

## ECPRE 491 - sdmay19-40

Weekly Report 3

10/3/2018 - 10/17/2018

Client: IBM Call For Code

Faculty Advisor: Diane Rover

### Team Members:

David Boschwitz - Team Lead

Caleb Nash - Lead Frontend

Justin Kaufer - Research & Testing

Austin Keen - Designer & User Experience Expert

Bobby Schedler - Lead Backend

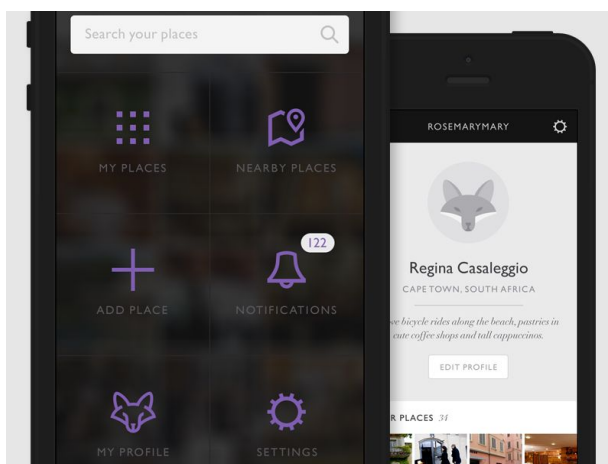
Logan Fladung - Subject Matter Expert & Graphics

### Past Week Accomplishments:

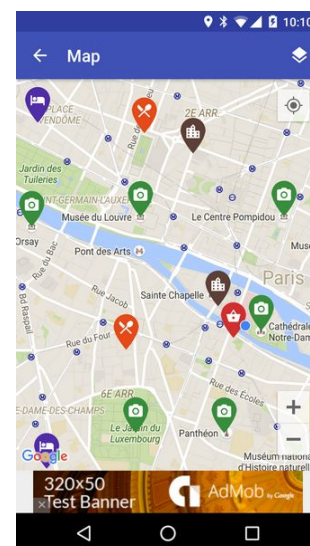
UI/UX Research & Planning - Austin

- Research

Menu and Home Page



Map Page



- Planning
  - Home Page
    - News Info.
      - Natural Disaster Information and Updates
    - App Info.
      - New pins dropped nearby
  - Menu
    - Big Images w/ Universal Meaning

- Image w/ wording below will direct you to specific map or page
  - Easy for anyone to navigate
- Maps
  - Map with pins for specified locations
- Pages
  - List of information regarding the page that's clicked

### User Needs Diagram - Justin

- Redesigned user needs document to better reflect a need as opposed to a solution
- Received feedback from Dr. Rover but looking for additional/ finalization from a meeting with Nick
  - Will look towards converting to user stories then features

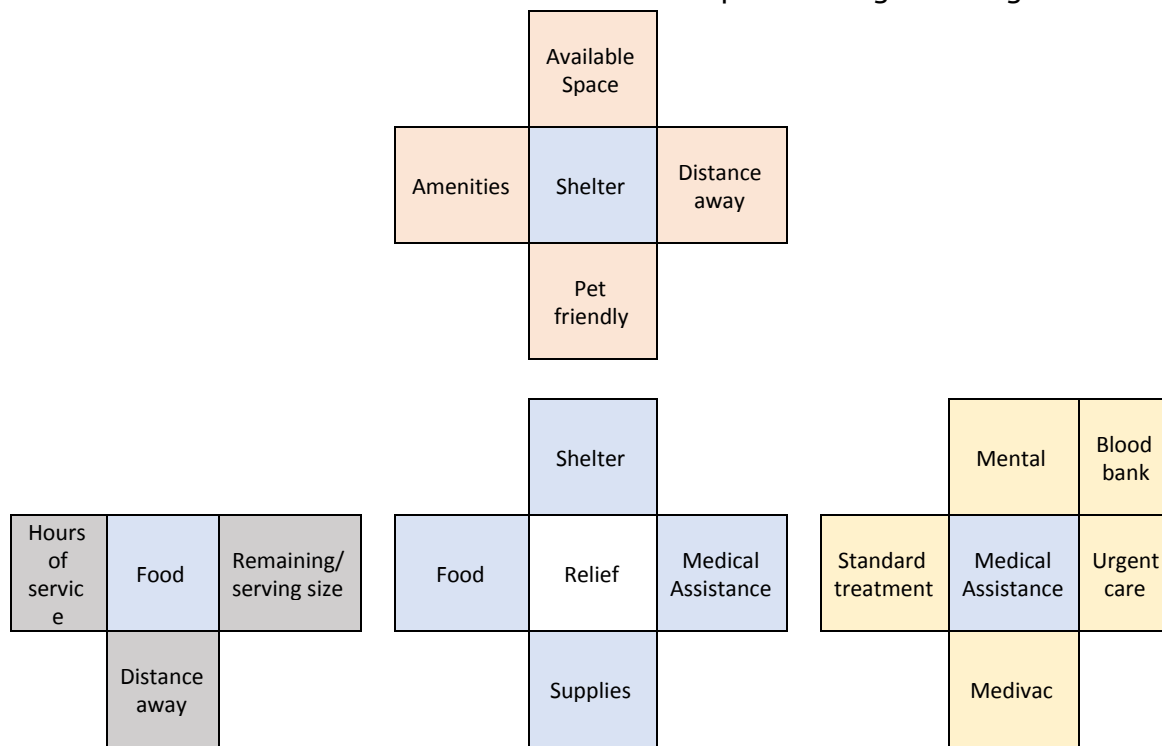
### Wifi Direct - Robert

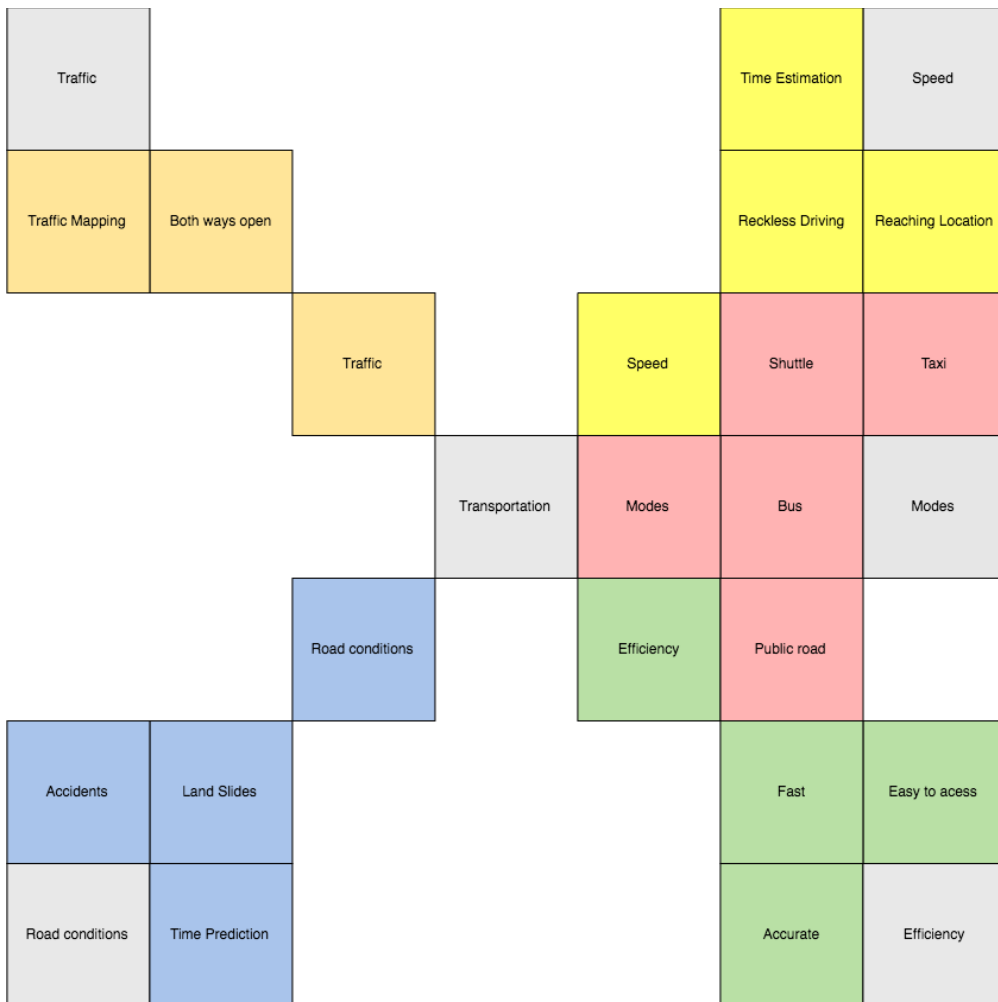
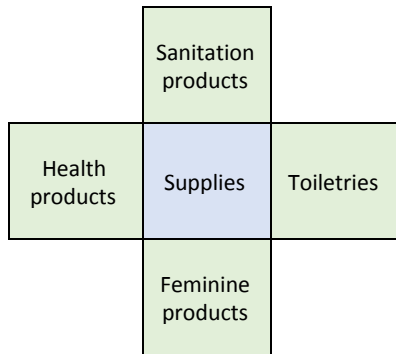
- Xmaian has P2p built in on Android, possibly not Iphone.
- We need to have a meeting to discuss how our project will be built. Because it could define what is and isn't possible.

<https://developer.xamarin.com/api/namespace/Android.Net.Wifi.P2p/>

### Lotus Blossoms - Justin, Robert and Austin

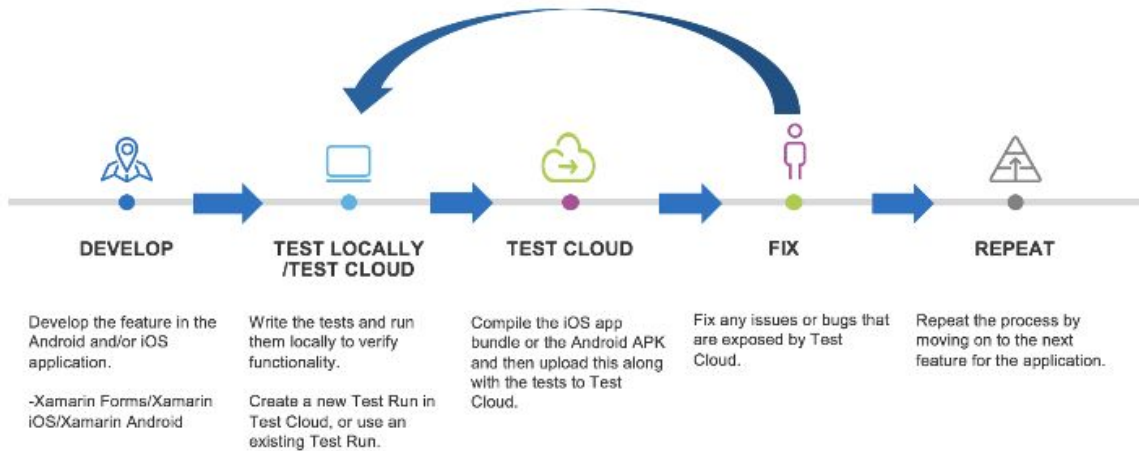
- First brainstormed and listed all relief needs and things associated with them
- Then converted into a lotus blossom which is part of design thinking method





## Test Planning with Xamarin - Caleb

- Researched some automated cloud testing solutions that our team can implement later downstream within our development and testing process.



- Explored different black box testing solutions to the following test cases:
  - Unit tests
    - Simple, standalone, automated tests to ensure various application functionalities.
  - Integration tests
    - More robust tests to ensure that various functions will be able to communicate with each other.
  - System tests
    - Even more robust tests to ensure that the whole application will work on various operating systems.
    - This will most likely include some sort of regression testing as well.

## Rescheduled w/ Nick - David and Justin

- Rescheduled meetings with our grad advisor Nick

## Design Document & Miscellaneous Tasks

- Design Document - Everyone
  - <https://sdmay19-40.sd.ece.iastate.edu/docs.html>

## Pending Issues

None at the moment

## Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Caleb Nash	Evacuation Analysis Research	4	12
Justin Kaufer	Earthquake Research User Needs Diagram Lotus Blossom	3	10
David Boschwitz	Yosemite Wildfires Research Repository Initialization Project Plan Contributions Team Photos	5	9
Logan Fladung	Analyze team member research and study tornado relief strategies	3	7
Austin Keen	UX/UI Design Research & Planning, Relief Lotus Blossoms	5	13
Robert Schedler	Indonesia Tsunami aid Research	3	10

## Plans for Coming Week

- Draw out UI/UX reqs - Austin
- User Needs - Justin
  - Create lotus blossoms for all needs
  - Focus more on needs than solutions
  - find any experts on natural disaster response teams
- Website needs content - David
- Next week meeting - Everyone
  - Dev team discusses Admin/Communication/Expectations
  - Short presentation with Team lead's ideas
- Reach out to Nick about getting his help with user requirements
- Research Xamarin test solutions - Caleb