process and data analysis

# Uses of this wireframe

- Define tasks, sequencing of tasks
- Tool for thought: for thinking through a complex activity
- Tool for stakeholders with diverse backgrounds to talk through the design and iterate upon it.
- Graphic designer, database designer and programmer based their work upon it (and other documentation.)

# Preliminary sequence of tasks

Multiple users create team projects, so we had to decide which users could work on what when.

- Young people think of a problem they want to address.
- Develop conjectures about what they think will happen.
- Develop surveys to address questions (or should this happen before the conjectures?)
- Get feedback throughout the process (but when exactly should the feedback occur?)
- Gather data.
- Analyze data.
- Write up results.
- Design presentation.

# Existing documentation at the time

- Prototype database designed and implemented
- Some prototype infrastructure built
- Some video and flash game content built separately.
- Some graphic design choices made.
- Data analysis prototype existed but not integrated with system database.



Hello Kitty KSN Level 1







### KSN **Hello Kitty** Our Project Research Rookies - Our Topic All sections can be opened and closed with the "-" and "+" signed next to the subheading. Our Topic is <blah.> - Our Research Plan Question 1: Lorem ipsum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dicit congue ex, eu eos ludus zzril ponderum. These questions are important because: Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto vel an. Ferri eruditi at mea, duo amet ridens expetendis an. Nibh quaeque habemus sea ut, omittam probatus convenire per We will answer these questions by collecting data from: These questions are important because: Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim We will use this data to: These questions are important because: Ad eam paulo allquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto we lan. - Our Survey Number of Questions: here <Status: draft/waiting for peer feedback/waiting for mentor feedback.> - Our Conjectures Conjecture 1: Lorem josum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dicit congue ex, eu eos ludus zzril ponderum. Per ad iracundia maiestatis dissentias, tempor tritani tibique qui ad. Latine integre copiosae ei mea, ut vix eros bonorum dignissim, ea illud audiam quo, id sumo eirmod laoreet eum. liber simul diceret his ne. Conjecture 1: Lorem ipsum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dici congue ex eu eos ludus zaril ponderum. Per ad iracundia malestatis dissentias, tempor tritani tibique qui ad. Latine integre copiosa e ei mea, ut vixeros bonorum dignissim, ea illud audiam quo. Id sumo eirmod laoreet eum, liber simul diceret his ne. - Our Data Survey status: open Responses received: 2 - Our Analysis No plots yet. - Conclusions Lorem ipsum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dicit congue ex, eu eos ludus zzril ponderum. Per ad iracundia maiestatis dissentias, tempor tritani tibique qui ad. Latine integre copiosae ei mea, ut vix eros bonorum dignissim, ea illud audiam quo. Id sumo eirmod laoreet eum, liber simul diceret his ne. + Unanswered Questions conclusions section + Recommendations is findings, unanswer, and reocmmendations + Mentor Feedback

Mentor feedback is in closed position. When opened, you se feedback or link to "request feedback"

KSN	Our Research Plan	Hello Kitty Research Rookies
ank General Topic Areas		
SSENAME Which do you rank first, second and the Missic Fashion Than Movies Peer Pressure Under Games Exercise Stating and Nutrition	Every individual complete such web page suction wireframed on this page. For fairfree multiple user are logged on to a computer, the equivalent number of sections should appear in each section. We do not expect multiple users to be on a computer in this section but need to design for this contigency.	Dop downs should have the default be no pelection and other options be 1'st choice," 2nd choice," Side choice, " 2nd choice," Side choice, " 2nd choice," Side choice, " 2nd choice, " 2nd choice," Side choice, " 2nd choice, "
Dody Image Politics Politics Politics Politics Polyment and Wildlife Recycling Community Service Technology V Social Activities	Eventual an "other theman in other theman is not av January.	y there will be look area is. The option label for
Submit		Next Web Page
rainstorm Topic Ideas		
What do you want to know about body image?  Igym class standance and body shape  Igym by a standance and body shape  Door my tandance and the standance and the shape  Done with brainstorming  After users submit their answers on the per  page, they would go to be spage. First the  see a Tooding' redictation until all the you tailled. Then he first stage of agas content  have before		Select the 4 research ideas you think an best. (After you think an best. (After you think an best. (After you think an best. of the young the selection of the young the property of the young the property of the down the options from 1 to 4.)  Once everyone is done with braindoming, they click on the above 'sone with braindoming' button and the finals the most began you have select and you with the selection and of the young the young the selection and of the young the young the selection and click done with choosing, of research bodies Once they click drow with writing! they are sent to be following page.  Done with ranking
		Next Web Page
THE TOPIC WE CHOSE IS: gym class	s attendance and body shape	During the initial completion of this gap, one person is delegated to self the text on this page. Once google have completed the previous two pages of Our fleesands," when they return to it, they see this and don any.
minim veniam, quis nostrud exercitation ulla	lipisicing elit, sed do eiusmod tempor incididui amco laboris nisi ut aliquip exea commodo coi	t ut labore et dolore magna aliqua. Ut enim ad sequat. Duis aute irure dolor in reprehendent in non proldent, sunt in cuipa qui officia deserunt
SAMPLE	ake your survey. Who will you ask to take you	survey?
Our sample will be:	lipisicing elit, sed do eiusmod tempor incididu	
AUDIENCE		

# **KSN**

created.

### **Our Predictions**

Hello Kitty status: Research Rookies

Each prediction you write should correspond to one prediction plot. This page is a temporary page because we do not yet have the Prediction 1. prediction plotter. I am creating a second wireframe for what this Our prediction for Plot 1 is: page will look like once we have the prediction plotter. We think the plot will look like this because: Options for plot dropdown menu are <blank> The plot type is The label on the X axis is: Stack This label comes from the following survey question: Parallel Stack Axis The label on the Yaxis is: This label comes from the following survey question: add another prediction Options for label drop Save downs are the survey questions the kids

KSN: Data Collection Hello Kitty

Survey: <name>

Status: Closed

Number of Responses: 21

Survey	Most Recent Respondents										
		21	20	19	18	17	16	15	14	13	12
		15 min ago	4 hours ago	4 hours ago	4 hours ago	4 hours ago	4 hours ago	4 hours ago	4 hours ago	1 day ago	day ago
How many ho you talk on the	ours a day do ne phone?	1	2	2	1	2	55	j	1	2	3
What kinds o	of phones do	cell home school	cell home school	Cell home scho	cell home school	52	Cell home scho	cell home school	Cell home scho	Cell home scho	
Do you ha	a cell phone?	yes	yes	yes	y es	yes	yes	yes	yes	yes	yes
	and so										
	on										
2											[2]

**End Data Collection** 

Export Data

When the text does not fit in the cells of the data table, the visibile text in that cell will end with "..." and the full text will be available with a mouseover.

In cases in which data can be described numerically or textually, the data table will display numbers with textual mouseovers, e.g., in a scale from 1 to 7, "1" would have a mouseover "not at all," and "7" would have a mouseover "very much."

Status can be
Closed, Open until
<date time>, Open
until <number>
people responded
No End Date, or
Close Now.

Missing data is represented in the data table as "."

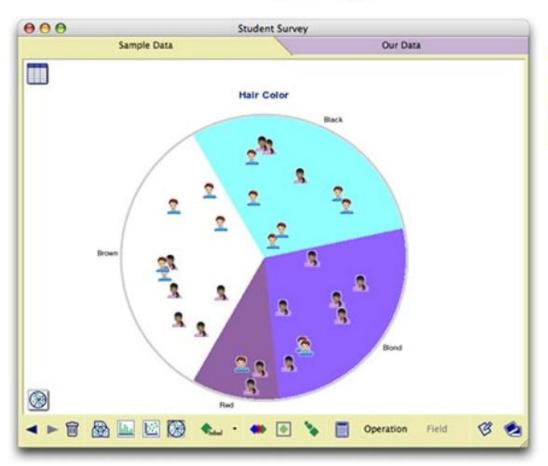
Export function appears only for evaluators and researchers.

The "end data collection" button should only appear when the survey is still open.

**KSN** 

Hello Kitty status: Research Rookies

# Plotter Page



When you first come to the plotter page, you see the plotter within the KSN framwork.

(Note the image representing the plotter is actually an inspireData screenshot.)

**Hello Kitty** status: Research Rookies

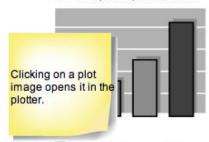
When the first person resaves the file in the plotter, they are asked whether

they would like to overwrite the existing file or create a new file.

# Data Plots by <Team Name> for <Survey>

For now, the plots are all in one long list on a single page.

## Use plot in presentation



Plot Creators: <names> Plot Type: <type>

This data plot says: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do

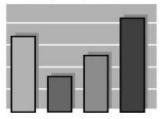
eius mod tempor incididunt ut labore et dolore magna alique. Ut onim ad minim union, quie

Notes: Lorem ipsum dolor sit amet, conset

incididunt ut labore et dolore magna aliqua Anyone from a given team can open, view and edit any plot belonging to show more their team. If two people open the same plot at the same time, they are

allowed.

Use plot in presentation



Plot Creators: <names>

When subsequent users resave a file, they are told "Another user Plot Type: <type> overwrote this file. When you save this file, a new file will be created.

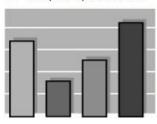
This data plot says: Lorem ipsum dolor sit

eius mod tempor incididunt ut labore et doli See plotter page wireframe to see exactly how this works.

Notes: Lorem ipsum dolor sit amet, conser

incididunt ut labore et dolore magna aliqua. U show more

Use plot in presentation



Plot Creators: <names>

Plot Type: <type>

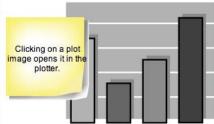
This data plot says: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eius mod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis Notes: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud show more

KSN

Hello Kitty
status: Research Rookies

## Data Plots by <Team Name> for <Survey>



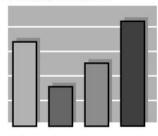


Use plot in presentation

Prediction: <a href="mailto:sinsert">sinsert</a> prediction here>
This data plot says: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamoo laboris nisi ut aliquip exea commodo consequat...

Notes: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. show more

#### Use plot in presentation



Plot Creators: <names> Plot Type: <type>

Plot Type: <type>

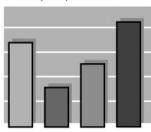
This data plot says: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip exea commodo consequat...

Notes: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor

Notes: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. show more

Show up to 10 graphs/page. If you have greater than 10 graphs, have multiple pages.

### Use plot in presentation



Plot Creators: <names>

Plot Type: <type>

Prediction: <insert prediction here>

This data plot says: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat...

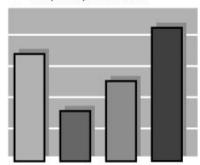
Notes: Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. show more

KSN

Hello Kitty
status: Research Rookies

# Data Plots by <Team Name> for <Survey>

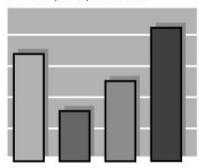
## ☑ Use plot in presentation



Plot Creators: <names>
Plot Type: <type>
Prediction: <insert prediction here>
Prediction Supported?:
This data plot says: <insert>

This data plot says: Explain: <insert> show more

### Use plot in presentation

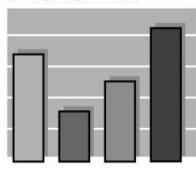


Plot Creators: <names>
Plot Type: <type>
This data plot shows:
Why did you create this plot?

show more



### Use plot in presentation

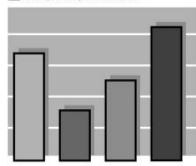


Plot Creators: <names> Plot Type: <type>

Prediction: <insert prediction here>
This data plot says: <insert>

Explain: <insert show more

### Use plot in presentation



Plot Creators: <names> Plot Type: <type>

Prediction: <insert prediction here>

This data plot says: <insert>

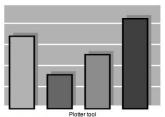
Explain: <insert show more

> Show up to 10 graphs/page. If you have greater than 10 graphs, have multiple pages.

# **KSN**

#### Hello Kitty status: Research Rookies

### Plotter Page



Prediction for this plot: <insert prediction here>

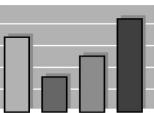
This data plot shows:

The prediction for this plot is accurate Explain about the prediction.	V

Plots should display the graph itself, the xaxis label, the yaxis label

> Options for label drop down are <blank>, "yes", "no," "not sure."

Use plot in presentation ☑
Save



This data plot shows:

Whydid you create this plot?

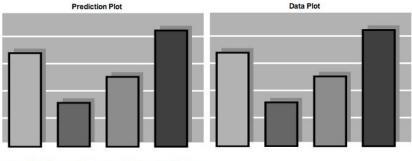
Notes

Use this plot in presentation

Save

### **Our Plots**

activate this set of plots



Our prediction for these plots was: <insert prediction here>

This data plot shows:

The prediction for this plot is accurate

Explain.

Each data plot created by the kids should show up on this page, regardless of whether it has an associated prediction plot. Plots that have associated prediction plots should show up on the top while ones without should show up on the bottom of the page.

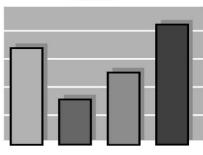
When you first come to this page, all check boxes should be unchecked and the text should read "activate this plot. The text/boxes should indicate that are not editable, perhaps by being grayed out in some way. When kids activate a plot, the text and text boxes go back to an active state. If kids have completed the prediction form for a plot and then deactivated it, the content they added should appear, but also be grayed out

Plots should display the down are <blank>, "yes", graph itself, the x axis label, the yaxis label

Options for label drop "no," "not sure."

activate this data plot

#### **Data Plot**



This data plot shows:

Why did you create this plot?



#### Our Conclusions

Hello Kitty Research Rookies

#### OUR DISCUSSION

What did you learn from your survey?

see examples

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

#### **OUR UNANSWERED QUESTIONS**

see examples

Did you find out everything you wanted to know from your survey? What unanswered questions does your team still have?

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

#### **OUR RECOMMENDATIONS**

see examples

Based on the results of your survey, what action(s) might you take?

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Clicking "see examples" should create a separate window with examples discussions, unanswered questions and recommendations, which I will send to Don/Dan as an html file at a later point.



## Our Presentation

Hello Kitty status: Research Rookies

view as project request mentor feedback export presentation

## Our Topic kids names listed here

Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto vel an. Ferri eruditi at mea, duo amet ridens expetendis an.

#### The Purpose

Ad eam paulo aliquip complectitur, dolorum conven**A**e susciplantur an pro.

#### **Our Survey**

Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto vel an. Ferri eruditi at mea, duo amet ridens expetendis an. Nibh quaeque habemus sea ut, omittam probatus convenire per ne. Pri probo paulo quodsi ne

Click on a slide to add your presentation script to it.

#### Conjecture 1

Ferri eruditi at mea, duo amet ridens expetendis an.

#### Conjecture 2

Ferri eruditi at mea, duo amet ridens expetendis an.

#### Conjecture 3

Ad eam paulo aliquip complectitur, dolorum convenire susciplantur an pro. The number of slides shown on the page depends on the number of Research Questions, Conjectures and Data Plots, along with whether the kids include Unanswered Questions and Recommendations.

A large checkmark with the words
"Completely Mentor Approved" should
appear at the top of the page after
the mentor approved the whole
presentation

#### Our Data



#### Data Plot: Name of Plot



#### Data Plot: Name of Plot



Explanation: mazim possim perfecto vel an. Ferri eruditi at mea, duo.

#### Conclusions

Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto vel an. Ferri eruditi at mea, duo amet ridens expetendis an. Nibh quaeque habemus sea ut, omittam probatus convenire per ne. Pri probo paulo quodsi ne

#### Unanswered Questions

Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto vel an. Ferri eruditi at mea, duo amet ridens expetendis an. Nibh quaeque habemus sea ut, omittam probatus convenire per ne. Pri probo paulo quodsi ne

#### Recommendations

Nibh quaeque habemus sea ut, omittam probatus convenire per ne. Pri probo paulo quodsi ne If the kids do not add text to any of these two last slides, then no slide should appear for them.



# TEAM: Hello Kitty

**OUR PROJECT** TOOLS MESSAGE BOARD RESEARCH MENTOR Conjecture Graphs Tutorial Survey Research Questions Survey Selection Play a Game Axis Plots Check on Your Progress ■ Task List ■ Team Notes Presentation Progress Details Presentation in Progress



### **Get Started**

Go to your task list for today's session and get started!



## Messages

You have 8 new messages:

- . 1 reply from your mentor
- · 2 messages from other teams
- 5 requests for help



### Play a Game

Game 1 3 players need to complete level 2.

Game 3 Try out this new game.



# Check Your Progress

<u>Check your progress</u> from last week to see how close you are to the next level.

#### WORKSTATIONS

Not Signed In: Lorianna Geoff Consuelo

Abbreviation Look Up

Tiana

Game: QD

Kadeisha

Click on your name and drag it to a workstation.

Game: QD

Taylor Shana

Video: #2

Emily

Questions

Need 2 more players for Game: FPF Meghan Jade

Messages

Stephanie

Conj Graph

Jordan Anne

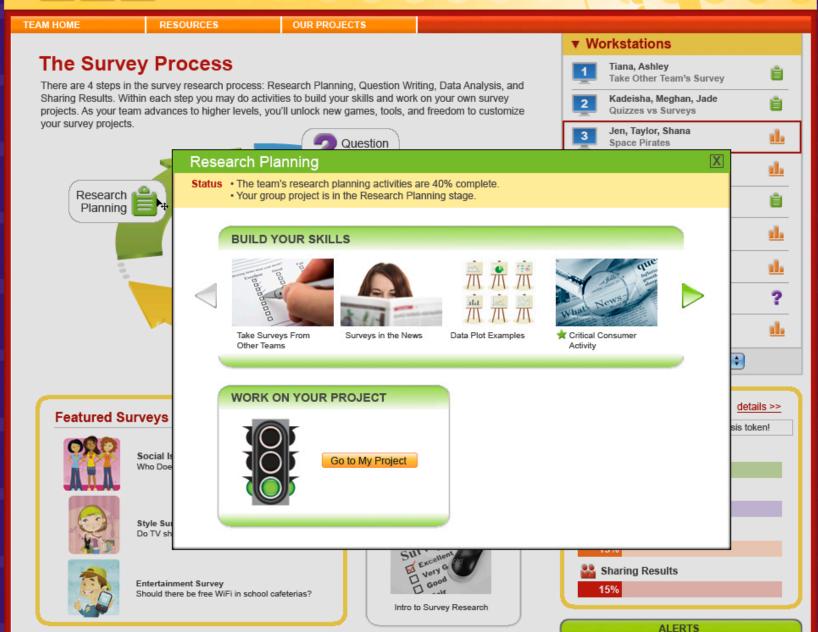
Conj Graph







Hello Kitty KSN Level 1



### KSN **Hello Kitty** Our Project Research Rookies - Our Topic All sections can be opened and closed with the "-" and "+" signed next to the subheading. Our Topic is <blah.> - Our Research Plan Question 1: Lorem ipsum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dicit congue ex, eu eos ludus zzril ponderum. These questions are important because: Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto vel an. Ferri eruditi at mea, duo amet ridens expetendis an. Nibh quaeque habemus sea ut, omittam probatus convenire per We will answer these questions by collecting data from: These questions are important because: Ad eam paulo aliquip complectitur, dolorum convenire suscipiantur an pro, mazim possim We will use this data to: These questions are important because: Ad eam paulo allquip complectitur, dolorum convenire suscipiantur an pro, mazim possim perfecto we lan. - Our Survey Number of Questions: here <Status: draft/waiting for peer feedback/waiting for mentor feedback.> - Our Conjectures Conjecture 1: Lorem josum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dicit congue ex, eu eos ludus zzril ponderum. Per ad iracundia maiestatis dissentias, tempor tritani tibique qui ad. Latine integre copiosae ei mea, ut vix eros bonorum dignissim, ea illud audiam quo, id sumo eirmod laoreet eum. liber simul diceret his ne. Conjecture 1: Lorem ipsum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dici congue ex eu eos ludus zaril ponderum. Per ad iracundia malestatis dissentias, tempor tritani tibique qui ad. Latine integre copiosa e ei mea, ut vixeros bonorum dignissim, ea illud audiam quo. Id sumo eirmod laoreet eum, liber simul diceret his ne. - Our Data Survey status: open Responses received: 2 - Our Analysis No plots yet. - Conclusions Lorem ipsum minim epicuri suavitate ea sit, pri pertinax antiopam no, sea eu explicari suscipiantur. Qui quas dicit congue ex, eu eos ludus zzril ponderum. Per ad iracundia maiestatis dissentias, tempor tritani tibique qui ad. Latine integre copiosae ei mea, ut vix eros bonorum dignissim, ea illud audiam quo. Id sumo eirmod laoreet eum, liber simul diceret his ne. + Unanswered Questions conclusions section + Recommendations is findings, unanswer, and reocmmendations + Mentor Feedback

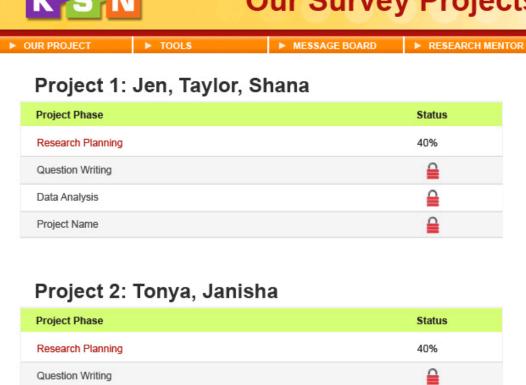
Mentorfeedback is in closed position. When opened, you se reedback or link to "request reedback"



Data Analysis

Project Name

# **Our Survey Projects**









# Wireframing Tools

- Mockingbird: <a href="http://gomockingbird.com">http://gomockingbird.com</a>
- Gliffy: <a href="http://www.gliffy.com">http://www.gliffy.com</a>
- Pidoco: https://pidoco.com/
- Axure http://axure.com

# Next week

- Reading 5, will be posted later today
- T3 due in one week.
- You should also be working on H4.