Professions App Project

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- Step 7 Produce Final

Step 1 Define the Problem

Parameters:

- Create 3 apps with user interfaces, one for computer, tablet, and mobile device (i.e. smart phones)
- Create an app for a life situation or profession
- Target at least 3 types of different people to use this app.

Questions:

- What are some things that can be incorporated into 3 apps to help people use technology in their professions or life situations?
- What platforms would this app best be designed for? Android or IOS?
- What should the target audience be for users to use this app?
- How simple or complex should this app be able to use and how effective will this app be to use?

Step 2 Brainstorm and Conduct Initial Research

Brainstorming:

Professions- Doctors, Lawyers, Teachers, Dentists, Accountants, Bus drivers, Assistants, Secretaries, Students, Research Analysts, Parents, Bank Teller, Judge, Store Owners

Ideas:

Doctors- patients, secretaries, assistants
Teachers- parents, students, tutors
Dentists- secretaries, patients, assistants
Bus Drivers- students, parents, dispatch
Store Managers- store associates, customers, inventory

Final Decision- Teacher, Students, Parents, Tutors
Purpose- To allow students do their homework on the computer, help parents
be involved with students academics, be able to schedule a tutor for help,
more teacher-parent interaction concerning students academics.

Step 2 Brainstorm and Conduct Initial Research cont'd



- http://www.scholastic.com/teachers/article/50-fabapps-teachers -article for apps that can be used by teachers
- http://www.edudemic.com/wdwdt-a-new-app-thatkeeps-teachers-students-parents-in-sync/ -article on WDWDT, app for teachers, students, and parents to be in sync
- School websites

Technology Affordances- touch screen, vibration, displays, camera, auto detection, gps, videos, voice recorder, sounds, lights, notifications

Step 2 Brainstorm and Conduct Initial Research cont'd

Visual Research-

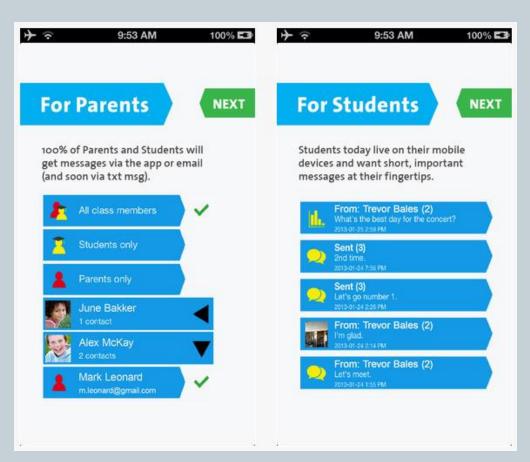




Login for NECAP	Sc	hool Administrator
project:	NECAP	
user name:	thoffmann	
password:	th1783ringo	
	login	

Step 2 Brainstorm and Conduct Initial Research cont'd

Visual Research-







Step 3 Choose Your Subject

For this project I will create interfaces for Teachers, Students, Parents and Tutors to be in reach of one another for the benefit of the Students academics.

Roles of the Platforms-

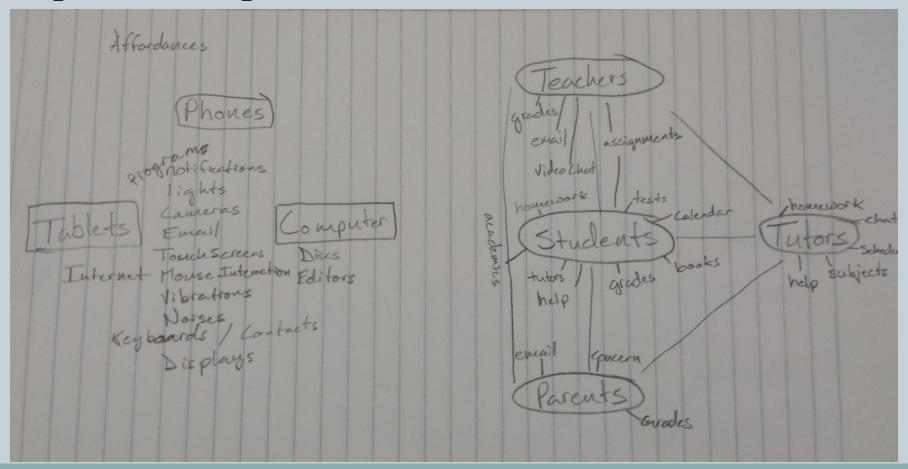
- Smartphone- it will be used for the parent to check notifications and get updates on how their students are doing on their school work and it will allow them to meet with the teacher and sign their son or daughter with a tutor. It will also be used for scheduling with the tutor and see their calendar.
- Tablet- this platform will help the teacher see the progress of their students and will be able to contact the students parents as well as check the grades of the students to see how they are keeping up with the assignments. It will also act as a way to upload homework for the students to work on.
- Desktop- this platform will aim mainly at the students as a place to complete their assignments, see their grades in subjects, email the professor or even video chat with the professors or tutors.

Target Audience- Students in Junior High, High School and College, Teachers/Professors of Junior High, High School and College, Tutors, and Parents of the students.

Things the app interface must do:

Login page, menus for each different person, schedule/calendar, assignments, grades, teachers list of students, list of subjects, tutors, email icon, video chat, submission of assignments, help icon, etc.

Explore Concepts-



Scenarios:

Teacher-Tablet

- a. Check the students grades to determine what parents need to be contact
- b. Email the parent of a student who is not doing good with their homework
- c. Add an assignment for students to complete for homework

Student-Computer

- a. Find homework that needs to be completed and submitted
- b. Schedule a tutor for help on your assignments
- c. Check your grades on previous assignments

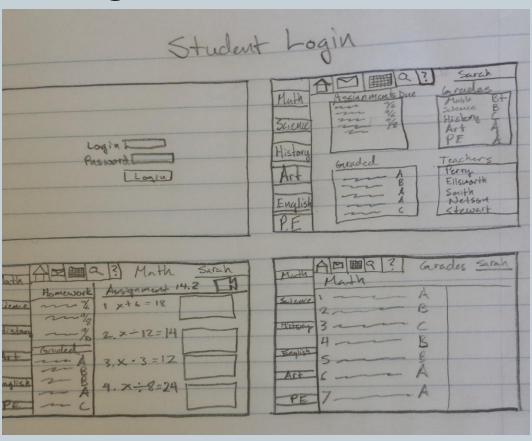
Parent-Cell Phone

- a. Email the teacher about an assignment that doesn't make sense
- b. Schedule a time to meet with a tutor to help child bring up grade
- c. Check your child's grades

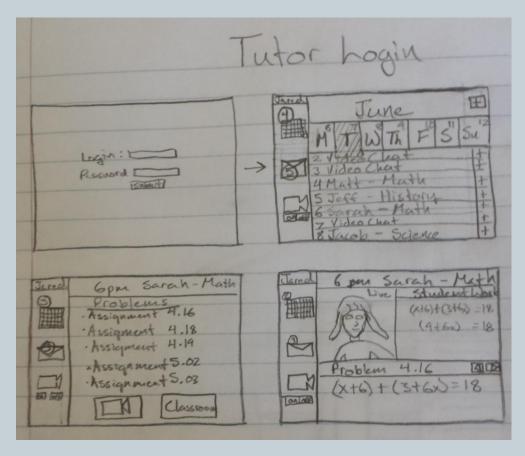
Tutor-Tablet

- a. Check your schedule for appointments
- b. Add an appointment to your calendar to help a student
- c. Video Chat with a student that needs your help

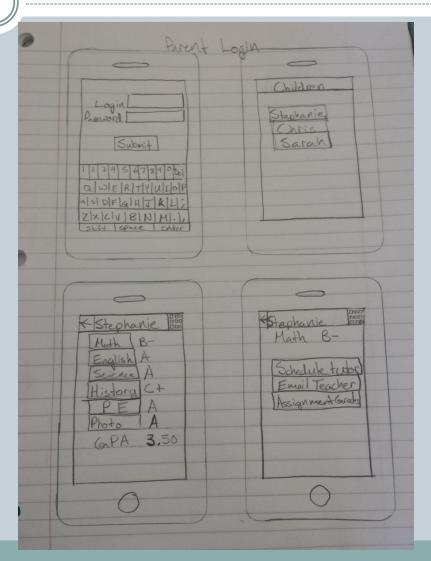
Usability Testing Sketches



Usability Testing Sketches



Usability Testing Sketches



Wireframes-

Wireframes			
Teacher	Student	Parent T	utor
assignments Caracles Classes Tests	Had condes classes turns		
Gradel Classes HW anizes Add HW Graded Iterasary Schedule	Quiza schedule Video	email student Tutor sulej Greedes Schedule Hi	ect Schedule Video Chat
Schedule e mail		Assignment	
Tablet	Computer	Cell Phone	Tablet
1, Classes	1. Classes	Student	Schedule
2. Students/Grades	Assignments Schedule	Grades/	Vide o/Studen
3. Assignments to be Graded	Grades	Jasses	
L). Schedule	tutor	Tutor	Subjects
5. Class Average			

Scenarios Refined:

Teacher-Tablet

- a. Check the students grades to determine what parents need to be contacted
- b. Add an assignment for students to complete for homework
- c. Check the schedule for up coming lessons to give to your classes
- d. Check for emails from students and faculty

Student-Computer

- a. Find homework that needs to be completed and submitted
- b. Schedule a video chat with a tutor for help on your history assignments
- c. Email the professor/ teacher about a problem on you homework assignment

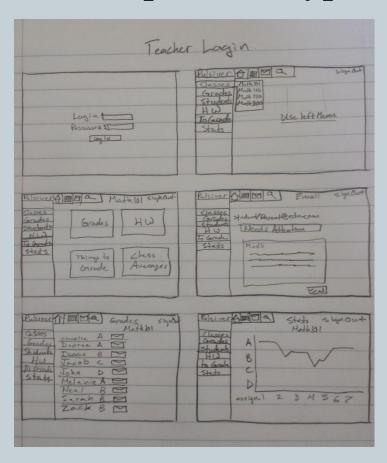
Parent-Cell Phone

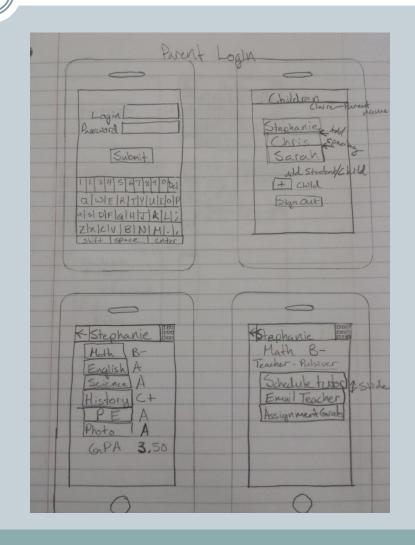
- a. Email the teacher to make an appointment to meet with them
- b. Schedule a time for your child to meet with a tutor to help them bring up their grade
- c. Check your child's grades

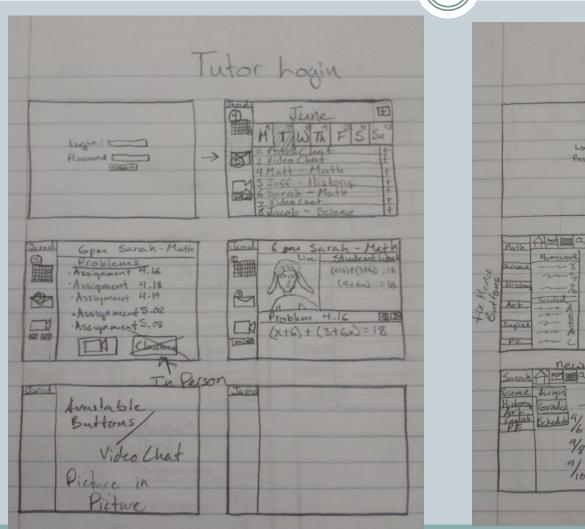
Tutor-Tablet

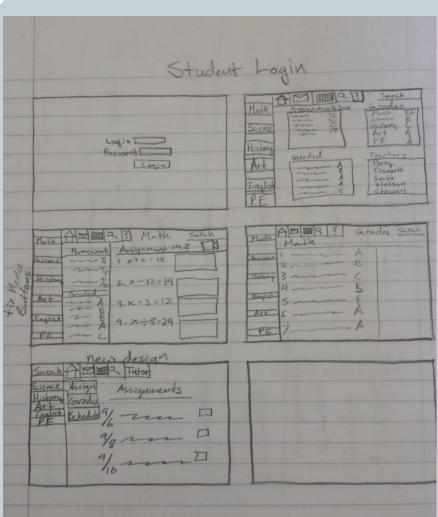
- a. Check your schedule for appointments
- b. Add an appointment to your calendar to help a student
- c. Video Chat with a student that needs your help

Refined Paper Prototypes









Notes from User Testing-

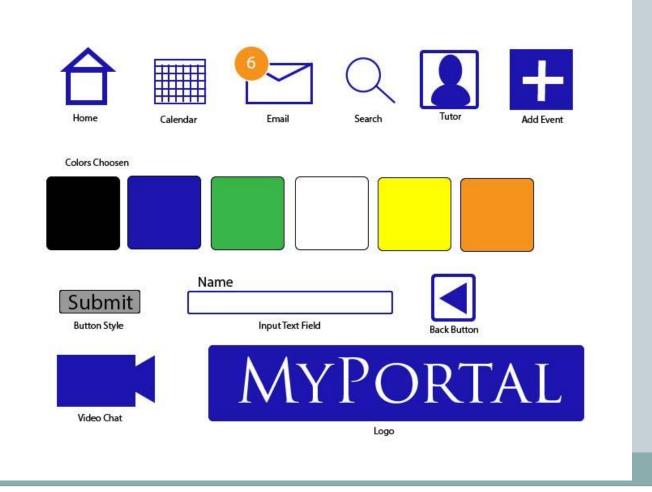
Teacher- Put the classes on the left and have pop out menu on the right of the left menu next to the list of classes

Parent- Space the lists further apart, add sign-out button, make a button to add children to the list

Student- Eliminate the spacing on the left classes menu, Change some of the top icons, make email and tutor schedule easier, keep design simple, add sign-out button

Tutor- Add sign-out button, make video have available options, open tutor times, Video needs to have picture in picture, in-class or video tutoring options.

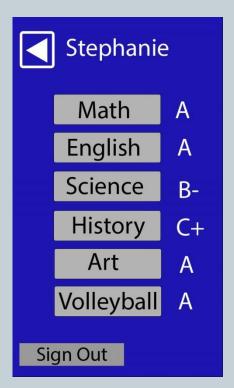
Branding and Style tiles:

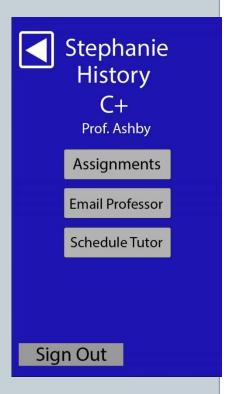


Digital Prototypes: Parent (Platform-iphone)









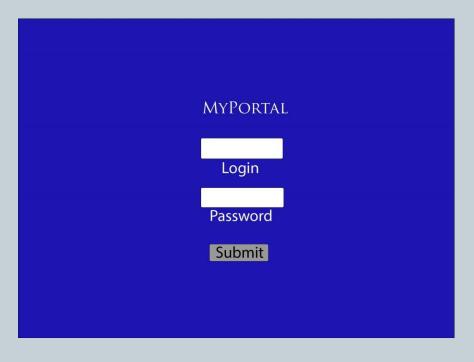
Digital Prototypes: Parent (Platform-iphone)

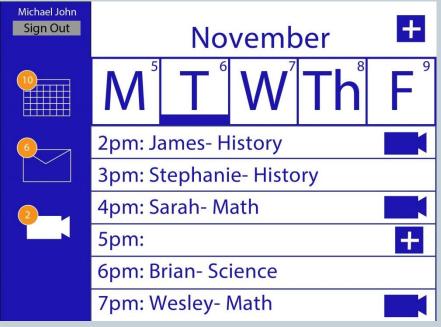






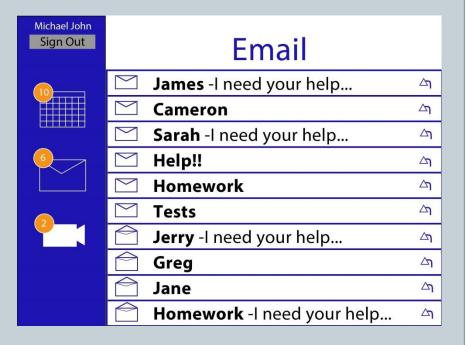
Digital Prototypes: Tutor (Platform- Ipad)



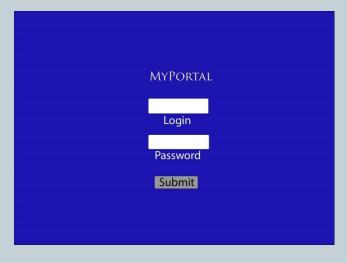


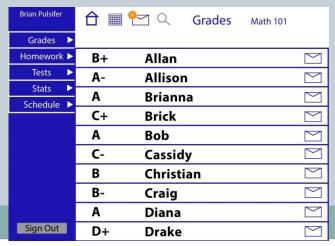
Digital Prototypes: Tutor (Platform- Ipad)

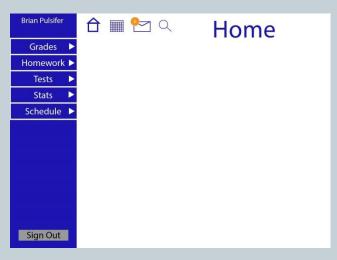


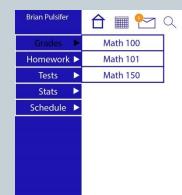


Digital Prototypes: Teacher (Platform- Ipad)

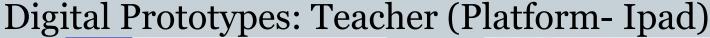


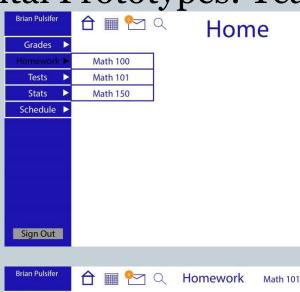


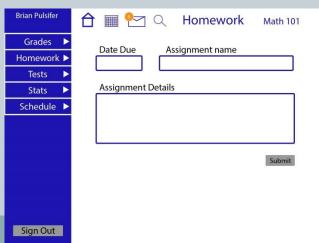




Home



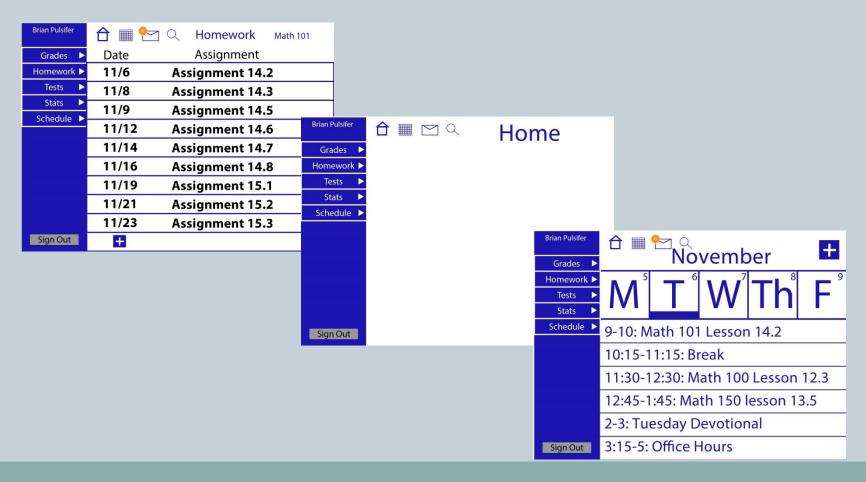


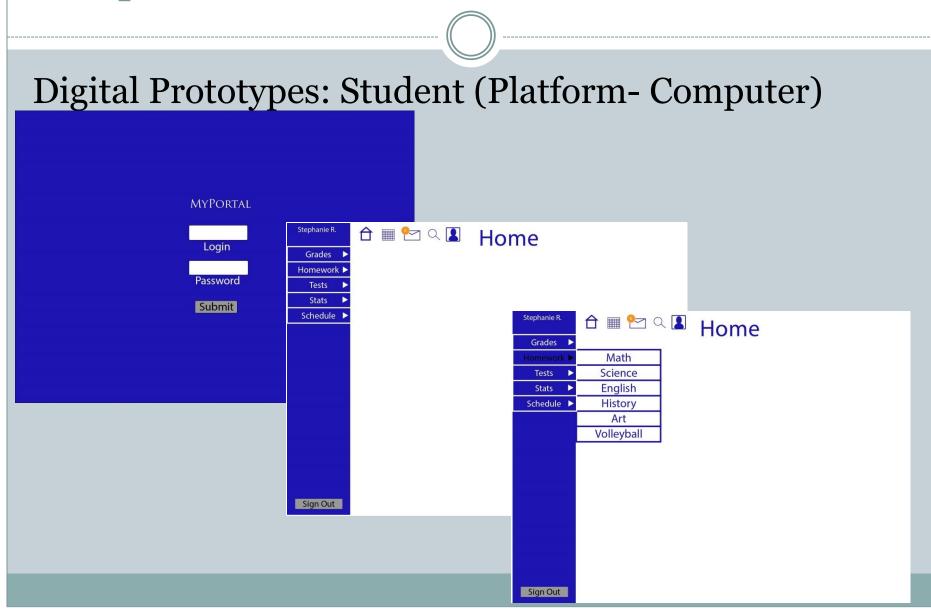


Idelo		-paa)
Brian Pulsifer	☆ ■ *	☐ Q Homework Math 101
Grades ►	Date	Assignment
Homework ▶	11/6	Assignment 14.2
Tests >	11/8	Assignment 14.3
Stats >	11/9	Assignment 14.5
Schedule >		
1	11/12	Assignment 14.6
	11/14	Assignment 14.7
	11/16	Assignment 14.8
	11/19	Assignment 15.1
	11/21	Assignment 15.2
	+	
Sign Out	+	

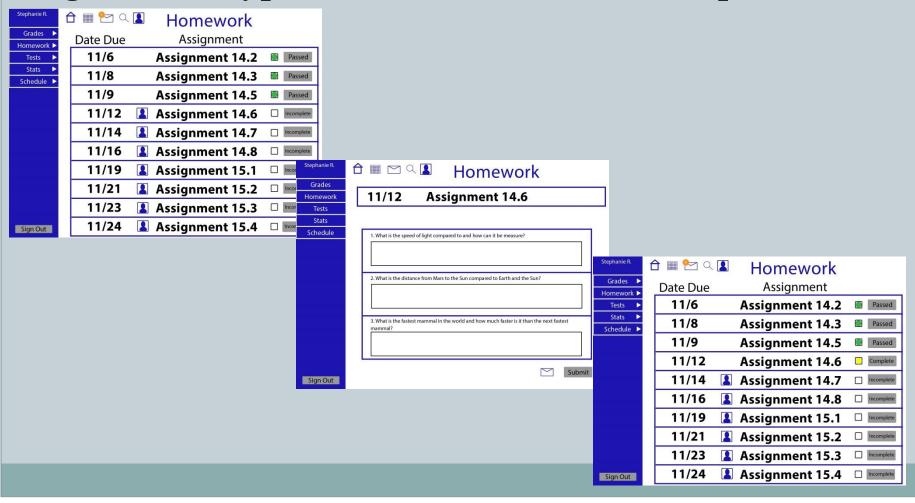
Brian Pulsifer	☆ ■ *] Q Homework Math 101
Grades ►	Date	Assignment
Homework ▶	11/6	Assignment 14.2
Tests ▶	11/8	Assignment 14.3
Stats	11/9	Assignment 14.5
Schedule >	11/12	Assignment 14.6
	11/14	Assignment 14.7
	11/16	Assignment 14.8
	11/19	Assignment 15.1
	11/21	Assignment 15.2
	11/23	Assignment 15.3
Sign Out	+	

Digital Prototypes: Teacher (Platform- Ipad)

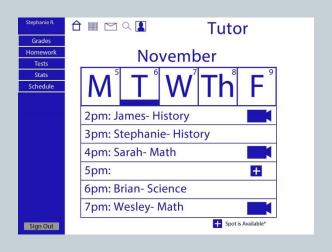


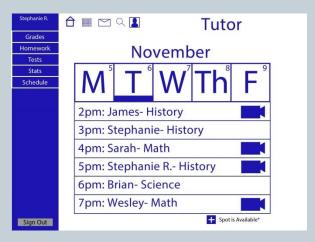


Digital Prototypes: Student (Platform- Computer)



Digital Prototypes: Student (Platform- Computer)





Stephanie R.		Tutor
Grades		
Homework		
Tests	Subject Name	
Stats		
Schedule		
Sign Out	Assignments needing hel	Submit

Stephanie R.	A = 0 E	
Stephanie ie		Email
Grades		
Homework		
Tests	Subject	Email
Stats		pulsifer@school.edu
Schedule		***************************************
	Message	Submit Submit and Return
Sign Out		

Step 7 Presentation

Links to Prototypes in InVision.com:

Teacher: http://invis.io/BE13EHK6R

Tutor: http://invis.io/Y313EGUAC

Parent: http://invis.io/XK13E8PA3

Student: http://invis.io/2713F2JJC Images maybe

oversized.

Step 7 Presentation Cont'd

Goals:

- Keep the design simple
- Have repetition in the designs between templates
- Use symbols instead of words
- User test the heck out of it
- Develop in the lines of the scenarios
- Use hidden menus to navigate
- Use limited fonts and colors in the design

User Test Changes:

- Menus were changed
- Backgrounds needed to have less color/ better contrast
- Button colors and shades changed
- Symbols and Branding had to be changed to accommodate desire action
- Sizes had to be different to accommodate between platforms
- Menus had to be simple
- Information to be displayed had to be changed
- Each platform had it's own difficulties one between another

Step 7 Presentation Cont'd

Conclusion:

In the duration that I have put this project together there were many factors that surprised me when designing and testing my interfaces over time. I found that this interface was the most simple out of all the projects that I have done in the past and the user testing was easy to explore and navigate and I realized how many conventions we have become used to with everything that we use on our smart devices.

For this project affordances and signifiers played big roles. This is because I decided to use limited amount of information to perform the tasks of the created scenarios. Some big challenges that I had were creating symbols that take shape of what the symbol button should do and where it should take you in the user interfaces. For most of this project I decided to stick close to the scenarios created in the beginning of this project and from the user testing I noticed that most everyone was able to accomplish the task either from the Home screen or from the last scenario ended.

The hidden menus were more idealistic rather than having a long list of items to choose from because it narrowed the searching down to small portions which the users enjoyed. The idea of having the same login interface between platforms was idea. I found that everyone uses a different login and through their own personal login they could access the item specified to them. Some allowed limited information such as the tutors and the parents while more information was able to be accessed through the student and teacher accounts.

I found that my app does help all the users perform the things that they want to see in an app that brings the students, teachers, parents, and tutors together for the benefit of the students good academics. I believe that if this were a real app that more people would use it for it's ability to be so versatile and likable between everyone that would use it.

Step 7 Presentation Cont'd

