

ECPRE 491 - sdmay19-40

Weekly Report 8

11/24/2018 - 11/29/2018

Client: IBM Call For Code

Faculty Advisor: Diane Rover

Team Members:

David Boschwitz - Team Lead

Caleb Nash - Lead Frontend, Maps Guy

Justin Kaufer - Research & QA

Austin Keen - Designer & User Experience Lead

Bobby Schedler - Lead Backend

Logan Fladung - Subject Matter Expert & Graphics

Past Week Accomplishments:

Caleb Nash - Continued with maps

This week I worked on the maps part further. Working with the Google Maps API is making some things easier that they would be without the API, and I will continue to research more about what Google can do for this project in terms of their maps. There have been some bugs with the code that have taken me awhile to fix, but I have finally moved past them and begun to test on my phone.

David Boschwitz - Discussions about final project plans/Finalization of Semester Work

I continued work on creating designs for the high level of our app, and orchestrating research and design between our feature teams. This work focused on feasibility and compatibility. I have done this by emphasizing abstraction in our design.

I worked on compiling information from our expert interviews and began next steps for further research, diving deep into the expert recommendations. Namely I have started the onboarding process to become a registered Red Cross volunteer so I have access to the resources they use.

Robert Schedler - Started code interfaced for back end networking.

The back end interface will be used to pass information from the internal DB and the Server. This is important because all aspect of the application will rely on this portion of the project, so we need to get started on this before we get to far on other portions of the project.

Austin Keen - Further XAML Research and UI/UX Focus Group Questions

This week I focused on learning how to develop in XAML for mobile applications. I have learned many of the basics and should be able to get the blueprints for our application's design started up soon. Because it was Thanksgiving break and our team was separated, I was unable to meet with Caleb to talk about the Map API, so that will be tabled for next week. I have also begun doing a XAML tutorial to better understand the basics, and will continue this into next week. To finish my XAML research, I will need to figure out how to display the API for the map.

As for the UI/UX focus group questions, I have come up with:

1. What Kind Of Applications Do You Find Easy To Navigate?
2. Is The Color Palette Easy On The Eyes? (Are The Colors Distracting At All?)
3. Is The Design Of The Application Easy To Navigate?
4. Is The Design Too Busy? (Is There Too Much Going On, On Each Page?)
5. What Aspects Should Be Changed and Why?
6. Is there Too Little Going On? (Are We Doing Too Much?)

I will need to meet with Justin to finish up these questions and better word them for non-technical focus group members.

Logan Fladung - Interview Evaluation and News Feature

I had successful interviews with two Red Cross employees that gave us a lot of insight into the process of natural disaster relief. We sat down as a team and looked over the initial notes. I looked into the News feature and changed the idea from a News API to something controlled by Red Cross or some form of law enforcement.

Justin Kaufer - User Feedback Model & Maps Framework

I set up the our process for getting user feedback using a combination of surveys and tasks. Once a feature prototype is complete we will be able to implement this to get feedback, and make changes accordingly. Our app is really user needs based and focused on user experience, so this will really come in handy once we complete some prototypes.

I also did a little bit more work on the maps framework. I focused on creating the user stories which translate into the technical features within the application. We want to have a skeleton finished before the semester so we can really work on coding 2nd semester.

Pending Issues

There are no pending issues

Individual Contributions

| Team Member | Contribution | Weekly Hours | Total Hours |
|-----------------|---|--------------|-------------|
| Caleb Nash | Location App | 5 | 37 |
| Justin Kaufer | User feedback model Maps framework | 4 | 33 |
| David Boschwitz | Core/Mesh/Database Prototyping Component Design User Research/Expert Interviews | 3 | 40 |
| Logan Fladung | News API Research Interview Protocol Development | 4 | 30 |
| Austin Keen | Further XAML Research UI/UX Focus Group Questions | 5 | 36 |
| Robert Schedler | Networking backend | 4 | 32 |

Plans for Coming Week

David Boschwitz - Continue current work

I will continue to emphasize finalizing design work for the semester. I will continue to pursue research based on what we learned from user interviews including finishing signing up for the Red Cross volunteer program. I will begin work to orchestrate finalizing all documentation for the semester for our final presentation.

Caleb Nash - Work with Austin on map design

This week I plan to take a break from the usual software development I have been doing and work with Austin on map design and how we want the whole process to look. This is a very important step that we as a team have been focusing on for the entire duration of our project so we will make sure to take our time with this part.

Robert Schedler - Back end development

I plan on to continue to work on the back end of the app for the foreseeable future as well as prepare for our presentation .

Austin Keen - Finish XAML Tutorials, Final Initial Mockups, and Finalize Questions For UI/UX Focus Groups

I will be finishing the XAML tutorial this week, and finish drawing up the exact UI/UX designs for our application. I will also be meeting with Justin to perfect and add more UI/UX focus group questions. After all of this, I will have a good picture of where to begin next semester with developing the UI for our application.

Logan Fladung- Construct interface for News feature

I plan on implementing a skeleton structure for the News feature so that once the next semester begins we already have an outline of the functions and gives us time for review and finalization. Additionally I'll discuss with the team about the results of the interviews and how we'll use those to shape our design.

Justin Kaufer - UI/UX Focus Groups, Documentation for the end of the semester

I will plan on working with Austin and Caleb to try and mock up a good test for a focus group. This is dependent on having the full stack done for a feature prototype. With the end of the semester coming up we have the final presentation and documentations, so those will be a big focus for the entire group.