**Capstone Team 48 Google Doc**

**I494 Capstone Project**

**Proposal Template**

**Project Title: FindMe**

**Team Name: The Jackson 4**

**Team Members:**

1. **For each team member, please give their name, cognate, skill sets, and why each cares about this project**
   1. **Jack Sills - Media cognate HCI minor, have worked in android studio and worked on designing an app last year. I care about this project because I think that it is something that can not only help people with their everyday life, but it can also help people find others in a time of need.**
   2. **Blake Bowdoin - Security cognate/minor, base level security knowledge and understanding, as well as basic knowledge of C programming and Python programming. The reasons I care about this project is because I think it is extremely useful at big events and small gatherings in which it could help make situations in which friends are trying to find each other a lot easier and safer.**
   3. **Joel Shellabarger - Business cognate/minor and financial literacy minor. Basic coding skill set but eager to learn more as well as an extensive business background. I have been in multiple situations where I have needed a way of finding a friend or family member when we couldn't just describe what we see. While iPhone has this capability, as an Android user this feature would be incredibly useful.**
   4. **Elliott Burkett - Business Cognate, My skill set is more Business based, I have worked in sales, and customer service for over 10 years, and currently manage a lumber yard. My experience comes from a marketing and sales background My computing background is only the required classes for an Informatics degree. I care about this project because I have had this idea in the back of my mind for a couple of years, but never had the knowledge to push forward with it. I also think that this application could be very useful to the general public.**
2. **Roles: what member(s) will be responsible for each of the following roles (as is applicable to your project):**
   * **Researching the problem- Elliott, Jack**
   * **Researching the solution- Elliott, Joel**
   * **Designing the user interface- Elliott, Jack**
   * **Coding the logic- Blake, Joel, Jack**
   * **Managing the database- Blake, Joel**
   * **Documenting your work- Everyone**
   * **Status reporting- Blake**
   * **Testing- Everyone**
   * **Assigning tasks- Elliott**
3. **What specific training needs will you have to fulfill in order to fill these roles effectively?**
   1. **Learn coding in Android studio, Learn Google API.**
   2. **We will learn time management to complete task on time**
   3. **Learning development skills and design work for Android**
   4. **Licensing and approval for GPS part of app**
   5. **Learning about security of information from database (names, usernames, passwords, email, etc)**
   6. **Become proficient in using GitHub**

**Problem Statement:**

1. **What is the problem that you want to solve? (1-2 paragraphs)**
   * **What group of people are going to benefit from your solution**

**All android users will benefit from our application because it will help them find their friend, or group of friends. There will be no more trying to text locations to other people. Our app will make the process of finding each other or people in your group more streamline.**

1. **Why is this an important problem (1-2 paragraphs)**
   * **Why would a business buy a solution to this problem?**
   * **What good things will come from your solution; what bad things won’t happen as a result of your solution.**

**A business could be interested in our solution because it would be the most secure location sharing application. Other location sharing apps either show your location consistently or to all of your friends. Our app will be able to connect a group of people in a crowded or unfamiliar place. We could prevent situations such as being abducted or lost and unconscious by having their locations shared with their friends. Our application would allow only people you have confirmed to see where you are.**

**Project Description:**

1. **What is your proposed solution (1-2 paragraphs)**
   * **Briefly describe your solution to the problem.**
   * **How does your solution address the problem?**
   * **How will you implement your solution?**
   * **Are there any similar solutions out there? If so, what makes your solution better or different than existing technologies?**

**Solution is to make location available only to those who are sent user's access code, access code only works for a specified period of time. By making location available only for a specified period of time, once that time is up, user's location is no longer accessible to those with sent code, preventing those who somehow get users access code (through nefarious means) from seeing where they are and doing something bad to them. We will implement our solution through an app on the Android platform that will be much like Apple's Send My Location, this is because Android currently does not have a similar built in feature. App will create random user code, which will then be sent by user's discretion to other users. There are similar solutions currently available for Android, many popular apps include a feature similar to Apple's current feature. However our solution is different in the fact that, while like other apps users location is only sent to specified people, user can have to option to have their location accessible 24/7 to only those who are on their friends list. App will also have the feature of creating groups, in which only members of that group can see other members locations. This, combined with the random access code feature, creates a much safer alternative to current solutions.**

**Client (if you have one): None**

**URL for the survey**

<https://www.surveymonkey.com/r/?sm=aqTRZBSH9nFvV5ALVBZeew_3D_3D>

**Team Research Report**

Elliott Burkett

Jackson Sills

Blake Bowdoin

Joel Shellabarger

* **Business Case (Elliott)**

The application that we build is a solution to all android users who struggle with directions. Our app will help all groups of people that want to know each other's locations, or those one on one searches, when you need to pick a friend up from a party or unfamiliar place. Our app is being developed because we believe that their is a value in streamlining this type of transaction. For example, I am with a group of friends for a bachelor party, in an unfamiliar town or location. We make a group that allows everyone with access the ability to find each other through our gps location services application. This keeps every in the group safe, because all of their other friends can know where they are at all times. Our application being able to find one friend, and get a gps location is what the current marketplace already has, but adding the features of groups and limited time location access is what will allow our app to be successful.

Our solution for gps tracking and location services is the best service because it can be used by all. This also allows us to create a revenue stream. Our application is going to have advertising space that can be bought just like any other free application. What makes us better than the competition is that once the free version is out, we can create a premium version, an updated version that allows users to give a passcode to another users that expires from a specified time duration. This would be a great addition to our app because it could be use in many different applications. An uber driver picking up a client, a delivery servicemen dropping of something to a customer, a football team that once to know where everyone is, etc. This app could become very powerful once it is off the ground and through the beta stage.

After reviewing our primary research, most potential users were concerned with their security. Some of our older potential users thought it could be "creepy" to know where others were, where those users that were our age didn't mind if others knew where they were because most of the realized that apps like google, snapchat, and others are view their locations all of the time. Another primary source liked the idea of our app, saying they had never heard of anything like it before. They didn't like the idea of having a group, but loved the idea of businesses and restaurants being able to locate them through our app. More revenue can be made with sponsorships of the restaurants that want to use our app in a professional setting.

Our research shows that our app can be a success, when implementing all of the features that we have displayed. Many of our surveyors wanted to be able to communicate with those in their group, or with that one person through a private messaging system integrated into the app. They thought it to be tedious if that had to communicate the regular sms messaging through their phone.

Other applications are similar to ours with having friends, and being able to find them. Where our app stands out, is that it can be used in a professional setting, a one-on-one setting, a group, and with time limited tracking. All of those in one app is why our application will be successful.

* **Platform (Blake)**
* What platform are you using? Why are you using the chosen platform? Are there modifiable open source solutions available? What hardware (if any) will be used?
* We are using the Android Operating System for our application, this is because our solution currently exists in many forms on competing Operating Systems but not Android OS in the form we plan on making it.
* There are currently a few open source solutions similar to ours available, these include: Lokki(lokki citation), and MIT's Hypertrack(hypertrack github source).
* While there are other open source GPS tracking apps available, they do not have the functionality proposed in our solution that make them a market substitute for ours. No hardware is required for our app besides a phone or emulator.

**Competing Technologies (Blake)**

* What competing technologies are out there? How is your solution better or different? What features do competing solutions have?(a matrix would work well
* here to show the relative features/costs/options/etc)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Basic GPS Tracking | Can send your location to another user | Ability to join groups, only other members can see your location | Ability to make your location visible for specified period of time | Cost | Activity Tracking/Location History | Search Nearby Attractions |
| Our Solution | Yes | Yes | Yes | Yes | Free | No | No |
| Lokki | Yes | Yes | No | No | Free | No | No |
| Hypertrack | Yes | Yes | No | No | Free | Yes | No |
| Google Maps | Yes | Yes | No | No | Free | Yes | Yes |

* **Features of your solution (Jack)**
  + Features to include
    - One on one location sharing via toggle switch - A user would be able to create a group that includes only one other person so the location is only shared with them.
    - One to many location sharing via toggle switch - A user would create a group with as many people as they wanted and would be able to share their location with all of them at once.
    - Ability to show or hide your location at any time in whichever group. - This is possible by having a toggle switch that enables and disables the user’s location
    - Contact list of people that you have grouped within the past - This will make it much easier to make a group on the fly whether it be right before you enter the theme park or before you head out to the bars for the night.
    - (Ambitious feature) ability to send location to another user that can only be viewed for a certain amount of time. - This would be used for our emergency feature as well as a way to show your delivery driver exactly where you are or your uber driver what exit you are leaving the stadium.

For our primary research we made a survey and asked questions about if people were allowing their locations to be shared via app currently as well as if that would be of interest to them to be able to do so in the future. In addition, we asked about if they ever had a hard time finding their friends/ families or if they get lost. These types of questions seemed to do quiet well at showing us the need for our solution.

As far as interest in the app goes, 83% of people currently allow their GPS functions to run in other apps, an alarming 100% of people said that they would like to use it for finding their friends or families. When it came to if people ever get lost, 70% of respondents said that it has happened to them. When asking about major concerns or worries they had with a location sharing Android app we found that almost all answers were about forgetting to turn it off, or people being able to find them when they don’t want to be found, and even people who were worried about their location falling into the hands of someone whom they didn’t want. For these issues our solution is based on these concerns, by offering the toggle switch it is entirely up to the user as to when they are on the map and when they are not all with the flip of a switch. This is something that will make or break our solution as a whole because it is something that is a concern for everyone including us.

**Feasibility (Joel)**

* Does all of the technology needed for the solution currently exist? Do you have access to it? How difficult will it be to learn? Is there a coThe survey also provided great ideas for additional features that we would love to add to to our product including an emergency button that could quickly share your location with the authorities in case you are lost and need help. This could be especially useful when you are in a foreign place or if you are in the middle of a large park or campus and don’t know what landmarks are near you. Overall our survey showed us that there is definitely a problem that needs a solution as well as additional ways we could make it even better.
* st associated with any technologies used? Is any licensing required? How will the initial dataset be created (i.e. who inputs/creates the system data) and how will system data be sustained?

All of the technologies required to create our Android application currently exist. We plan on using Android Studio for the majority of the programming. We will also need access to the Location Services API and the Google Maps Android API in order to determine the phone's precise location and display it on a map. There is no cost to use these technologies however we will need to do some more research on how to access and apply them. We plan on each using Udacity's free courses to understand the ins and outs of Android Studio. There will be very little data stored besides system settings, login information, as well as basic personal details.

**Risks (Joel)**

* What potential problems could exist? How might these risks be mitigated? Are there legal, ethical, or social ramifications? Is confidential data being stored, and if so are there privacy concerns?

A few potential problems include having unwanted people accessing somebody's location without their knowledge along with unknowingly leaving your location on for an extended period of time. We do not want our users to worry about who can see where they are at any given time. Our solution to having unwanted persons tracking somebody's location is to use a security code along with invitations to access the group. If the user leaves their location active for a designated period of time, then a push notification can be sent to make the user aware of the situation. There is very little need for confidential information. The locations are not stored in the database, however names and phone numbers will be.

* **Team Composition (Jack)**

For our project everyone in the group needs to learn the ins and outs of Android Studio to ensure that when we are constructing the app we will all be able to hold our own and when a larger issue arises we will be able to attack it with more than one person. In addition to this we will need to learn Google’s API for adding the location feature to the app. Aside from those two big training tasks, every group member has a base knowledge in databasing as well as some of the members who have extensive knowledge in security, business, or design. Our team has a clear image of what is required for the completion of this solution, despite not having worked together as a team, we communicate very well and all have the same solution for the problem in mind.

**Client (If applicable)**

* Do you have a client for the project? If so, who is it? Are there any client issues that might impact the project - i.e. distance, time schedule, communication, etc.?

**Bibliography**

Open source apps similar to ours:

-<http://lokkiapp.com/>

“What Is Lokki?” *Lokki - Location Sharing Application*, lokkiapp.com/.

-<https://github.com/hypertrack/hypertrack-live-android>

Hypertrack. “Hypertrack/Hypertrack-Live-Android.” *GitHub*, 24 Sept. 2017, github.com/hypertrack/hypertrack-live-android.

API Info

-<https://developer.android.com/guide/topics/location/index.html>

“Location and Maps.” *Android Developers*, 29 Aug. 2017, developer.android.com/guide/topics/location/index.html.

Survey tool

-<https://www.surveymonkey.com/r/5HYWY5C>

“FindMe.” *FindMe Survey*, www.surveymonkey.com/r/5HYWY5C.

Burkett, Elliott D, and Jeanne Mcmahon. “FindMe Interview.” 15 Sept. 2017.

<https://www.cnet.com/news/location-tracking-apps/>

Webster, Scott. “Four Ways to Share Your Exact Location with Family (and Why).” *CNET*, 9 Feb. 2016, www.cnet.com/news/location-tracking-apps/.

<https://www.lifewire.com/top-best-location-sharing-apps-3485922>

Moreau, Elise. “Location Sharing Apps That Are Actually Pretty Useful.” *Lifewire*, www.lifewire.com/top-best-location-sharing-apps-3485922.

**Team Prioritized Feature List**

Sign-Up system-High

Log-In system-High

Create Group-High

Join Group-High

View Group-High

View Map-High

Toggle Location-High

Add Friends-Medium

Leave Group-Medium

Delete Group-Medium

Change Settings-Low

Group Message/Direct Message -Low

Limited Time Access Code-Low

ETA-Low

**Use Cases #1**

|  |  |
| --- | --- |
| **Primary Actor** | **Use Cases** |
| **User(s)** | **1. Create Account**  **2. Log into Account**  **3. Logout of Account**  **4. Add Friend(s) to a group**  **5. View Map**  **6. Toggle Location**  **7. Alter Settings**  **8. Delete Group**  **9. Leave Group**  **10. Direct message group/other user**  **11. Invite Friends to the App**  **12. Generate limited time location access code** |
| **Google API** | **13. Receive user location to display on map**  **14. Generate Map**  **15. Generate ETA of group members**  **16. Generate Directions Through Map** |
| **Administrator** | **17. Delete Accounts**  **18. Block User**  **19. Freeze accounts**  **20. Alter database** |

**Use Cases:**

Elliott : 1-5

**1. Create Account**

**2. Log into Account**

**3. Logout of Account**

**4. Add Friend(s) to a group**

**5. View Map**

Joel: 6-10

**6. Toggle Location**

**7. Alter Settings**

**8. Delete Group**

**9. Leave Group**

**10. Direct message group/other user**

Blake: 11-15

**11. Invite Friends to the App**

**12. Generate limited time location access code**

**13. Receive user location to display on map**

**14. Generate Map**

**15. Generate ETA of group members**

Jack: 16-20

**16.Generate Directions Through Map**

**17. Delete Accounts**

**18. Block User**

**19. Freeze accounts**

**20. Alter database**

**Use Cases**

**for**

**FindMe, Release 1.0**

**Version 1.0 approved**

**Prepared by Team 48**

**IU Capstone Project**

**November 18, 2017**

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| **Elliott Burkett** | **10/18/2017** | **initial draft** | **1.0 draft 1** |
| **Elliott Burkett** | **10/28/2017** | **baseline following changes after inspection** | **1.0 draft 1** |
| **Joel Shellabarger** | **10/18/17** | **Use Case 6 – Toggle Location Created** | **1.0** |
| **Joel Shellabarger** | **10/23/17** | **Use Case 6 – Toggle Location Updated**  **Use Case 7 – Alter Settings Created**  **Use Case 8 – Delete Group Created**  **Use Case 9 – Leave Group Created** | **1.0** |
| **Joel Shellabarger** | **10/25/17** | **Use Case 10 – Direct Message Group/User Created** | **1.0** |
| **Blake Bowdoin** | **10/20/17** | **initial draft** | **1.0 draft 1** |
| **Jack Sills** | **10/19/17** | **Initial draft** | **1.0 draft 1** |

|  |  |
| --- | --- |
| **Primary Actor** | **Use Cases** |
| **User(s)** | **1. Create Account**  **2. Log into Account**  **3. Logout of Account**  **4. Add Friend(s) to a group**  **5. View Map**  **6. Toggle Location**  **7. Alter Settings**  **8. Delete Group**  **9. Leave Group**  **10. Direct message group/other user**  **11. Invite Friends to the App**  **12. Generate limited time location access code** |
| **Google API** | **13. Receive user location to display on map**  **14. Generate Map**  **15. Generate ETA of group members**  **16. Generate Directions Through Map** |
| **Administrator** | **17. Delete Accounts**  **18. Block User**  **19. Freeze accounts**  **20. Alter database** |

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| --- | --- | --- | --- |
| **Use Case ID:** | **1** | | |
| **Use Case Name:** | **Create Account** | | |
| **Created By:** | **Elliott Burkett** | **Last Updated By:** | **Elliott Burkett** |
| **Date Created:** | **November 18, 2017** | **Date Last Updated:** | **November 28, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **The user will create an account using their email address, also creating their own unique user name and password.** | | |
| **Preconditions:** | **1. User has Android OS.**  **2. FindMe application is downloaded on their Android phone/tablet.** | | |
| **Postconditions:** | **1. Account is created and saved in the FindMe database.** | | |
| **Normal Flow:** | **1.0 Creating Account**  **1. User will input their email address.**  **2. User will create unique username.**  **3. User will create unique password.**  **4. Account Created.** | | |
| **Alternative Flows:** | **1. N/A** | | |
| **Exceptions:** | **1.0.E.1 Current email address already taken (at step 1.1)**  **1. System informs user that email address is already taken.**  **2. System allows user another try with different email address.**  **3. Return to step 2.**      **1.0.E.2 Current username already taken (at step 1.2)**  **1. System informs user that unique username is already taken (at step 1.2)**  **2. System allows user to try another username.**  **3. Return to step 3.** | | |
| **Includes:** | **None** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Approximately 400 users, average of one usage per person** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **1. Assume that each person will only create one account.** | | |
| **Notes and Issues:** | **1. The account is opened and stays in the database for 2 years with no activity.**  **2. The account is only accessible to user and administration.**  **3. Peak usage load for this use case is between 10:00am and 12:00pm local time.** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **2** | | |
| **Use Case Name:** | **Log into Account** | | |
| **Created By:** | **Elliott Burkett** | **Last Updated By:** | **Elliott Burkett** |
| **Date Created:** | **October 15, 2017** | **Date Last Updated:** | **October 28, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **User will be logging into the FindMe application using their unique username and password they have created for the application.** | | |
| **Preconditions:** | **User has created a FindMe account.** | | |
| **Postconditions:** | **User in logged into their FindMe application.** | | |
| **Normal Flow:** | **2.0 Logging into FindMe application**  **1. User inputs their unique username.**  **2. User inputs their unique password.**  **3. System confirms credentials for the account.**  **4. System grants access to the account.**  **5. Application is opened.** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **2.0.E.1 User username authentication fails (at step 1)**  **1. System gives user two more opportunities for correct username authentication.**  **2a. If authentication is successful, user proceeds with use case.**  **2b. If authentication fails after three tries, System notifies user, logs out of use case.**    **2.0.E.2 User password authentication fails (at step 2)**  **1. System gives user two more opportunities for correct password authentication.**  **2. If authentication is successful, user proceeds with use case.**  **3. If authentication fails after three tries, System notifies user, logs out of use case.** | | |
| **Includes:** | **Authenticate User’s Identity** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Once per user per day on average** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **None** | | |
| **Notes and Issues:** | **1. Expect high frequency of executing this use case within first 2 weeks after system is released.** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **3** | | |
| **Use Case Name:** | **Logging Out of Account** | | |
| **Created By:** | **Elliott Burkett** | **Last Updated By:** | **Elliott Burkett** |
| **Date Created:** | **October 18, 2017** | **Date Last Updated:** | **October 28, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **User will be logging out of the application** | | |
| **Preconditions:** | **User is already logged into the application** | | |
| **Postconditions:** | **User will be successfully logged out of FindMe application.** | | |
| **Normal Flow:** | **3.0 Logging out of FindMe Application**  **1. User goes to setting tab.**  **2. System displays the tabs.**  **3. User clicks log out.**  **4. System logs out user.**  **5. System reverts to use case 2.** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **None** | | |
| **Includes:** | **None** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Approximately 1 time per day per user.** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **None** | | |
| **Notes and Issues:** | **1. Certain users will keep their application logged on, and will not log out every day. This allows them to use the application quickly, without being required to log in every time they want to use the application.** | | |

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| **Use Case ID:** | **4** | | |
| **Use Case Name:** | **Add Friend(s) to a group** | | |
| **Created By:** | **Elliott Burkett** | **Last Updated By:** | **Elliott Burkett** |
| **Date Created:** | **October 18, 2017** | **Date Last Updated:** | **October 28, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **The user will be adding other users to a group, allowing all in the group to view each other’s locations on the map.** | | |
| **Preconditions:** | **“Friends” already have FindMe application** | | |
| **Postconditions:** | **Group has been saved** | | |
| **Normal Flow:** | **4.0 Adding Friend(s)**  **1. User creates group.**  **1.a User creates group name.**  **2. System shows users friends to add to group.**  **2a. System also shows search bar to invite others by username.**  **3. System sends out group formation request to all invited.** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **4.0.E.1 No user exists with that username (at step 2a.)**  **1. System informs user no friend exists with searched username.**  **2. System defaults back to search bar.**  **3. User tries another username.**  **4. Back to 4.3.** | | |
| **Includes:** | **None** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Approximately 5 times per week per user** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **1. The user must be friends with the invited.**  **2. The user must know the username of the invited users** | | |
| **Assumptions:** | **1. All users have the FindMe application.**  **2. All users accept invitation to group** | | |
| **Notes and Issues:** | **1. Certain users might accept invitation to the group, and certain users may decline.**  **2. The declined users will be dropped from the group; their location not being seen.**  **3. The declined users don’t have authentication to view those in the group that accepted invitation.** | | |

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| **Use Case ID:** | **5** | | |
| **Use Case Name:** | **View Map** | | |
| **Created By:** | **Elliott Burkett** | **Last Updated By:** | **Elliott Burkett** |
| **Date Created:** | **October 18, 2017** | **Date Last Updated:** | **October 28, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **The user will view the map to locate those users(Friends) they have grouped with.** | | |
| **Preconditions:** | **Users are already in a group.** | | |
| **Postconditions:** | **Users find each other on map.** | | |
| **Normal Flow:** | **Viewing Map**   1. **User views map to look for all friends they have grouped with.** 2. **User can click on colored friend dot.** 3. **Systems tells user the distance between the two friends.** 4. **System asks if user would like directions to friend** 5. **System gives Estimated time of arrival to meet with friend.** 6. **User finds friend** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **5.0.E.1 No friends on map (at step 1)**  **1. User is not grouped with any “Friends” or other users.**  **2. User sees empty map.**  **3. Return to 4.1.** | | |
| **Includes:** | **Google API** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Approximately 10 times per day per user** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **None** | | |
| **Assumptions:** | **1. A colored dot will be used for all friends on the map.** | | |
| **Notes and Issues:** | **1. Internet connection failure might not allow some friends to be found on the map.** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **6** | | |
| **Use Case Name:** | **Toggle Location** | | |
| **Created By:** | **Joel Shellabarger** | **Last Updated By:** | **Joel Shellabarger** |
| **Date Created:** | **October 18, 2017** | **Date Last Updated:** | **October 23, 2017** |
| **Actors:** | **User(s), Google API** | | |
| **Description:** | **A User can control the broadcast ability of their location to the group specified on screen. Turning the switch on or off will allow other members in their group to see or not see their location, respectfully.** | | |
| **Preconditions:** | **1. Patron is logged into application.**  **2. Patron is currently in a group.** | | |
| **Postconditions:** | **1. Location will either begin or stop broadcasting to the group.** | | |
| **Normal Flow:** | **6.0 Toggle Location**  **1. User selects group to modify.**  **2. User changes status of location via toggle switch.**  **3. System broadcasts location to other members of the group.** | | |
| **Alternative Flows:** | **6.1 Wrong Group Selected (branch after step 1)**  **1. User must navigate back to the main screen.**  **2. Return to step 1.** | | |
| **Exceptions:** | **6.0.E.1 No Groups Created (at step 1)**  **1. User has not created a group in the application.** | | |
| **Includes:** | **None** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Market would determine number of users, average of one usage per day** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **1. Patron shall be able to toggle location sharing at any time.**  **2. Patron shall be able to view all users in the group that are able to access their location.** | | |
| **Assumptions:** | **1. Assume that users will want the default of location sharing to be off.** | | |
| **Notes and Issues:** | **N/A** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **7** | | |
| **Use Case Name:** | **Alter Settings** | | |
| **Created By:** | **Joel Shellabarger** | **Last Updated By:** | **Joel Shellabarger** |
| **Date Created:** | **October 23, 2017** | **Date Last Updated:** | **October 23, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **User has the ability to change settings within the application. Setting preferences will be saved and stored for further use.** | | |
| **Preconditions:** | **User is logged into application.** | | |
| **Postconditions:** | **User’s setting preferences are saved, each time the application is run these are the default settings.** | | |
| **Normal Flow:** | **7.0 Alter Settings**  **1. User opens settings menu**  **2. User changes desired settings**  **3. User saves changes**  **4. User closes settings menu** | | |
| **Alternative Flows:** | **7.3 User doesn’t save changes (branch after step 3)**  **1. Return to step 2** | | |
| **Exceptions:** | **None** | | |
| **Includes:** | **None** | | |
| **Priority:** | **Low** | | |
| **Frequency of Use:** | **Less than once a day** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **None** | | |
| **Assumptions:** | **None** | | |
| **Notes and Issues:** | **None** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **8** | | |
| **Use Case Name:** | **Delete Group** | | |
| **Created By:** | **Joel Shellabarger** | **Last Updated By:** | **Joel Shellabarger** |
| **Date Created:** | **October 23, 2017** | **Date Last Updated:** | **October 23, 2017** |
| **Actors:** | **User** | | |
| **Description:** | **The user has the ability to delete and disband an entire group.** | | |
| **Preconditions:** | **User is signed into application.**  **Group has already been created by user.** | | |
| **Postconditions:** | **Group has been deleted.** | | |
| **Normal Flow:** | **8.0 Delete Group**  **1. User selects group that he/she wishes to delete.**  **2. User selects delete group option.**  **3. User confirms they want to permanently delete this group for them and all of its members.** | | |
| **Alternative Flows:** | **8.1 User Selects Wrong Group**  **1. User exits group.**  **2. Repeat step 1.**    **8.3 User Decides Not To Delete Group**  **1. User selects cancel.** | | |
| **Exceptions:** | **8.0.E.1 No Connection To Database**  **1. System informs user there is no current connection to database.**  **2. User connects to database.**  **3. Repeat use case.** | | |
| **Includes:** | **None** | | |
| **Priority:** | **Medium** | | |
| **Frequency of Use:** | **Average of less than once per day.** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **None** | | |
| **Assumptions:** | **1. Users are granted the ability to delete groups.** | | |
| **Notes and Issues:** | **1. Undecided whether users can delete groups or if an Administrator is needed.** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **9** | | |
| **Use Case Name:** | **Leave Group** | | |
| **Created By:** | **Joel Shellabarger** | **Last Updated By:** | **Joel Shellabarger** |
| **Date Created:** | **October 23, 2017** | **Date Last Updated:** | **October 23, 2017** |
| **Actors:** | **User(s)** | | |
| **Description:** | **The user has the ability to leave a group at any time.** | | |
| **Preconditions:** | **User is signed into application.**  **Group has already been created by user.** | | |
| **Postconditions:** | **Group is no longer accessible to the user.**  **Users still in the group cannot see the location of the user that left.** | | |
| **Normal Flow:** | **8.0 Delete Group**  **1. User selects group that he/she wishes to delete.**  **2. User selects delete group option.**  **3. User confirms they want to permanently delete this group for them and all of its members.** | | |
| **Alternative Flows:** | **8.1 User Selects Wrong Group**  **1. User exits group.**  **2. Repeat step 1.**    **8.2 User Decides Not To Delete Group (branch after step 3)**  **1. User selects cancel.** | | |
| **Exceptions:** | **8.0.E.1 No Connection To Database**  **1. System informs user there is no current connection to database.**  **2. User connects to database.**  **3. Repeat use case.** | | |
| **Includes:** | **None** | | |
| **Priority:** | **Medium** | | |
| **Frequency of Use:** | **Average of less than once per day.** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **None** | | |
| **Assumptions:** | **1. Users are granted the ability to delete groups.** | | |
| **Notes and Issues:** | **1. Undecided whether users can delete groups or if an Administrator is needed.** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **10** | | |
| **Use Case Name:** | **Direct Message Group/User** | | |
| **Created By:** | **Joel Shellabarger** | **Last Updated By:** | **Joel Shellabarger** |
| **Date Created:** | **October 25, 2017** | **Date Last Updated:** | **October 25, 2017** |
| **Actors:** | **User(s)** | | |
| **Description:** | **A User has the ability to send a message to a specific group or a single user.** | | |
| **Preconditions:** | **1. User is logged into application.**  **2. User has a group created or username available.** | | |
| **Postconditions:** | **1. User will have sent a message to a group or one other user.** | | |
| **Normal Flow:** | **10.0 Direct Message Group/User**  **1. User selects group/user to send a message to.**  **2. User selects ‘new message’ option.**  **3. User types desired message.**  **4. User selects ‘send message’.** | | |
| **Alternative Flows:** | **10.1 Wrong Group/User Selected (branch after step 1)**  **1. User must navigate back to the main screen.**  **2. Return to step 1.**    **10.2 User Decides Not To Send Message (branch after step 3)**  **1. User selects discard message and returns to main menu.** | | |
| **Exceptions:** | **6.0.E.1 User Does Not Exist (at step 1)**  **1. User has entered recipient’s username incorrectly and must reenter it.** | | |
| **Includes:** | **None** | | |
| **Priority:** | **Low** | | |
| **Frequency of Use:** | **Market would determine number of users, average of multiple uses per day** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **None** | | |
| **Assumptions:** | **1. Assume that user will have recipients username or name.** | | |
| **Notes and Issues:** | **N/A** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **11** | | |
| **Use Case Name:** | **Invite Friends to the App** | | |
| **Created By:** | **Blake Bowdoin** | **Last Updated By:** | **Blake Bowdoin** |
| **Date Created:** | **October 18, 2016** | **Date Last Updated:** | **October 18, 2016** |
| **Actors:** | **User(s)** | | |
| **Description:** | **A User will send an invitation to another possible user by their cell-phone number. Receiver can then download the application and sign up as a User** | | |
| **Preconditions:** | **3. User is logged into application**  **4. User is inviting someone not already registered with the application** | | |
| **Postconditions:** | **2. A new User is added to the application database** | | |
| **Normal Flow:** | **11.0 Invite friends to the application**  **4. User searches for a user.**  **5. If searched User is not registered in the Database, User invites friend to application**  **6. Receiver accepts application**  **7. Receiver downloads application**  **8. Receiver registers for the application**  **9. A new User is added to the application Database** | | |
| **Alternative Flows:** | **11.1 User exists (branch after step 1)**  **1. User is already in the database**  **2. Return to step 2.**    **11.2 Receiver rejects invitation (after step 2)**  **1.Receiver does not accept invite to the application**  **2.Return to step 4.** | | |
| **Exceptions:** | **11.0.E.1 Receiver is using a non-Android user (at step 2)**  **1. System informs User that receiver that is non using and Android based phone** | | |
| **Includes:** | **None** | | |
| **Priority:** | **Low** | | |
| **Frequency of Use:** | **Approximately 4 users, market would decide how many users based on awareness** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **N/A** | | |
| **Notes and Issues:** | **N/A** | | |

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| **Use Case ID:** | **12** | | |
| **Use Case Name:** | **Generate limited time location access code** | | |
| **Created By:** | **Blake Bowdoin** | **Last Updated By:** | **Blake Bowdoin** |
| **Date Created:** | **October 19, 2017** | **Date Last Updated:** | **October 19, 2017** |
| **Actors:** | **User(s)** | | |
| **Description:** | **System generates a limited time access code in which only those who User has sent code to can see current location** | | |
| **Preconditions:** | **User is logged into system** | | |
| **Postconditions:** | **User’s location available to select group of people** | | |
| **Normal Flow:** | **12.0 Generate limited time location access code**  **1. User requests system generate a limited time access code**  **2. User receives access code**  **3. User sends access code to specified users**  **4. Specified users can then view User’s location for a limited amount of time** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **12.0.E.1 Access code has expired**  **1. User(s) try to access another User(s) location with an access code that has expired** | | |
| **Includes:** | **None** | | |
| **Priority:** | **Low** | | |
| **Frequency of Use:** | **Approximately 4 users, market would decide how many users based on awareness** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **N/A** | | |
| **Notes and Issues:** | **N/A** | | |

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| **Use Case ID:** | **13** | | |
| **Use Case Name:** | **Receive User location** | | |
| **Created By:** | **Blake Bowdoin** | **Last Updated By:** | **Blake Bowdoin** |
| **Date Created:** | **October 19, 2017** | **Date Last Updated:** | **October 19, 2017** |
| **Actors:** | **User(s), Google API** | | |
| **Description:** | **The Google API receives a User’s location** | | |
| **Preconditions:** | **1. User is logged into application** | | |
| **Postconditions:** | **1. Location is visible to the Google API** | | |
| **Normal Flow:** | **13.0 Send location to Google API**  **1. User sends location to Google API**  **3. Google API receives User’s location** | | |
| **Alternative Flows:** | **N/A** | | |
| **Exceptions:** | **13.0.E.1 User does not have location visible in settings (at step 2)**  **1. System informs User they do not have location visible in their settings** | | |
| **Includes:** | **None** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Approximately 4 users, market would decide how many users based on awareness** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **1. User has enough cellular or Wi-Fi connection to send and receive location data to and from the Google API** | | |
| **Assumptions:** | **N/A** | | |
| **Notes and Issues:** | **N/A** | | |

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| **Use Case ID:** | **14** | | |
| **Use Case Name:** | **Generate Map** | | |
| **Created By:** | **Blake Bowdoin** | **Last Updated By:** | **Blake Bowdoin** |
| **Date Created:** | **October 20, 2017** | **Date Last Updated:** | **October 20, 2017** |
| **Actors:** | **Google API** | | |
| **Description:** | **The Google API will receive a User(s) location, generate a map and display their location(s)** | | |
| **Preconditions:** | **1. User(s) are logged into the system**  **2. User(s) has sent location to Google API** | | |
| **Postconditions:** | **1. Generated map displays location of current group members** | | |
| **Normal Flow:** | **14.0 Edit Existing Menu**  **4. Google API places User(s) location on a map**  **5. Google API generates and displays that map** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **None** | | |
| **Includes:** | **13** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **Approximately 4 users, market would decide how many users based on awareness** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **1. User has enough cellular or Wi-Fi connection to send and receive location data to and from the Google API** | | |
| **Notes and Issues:** | **N/A** | | |

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| **Use Case ID:** | **15** | | |
| **Use Case Name:** | **Generate ETA of group members** | | |
| **Created By:** | **Blake Bowdoin** | **Last Updated By:** | **Blake Bowdoin** |
| **Date Created:** | **October 20, 2017** | **Date Last Updated:** | **October 20, 2017** |
| **Actors:** | **Google API, User(s)** | | |
| **Description:** | **A User will send an invitation to another possible user by their cell-phone number. Receiver can then download the application and sign up as a User** | | |
| **Preconditions:** | **1. User is logged into application**  **2. User is inviting someone not already registered with the application** | | |
| **Postconditions:** | **1. A new User is added to the application database** | | |
| **Normal Flow:** | **15.0 Generate ETA of group members**  **1. Google API receives location of all group members**  **2. User taps on specific group member**  **3. Google API estimates ETA to specific group members’ location** | | |
| **Alternative Flows:** | **None** | | |
| **Exceptions:** | **None** | | |
| **Includes:** | **13, 14** | | |
| **Priority:** | **Low** | | |
| **Frequency of Use:** | **Approximately 4 users, market would decide how many users based on awareness** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **1. User has enough cellular or Wi-Fi connection to send and receive location data to and from the Google API** | | |
| **Notes and Issues:** | **N/A** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **16** | | |
| **Use Case Name:** | **Create directions through map** | | |
| **Created By:** | **Jack Sills** | **Last Updated By:** | **Jack Sills** |
| **Date Created:** | **October 19, 2016** | **Date Last Updated:** | **October 19, 2016** |
| **Actors:** | **User(s)/ Google API** | | |
| **Description:** | **The user selects a person’s location on the map as a desired destination. The system then starts navigation using the device’s location and Google’s navigation to show direction to the destination.** | | |
| **Preconditions:** | **1. User is logged into application**  **2. Both the User and the group member have their location toggled on** | | |
| **Postconditions:** | **1. User uses the navigation provided from the GPS to navigate to the destination** | | |
| **Normal Flow:** | **5.0** **Create directions through map**  **1. User is in a group**  **2. A group member in their group has their location enabled**  **3. User selects other group member as desired destination**  **4. Current user location sent to Google API and is used to display directions to destination** | | |
| **Alternative Flows:** | **N/A** | | |
| **Exceptions:** | **16.0.E.1 No friend’s location currently being shared (at step 2)**  **1. User selects a group, no group members are sharing their location at that time** | | |
| **Includes:** | **Google API** | | |
| **Priority:** | **Medium** | | |
| **Frequency of Use:** | **Approximately every time the application is used** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **N/A** | | |
| **Assumptions:** | **1.Other group members have their location enabled** | | |
| **Notes and Issues:** | **1.When navigating to the destination both location service and internet connection are present** | | |

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| **Use Case ID:** | **17** | | |
| **Use Case Name:** | **Delete Account** | | |
| **Created By:** | **Jack Sills** | **Last Updated By:** | **Jack Sills** |
| **Date Created:** | **October 19, 2017** | **Date Last Updated:** | **October 19, 2017** |
| **Actors:** | **Administrator** | | |
| **Description:** | **A User is abusing the application or needs their account to be deleted** | | |
| **Preconditions:** | **User’s account has been successfully created** | | |
| **Postconditions:** | **The username and email used for the account are banned and are not allowed to recreate a new account** | | |
| **Normal Flow:** | **17.0 Delete account**  **1. User abusing the application to try to find location of other users who don’t want to be found**  **2. User’s account information is given to Administrator**  **3. Administrator removes user access to application**  **4. Administrator blocks email and username from database** | | |
| **Alternative Flows:** | **17.1 User requests for their account to be deleted**  **1. User no longer wants an account on the app**  **2. Return to step 2** | | |
| **Exceptions:** | **17.0.E.1 Account gets unintendedly deleted**  **1. Suspicion of incorrect us of the application causes Administrator to delete innocent account**  **2. Administrator corrects mistake and enable deleted information and user account** | | |
| **Includes:** | **Administrator** | | |
| **Priority:** | **Medium** | | |
| **Frequency of Use:** | **Infrequent, based on specific case** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **1.Administrator status required to perform this task** | | |
| **Assumptions:** | **1.User is using application in an unintended way** | | |
| **Notes and Issues:** | **1.The Administrator will only carry out an action like this after careful consideration and review of the situation** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **18** | | |
| **Use Case Name:** | **Block User** | | |
| **Created By:** | **Jack Sills** | **Last Updated By:** | **Jack Sills** |
| **Date Created:** | **October 19, 2017** | **Date Last Updated:** | **October 19, 2017** |
| **Actors:** | **Administrator** | | |
| **Description:** | **Blocking a User’s account will stop them from using and logging into the application** | | |
| **Preconditions:** | **User has created an account** | | |
| **Postconditions:** | **User’s account functionality is blocked** | | |
| **Normal Flow:** | **18.0 Block User**  **1. User is misusing the application**  **2. Administrator finds account information**  **3. Administrator blocks account from using the application** | | |
| **Alternative Flows:** | **N/A** | | |
| **Exceptions:** | **18.0.E.1 Blocked account is moved to deleted account (at step 2)**  **1. Administrator finds blocked account**  **2. Administrator deletes the username and email from the database** | | |
| **Includes:** | **Administrator** | | |
| **Priority:** | **Medium** | | |
| **Frequency of Use:** | **Infrequent, based on specific cases** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **1. Administrator status required to perform this task** | | |
| **Assumptions:** | **1.User loses privilege to use application, but account is still available** | | |
| **Notes and Issues:** | **1.User will not lose all account information but will lose the ability to use the application** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **19** | | |
| **Use Case Name:** | **Freeze Account** | | |
| **Created By:** | **Jack Sills** | **Last Updated By:** | **Jack Sills** |
| **Date Created:** | **October 20, 2017** | **Date Last Updated:** | **October 20, 2017** |
| **Actors:** | **Administrator** | | |
| **Description:** | **An account will be frozen during investigation on if user should be allowed back into application features or if they will be blocked. A frozen account will be able view most of the application but unable to toggle location features and view others location** | | |
| **Preconditions:** | **1. User has created an account**  **2. User’s account is under investigation for misuse of the application** | | |
| **Postconditions:** | **1. User account is either unfrozen, allowing full access to the application, or it is blocked** | | |
| **Normal Flow:** | **19.0Freeze Account**  **1. Account is selected by Administrator for suspicious behavior**  **2. After investigation and review of the case administrator will unfreeze account granting full access back to the User** | | |
| **Alternative Flows:** | **19.1 Block Account**  **1. After review of investigation case, Administrator will block account** | | |
| **Exceptions:** | **19.0.E.1 Delete account**  **1. Frozen account is blocked**  **2. Blocked account is then deleted** | | |
| **Includes:** | **Administrator** | | |
| **Priority:** | **low** | | |
| **Frequency of Use:** | **Infrequent, based on specific case** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **1.Administrator status required to perform task** | | |
| **Assumptions:** | **1. Someone has reported an issue with another User** | | |
| **Notes and Issues:** | **1.Freezing an account is a temporary action during the decision and review of case** | | |

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| --- | --- | --- | --- |
| **Use Case ID:** | **20** | | |
| **Use Case Name:** | **Alter Database** | | |
| **Created By:** | **Jack Sills** | **Last Updated By:** | **Jack Sills** |
| **Date Created:** | **October 20, 2017** | **Date Last Updated:** | **October 20, 2017** |
| **Actors:** | **Administrator** | | |
| **Description:** | **Proactive or reactive steps taken by an Administrator to fix or prevent an issue in the database** | | |
| **Preconditions:** | **1.An error presents itself in the system, or an error is foreseen to effect the database** | | |
| **Postconditions:** | **1.Tests run to ensure the problem has been resolved** | | |
| **Normal Flow:** | **20.0 Alter database**  **1. Administrator sees or is informed of a problem regarding the database**  **2. Administrator fixes the issue in the database**  **3. Administrator tests functionality of the repair** | | |
| **Alternative Flows:** | **20.1 Error predicted**  **1. Administrator sees an issue that is going to happen in the future**  **2. Return to step 2** | | |
| **Exceptions:** | **None** | | |
| **Includes:** | **Administrator** | | |
| **Priority:** | **Medium** | | |
| **Frequency of Use:** | **Scenario based, hopefully infrequent action required** | | |
| **Business Rules:** | **N/A** | | |
| **Special Requirements:** | **Administrator status required for action to occur** | | |
| **Assumptions:** | **1.Issue occurred in the database** | | |
| **Notes and Issues:** | **Frequent check and general knowledge of the database will hopefully avoid reason to alter the database** | | |

**Team Project Full Requirement Documentation**

Elliott - #3 use cases

Blake - #3 google api & admin

Joel - #4 & #5 and editing and submitting

Jack - #1 & #2 & Table of contents

# **1. Functional Requirements**

## **1.1 Use Cases for FindMe**

**UC-U-1:**

Description: A user shall be able to create an account

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| --- | --- | --- |
| FindMe.Create\_Account: | The user will create an account using their email address, also creating their own unique username and password.. | (Priority=H) |
| FindMe.Login: | User will be logging into the FindMe application using their unique username and password they have created for the application. This will allow the user access to the application and take them to the main screen. | (Priority=H) |
| FindMe.Log\_out: | The User will be logging out of the FindMe application. This will notify the user that they have logged out and return them to the sign-in page. | (Priority=H) |
| FindMe.Add friends to group: | User will add friends to group to share locations. Both will accept offer before group is made and locations are shown. | (Priority=M) |
| FindMe.View\_Map: | User will have a Google API map on the main page that will allow them to see all of their friends that they have shared their location with. Each group will be able to see each friend inside that group. | (Priority=M) |
| FindMe.Toggle\_Location: | The location toggle will be a quick and easy way for a user to become "off the market", the location switch will turn the user off to all friends in the group that they turned location off with | (Priority=M) |
| FindMe.Alter\_Setting: | User has the ability to change settings within the application. Setting preferences will be saved and stored for further use throughout the application. | (Priority=M) |
| FindMe.Delete\_Group: | The user has the ability to delete and disband an entire group. | (Priority=M) |
| FindMe.Leave\_Group: | User has the ability and authority to leave a group at anytime. | (Priority=M) |
| FindMe.Direct\_Message: | A User has the ability to send a message to a specific group or a single user.This will be a messaging system nested inside the application. | (Priority=L) |
| FindMe.Invite\_Friend: | The application will allow a user to invite another android user to use the application via a text alert to download the application. | (Priority=L) |

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| FindMe.Limited time access code: | The application will have a randomly generated access code that allows the group to know each other's location for a specific amount of time, after which the code will expire and the location information lost. | (Priority=L) |
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|  |  |  |

**Team User Testing & Mock up**

User test 1:

25 year old female

College graduate bachelor's degree

From Martinsville

Technologically sound? Kinda

Cool idea, I don’t like that google wants to know my location when app is off?

**Would you use app?**

Yes I like the idea!

**When would you use app?**

I would use the app if I went out with a lot of people, or was in a city that I wasn’t familiar with so someone could come and get me. If I went to a concert I would make a group with everyone I went with

**With whom would you use app?**

I would use the app with friends and also with family like the demo had

**What need to be change from the sample app?**

I don’t like that google asked to know my location even when the app is off. I would make the app easier to look at. It is almost too straightforward. I would make it colorful and appealing.

The first user we tested was a 23 year old female with a bachelor's degree in sports management.

User test 2:

48 year old male

High school graduate only

From Greenwood

Technologically sound? I keep up with apple products

· Has both new phone and new watch

**Would you use app?** I would download it for free, but probably would use it, I use siri a lot.

**When would you use app?**

If I really needed it, I would use it when with a big group going to a colts game our out to the bar with friends

**With whom would you use app?** Just told you, but I might use it with my parents, the travel the world and it would be cool to keep track of them, even though they wouldn’t know how to use it and I would have to set it up for them.

**What need to be change from the sample app?**

I think the app needs more features, like a way to send messages to people or to the whole group.

It looks too much like a demo, needs to look better and have color

User test 3:

The third user we tested as a 24 year old male from Elkhart with a bachelor's degree in Exercise Physiology

User #3 was relatively technically sound, and liked the idea of the app

**What do you like about it?**

-Like’s that the application is basic

-That you can have multiple groups

**What don’t you like about it?**

-Its bland

**Would you use app?**

Yes

**When would you use app?**

If i were in amusement parks, or vacations with my family

**With whom would you use app?**

My family, and friends that I go to big events with

User test 4:

56 year old male, plastics engineer.

Technically knowledgeable, android user.

**What do you like about it?**

The group feature is important for family outings.

**What don’t you like about it?**

The the toggle switch, it should only show your location when you are actively viewing that specific group.

**Would you use app?**

Yes, but only with the family.

**When would you use app?**

Any time the family was out at an event, amusement park, or crowded place.

**With whom would you use app?**

With the family, or with friends if we would be splitting up.

User test 5:

A 23 year old male with a bachelor's in computer science

Technically sound, android user

**What do you like about it?**

That you can share your location with only a specific group of people

**What don’t you like about it?**

The colors don't blend, especially on the groups page

**Would you use app?**

Yes, assuming toggle functions are put in

**When would you use app?**

At social venues like a concert or when going to drink with friends

**With whom would you use app?**

Friends and Family

**Sprint Dates and What's Due**

1-16-18

Sprint 1: 1/7-1/28

* Get all app screens up. - Elliott/Jack
* Find out time and date to meet with AI meeting & Instructors. - Blake
* Implement Sign up functionality - Blake
* Implement Login-in/log-out functionality - Joel
* Add tables to database - Joel
* ALL TASKS COMPLETED

Sprint 2: (More to be added) 1/29 - 2/18

* Create groups - Blake/Elliott:
  + Blake: PHP and android functionality
  + Elliott: Design
* View groups - Joel/Jack
* Team working over weekend 2-4-18\*\*
* STRETCH GOAL FOR THE SPRINT:

Sprint 3: (More to be added) 2/19 - 3/11

* Join group - Blake/TBA
* View map - TBA

Sprint 4: (More to be added) 3/12 - 4/1

* Toggle Location - TBA
* Finish any high priority features and design work - TBA

**Capstone Team Status Report**

Due each Monday by noon.

Rename this document to *reportweek#* before turning it into your Oncourse group folder.

**Group Name: Team 48**

**Date: 2/1/18**

**Group Members:** Blake Bowdoin, Elliott Burkett, Jack Sills, Joel Shellabarger

**Describe your team’s overall progress so far:**

We have 2 of our 7 high priority features completed and the PHP done for a 3rd, design work on most screens is almost finished, have met with AI twice and Logan once.

**In the last week, the team accomplished:**

**Blake**:

-Finished Register functionality, finished Login, Register, Connection and CreateGroup PHP files.

**Joel:**

-Completed Login, Worked on the View Groups PHP and database

**Elliott**:

-Complete rough draft of GUI, assisted Joel with correcting view group PHP

**Jack:**

-Worked on some Register PHP

**In the next week, we plan on accomplishing:**

**Blake**:

-Finishing Create Group functionality

**Joel:**

-Finish View Group functionality

**Jack:**

-Finish View Group functionality

**Elliott:**

**-**Finish Create Group functionality, be able to pull from GitHub

**Our specific goals for the remainder of the academic year are:**

**Blake**:

-Finish all high priority feature items

**Elliott:**

**-**Finish all high priority feature items on time

**Joel:**

-Finish every high priority feature on time

**Jack**

-Finish every high priority feature and get as many other features done as well.

**We have completed the following technology training options:**

**Blake**:

-Udacity Java Programming Basics

**Jack:**

-Udacity and Lynda tutorials

**Joel:**

-Udacity and Youtube Tutorials

**Elliott:**

**-**Udacity and Youtube Series Covering Android Studio

Our members plan on completing the following technology training options:

**Blake**:

-Pluralsight android tutorials 6-9.

**Joel:**

-Pluralsight tutorials

-Youtube tutorials

**Elliott:**

-Continue Java/Android Studio tutorial (Youtube)

-Pluralsight Android tutorials

**Jack**

-Pluralsight for android tutorials

-Youtube for tutorials

**We feel we need help with the following issues:**

Elliott's github complications.

**Other comments/questions:**

New burrow link is http:// instead of https://, is this an issue?

**User Stories**

**Team 48**

**Format: As a <role>, I want <feature> so that <reason>.**

Sign-Up system-High

As a User I want to register so that I can access the app.

Log-In system-High

As a User I want to be able to sign into my account so that I can view my groups.

Create Group-High

As a User I want to create a group so that I can view specific user's locations.

Join Group-High

As a User I want to join a group so that I can allow specific users to view my location.

View Group-High

As a User I want to view a group so that I can see who is in my group.

View Map-High

As a User I want to view the map so that I can see a location of a specific group member.

Toggle Location-High

As a User I want to toggle my location so that I can decide whether my friends can see my location.

Add Friends-Medium

As a User I want to have friends saved so that I can quickly add them into another group.

Leave Group-Medium

As a User I want to leave a group so that I have the choice of which groups I am in.

Delete Group-Medium

As an Administrator I want to remove a group from the database so that the users in it can no longer use that group.

Change Settings-Low

As a User I want to change settings so that I can customize the application to my liking.

Group Message/Direct Message -Low

As a User I want to send a group message so that I can easily communicate with my group.

Limited Time Access Code-Low

As a User I want to have a limited time access code so that I can share my location with somebody for a short amount of time.

ETA-Low

As a User I want to see the amount of time that it will take to walk to my friends location so that I can meet up with them more easily.

**Capstone Team Status Report**

**Due each Monday by noon.**

**Rename this document to *reportweek#* before turning it in to your Oncourse group folder.**

**Group Name: Team 48**

**Date: 2/11/18**

**Group Members:** Blake Bowdoin, Elliott Burkett, Jack Sills, Joel Shellabarger

**Describe your team’s overall progress so far:**

**[Insert response here.]**

We have 3 of our 7 high priority features done along with all necessary PHP scripts for these features. Database is working smoothly so far and it set-up well, work on 4th high priority feature is underway and should be done by the end of this sprint.

**In the last week, the team accomplished:**

**[Insert response here – list what each member accomplished as well as any group work that was completed.]**

**Blake:**

**-**Finished create group functionality, along with necessary PHP files. User's can now add members to a group they just created and it will add them into the group in the database.

**Elliott:**

-Created story points for each sprint

-Continued working on GUI for Android Studio

-Added GUI to GitHub

**Jack:**

-Finished our Sprint Backlog

-Worked on join group functionality

**Joel:**

-Worked on view group functionality, few bugs left to fix

**-**Finished the view group PHP file

**In the next week, we plan on accomplishing:**

**[Insert response here – list each group member’s task(s) for the coming week.]**

**Blake:**

**-**Implementing hashing functionality in PHP scripts. Finalizing design of create group feature.

**Jack:**

**-**Getting our Google location API started and work on getting location features in Android Studio

**Elliott:**

-Work on Google API, hashing, and continue improvement on GUI through android studio.

- Work on our toggle location switch through Android Studio

**Joel:**

-Work out the remaining bugs from the view group functionality

-Set the features to work properly with the GUI now added

**Our specific goals for the remainder of the academic year are:**

**[Insert response here – list a set of goals for each member.]**

**Blake:**

**-**Allow a user to join a group they were invited to, also user to see group members on a map in real time

**Jack:**

**-**Make sure the group function works for both the User creating the group, and the User(s) joining the group

**Elliott:**

-Making sure users can create groups, add friends and view friends on map

**Joel:**

-Allow users in the same group to see each other's locations on a map.

**We have completed the following technology training options:**

**[List a response for each group member.]**

**Blake:**

**-**Udacity Java Programming Basic

**Jack:**

**-**Youtube tutorials on android studio.

**Elliott:**

**-**Youtube tutorial over Java and Android Studio

**Joel:**

-Udacity and Youtube tutorials on Java/Android Studio

**Our members plan on completing the following technology training options:**

**[List a response for each group member here.]**

**Blake**:

-Pluralsight android tutorials 6-9.

**Jack**

-Lynda Java tutorial

**Elliott**

-Youtube tutorials

-Pluralsight

**Joel:**

**-**Pluralsight tutorials

-Youtube tutorials

**We feel we need help with the following issues:**

**[Insert response here.]**

**Blake:**

**-**PHP function for hashing passwords does not work on the school's servers due to their version of PHP, need help with a work around.

**Elliott:**

**-**Allowing names to appear for each person in a specific group

**Other comments/questions:**

**[Insert response here.]**

**PHP help:**

[**https://code.tutsplus.com/tutorials/user-membership-with-php--net-1523**](https://code.tutsplus.com/tutorials/user-membership-with-php--net-1523)

**ListView - Help**

[**https://stackoverflow.com/questions/9440138/how-to-convert-jsonarray-to-listview**](https://stackoverflow.com/questions/9440138/how-to-convert-jsonarray-to-listview)

**Questions:**

**Dan Richert at Wednesday 14 February 2018 1:20 pm.**

**room 200 in the Informatics & Computing Undergrad Annex,** [**821 E. 10th St**](https://maps.google.com/?q=821+E.+10th+St&entry=gmail&source=g)**.**

**Hashing - I308 lecture slides week 12, 13, or 14**

**Invite people to group**

**View groups (view each group with people in each group)**

**Password Encryption help:**

[**https://stackoverflow.com/questions/5089841/two-way-encryption-i-need-to-store-passwords-that-can-be-retrieved**](https://stackoverflow.com/questions/5089841/two-way-encryption-i-need-to-store-passwords-that-can-be-retrieved)

**Capstone Team Status Report**

**Due each Monday by noon.**

**Rename this document to *reportweek#* before turning it in to your Oncourse group folder.**

**Group Name: Team 48**

**Date: 2/25/18**

**Group Members:** Blake Bowdoin, Elliott Burkett, Jack Sills, Joel Shellabarger

**Describe your team’s overall progress so far:**

**[Insert response here.]**

We have 7 of our 7 high priority features done along with all necessary PHP scripts for these features. We have found some bugs and issues with hashing that we would like to resolve; as well as general issues to fix..

**In the last week, the team accomplished:**

**[Insert response here – list what each member accomplished as well as any group work that was completed.]**

**Blake:**

**-**Finished fixing bugs in the PHP of create group and member add. As well as finished Join group high priority feature group functionality, along with necessary PHP files. User's can now add members to a group they just created and it will add them into the group in the database. Implemented Hashing functionality

**Elliott:**

-Worked on hashing PHP passwords.

-Helped Joel with view-groups

-SCRUM adjustments

**Jack:**

-Finished our Sprint Backlog

-Worked on join group functionality

-Worked on fixing sprint SCRUM board

**Joel:**

- Created a toolbar to access settings and logout functions

- Implemented toggle location

**In the next week, we plan on accomplishing:**

**[Insert response here – list each group member’s task(s) for the coming week.]**

**Blake:**

**-**Understanding Google API for the View Map feature.

-Fixing Login Bugs

**Jack:**

**-**Getting our Google location API started and work on getting location features in Android Studio

**Elliott:**

-Work on Google API and continue improvement on GUI through android studio.

- Work on our toggle location switch through Android Studio

-Getting login and passwords fixed

-allowing users to leave a group

**Joel:**

- Fix the toggle location to save status

- Create toggle on function

**Our specific goals for the remainder of the academic year are:**

**[Insert response here – list a set of goals for each member.]**

**Blake:**

**-**Allow a user to join a group they were invited to, also user to see group members on a map in real time

**Jack:**

**-**Make sure the group function works for both the User creating the group, and the User(s) joining the group

**Elliott:**

-Making sure users can create groups, add friends and view friends on map

-finish all high priority functions

**Joel:**

-Allow users in the same group to see each other's locations on a map.

**We have completed the following technology training options:**

**[List a response for each group member.]**

**Blake:**

**-**Udacity Java Programming Basic

**Jack:**

**-**Youtube tutorials on android studio.

**Elliott:**

**-**Youtube tutorial over Java and Android Studio

-Youtube series on GitHub

-Some Udacity

**Joel:**

-Udacity and Youtube tutorials on Java/Android Studio

**Our members plan on completing the following technology training options:**

**[List a response for each group member here.]**

**Blake**:

-Pluralsight android tutorials 6-9.

**Jack**

-Lynda Java tutorial

**Elliott**

-Youtube tutorials

-Pluralsight

-GitHub

**Joel:**

**-**Pluralsight tutorials

-Youtube tutorials

**We feel we need help with the following issues:**

**[Insert response here.]**

**Hashing concerns**

**GitHub**

**Other comments/questions:**

**[Insert response here.]**

**Ask logan about spring symposium since Blake will be presenting 2 different apps**

**GUI finish - colors, alignment, location / google api**

**Google api start**

**Hide group by swipe**

**Change password**

**To delete yourself from group, setting, leave group**

[**https://www.spaceotechnologies.com/swipe-delete-listview-android-example/**](https://www.spaceotechnologies.com/swipe-delete-listview-android-example/)

**2 Action swipe options (Hide/Leave Group):**

[**http://www.anjadev.com/all/programming/android\_development/swipe-menu-for-list-view-swipemenulistview/**](http://www.anjadev.com/all/programming/android_development/swipe-menu-for-list-view-swipemenulistview/)

**PASSWORD correction on login page (high priority)**

**Register page, cant register with username already taken (high priority)**

[**https://developer.android.com/training/maps/index.html**](https://developer.android.com/training/maps/index.html)

[**https://developer.android.com/training/location/retrieve-current.html**](https://developer.android.com/training/location/retrieve-current.html)

**Toggle location by group using each list-view object. Put current location in user-groups table, and set that equal to null when toggle is switch to off**

**Capstone Team Status Report**

**Due each Monday by noon.**

**Rename this document to *reportweek#* before turning it in to your Oncourse group folder.**

**Group Name: Team 48**

**Date: 3/4/18**

**Group Members:** Blake Bowdoin, Elliott Burkett, Jack Sills, Joel Shellabarger

**Describe your team’s overall progress so far:**

**[Insert response here.]**

We have 5 of our 7 high priority features done along with all necessary PHP scripts for these features. We also have the PHP for the 6th feature nearly completed. Have all the bugs found in the meeting with Dan and Brian fixed, working towards having a working map.

**In the last week, the team accomplished:**

**[Insert response here – list what each member accomplished as well as any group work that was completed.]**

**Blake:**

**-**Finished fixing bugs in the PHP of create group and member add.

-Added necessary columns to the Database to store to User's current position

**Elliott:**

-Worked on hashing PHP passwords.

-Helped Jole with view-groups

-SCRUM adjustments

**Jack:**

-Finished our Sprint Backlog

-Worked on join group functionality

-Worked on fixing sprint SCRUM board

**Joel:**

-Finished View Group Feature, works completely

-Created and nearly completed the View Map PHP

**In the next week, we plan on accomplishing:**

**[Insert response here – list each group member’s task(s) for the coming week.]**

**Blake:**

**-**Understanding Google API for the View Map feature.

-Fixing Login Bugs

**Jack:**

**-**Getting our Google location API started and work on getting location features in Android Studio

**Elliott:**

-Work on Google API and continue improvement on GUI through android studio.

- Work on our toggle location switch through Android Studio

-Getting login and passwords fixed

-allowing users to leave a group

**Joel:**

-Getting a large portion of the View Group completed

-Fix Login bugs

**Our specific goals for the remainder of the academic year are:**

**[Insert response here – list a set of goals for each member.]**

**Blake:**

**-**Get the map portion of the application done and bug free.

**Jack:**

**-**Make sure the group function works for both the User creating the group, and the User(s) joining the group

**Elliott:**

-Making sure users can create groups, add friends and view friends on map

-finish all high priority functions

**Joel:**

-Allow users in the same group to see each other's locations on a map.

**We have completed the following technology training options:**

**[List a response for each group member.]**

**Blake:**

**-**Udacity Java Programming Basic

**Jack:**

**-**Youtube tutorials on android studio.

**Elliott:**

**-**Youtube tutorial over Java and Android Studio

-Youtube series on GitHub

-Some Udacity

**Joel:**

-Udacity and Youtube tutorials on Java/Android Studio

**Our members plan on completing the following technology training options:**

**[List a response for each group member here.]**

**Blake**:

-Pluralsight android tutorials 6-9.

**Jack**

-Lynda Java tutorial

**Elliott**

-Youtube tutorials

-Pluralsight

-GitHub

**Joel:**

**-**Pluralsight tutorials

-Youtube tutorials

**We feel we need help with the following issues:**

**[Insert response here.]**

**GitHub**

**Other comments/questions:**

**[Insert response here.]**

**-Blake has 2 apps he has present at the symposium, how is that going to work?**

**Capstone Team Status Report**

**Due each Monday by noon.**

**Rename this document to *reportweek#* before turning it in to your Oncourse group folder.**

**Group Name: Team 48**

**Date: 3/26/18**

**Group Members:** Blake Bowdoin, Elliott Burkett, Jack Sills, Joel Shellabarger

**Describe your team’s overall progress so far:**

**[Insert response here.]**

We have 5 of our 7 high priority features done along with all necessary PHP scripts for these features. Currently working on loading the correct information in the map when a user clicks on a specific group, as well as asking for location permissions. We are also correcting bugs as we work toward our finished app.

**In the last week, the team accomplished:**

**[Insert response here – list what each member accomplished as well as any group work that was completed.]**

**Blake:**

**-Sending location to the server once a user has accepted location services**

**-Map partially completed, throws an error when trying to load in a user's coordinates, currently debugging this.**

**Elliott:**

-Worked on login password. PHP

-Worked on change password feature for setting page

-SCRUM adjustments

-Worked on GUI adding features to settings tab

**Jack:**

-Researched location errors, and potential solutions for our problem

- Looked into possibility of adding one time location codes.

**Joel:**

-Created a settings page

-Created toggle location so users can turn of location sharing

**In the next week, we plan on accomplishing:**

**[Insert response here – list each group member’s task(s) for the coming week.]**

**Blake:**

**-Finish Map feature**

**-Finish location update and permissions**

**Jack:**

**-Adding as many android phones to the app at once and testing the map functionality.**

**-Check the map accuracy when moving**

**Elliott:**

-Work on Password being correct while logging in with specific username

-Change Password feature for setting tab

-Adding more functionality to setting tab GUI

-allowing users to leave a group

**Joel:**

-Connect settings page to the others as well as turn location sharing back on

**Our specific goals for the remainder of the academic year are:**

**[Insert response here – list a set of goals for each member.]**

**Blake:**

**-**Get the map portion of the application done and bug free.

**Jack:**

**-**Finish the high priority features and move down the list towards the medium and low to try to improve the app.

**Elliott:**

-Making sure users can create groups, add friends and view friends on map

-finish all high priority functions

**Joel:**

-Allow users in the same group to see each other's locations on a map.

**We have completed the following technology training options:**

**[List a response for each group member.]**

**Blake:**

**-**Udacity Java Programming Basic

**Jack:**

**-**Youtube tutorials on android studio.

-Lynda Java tutorials

**Elliott:**

**-**Youtube tutorial over Java and Android Studio

-Youtube series on GitHub

-Some Udacity

- Video Series on GUI for Android Studio

**Joel:**

-Udacity and Youtube tutorials on Java/Android Studio

**Our members plan on completing the following technology training options:**

**[List a response for each group member here.]**

**Blake**:

-Pluralsight android tutorials 6-9.

**Jack**

-Lynda Java tutorial

**Elliott**

-Youtube tutorials

- Stack Overflow

-GitHub Gradle Errors

**Joel:**

**-**Pluralsight tutorials

-Youtube tutorials

**We feel we need help with the following issues:**

**[Insert response here.]**

**Other comments/questions:**

**[Insert response here.]**

[**https://developers.google.com/maps/documentation/android-api/current-place-tutorial**](https://developers.google.com/maps/documentation/android-api/current-place-tutorial)

[**https://stackoverflow.com/questions/31938469/why-my-login-form-allowing-users-to-login-with-correct-username-but-incorrect-p**](https://stackoverflow.com/questions/31938469/why-my-login-form-allowing-users-to-login-with-correct-username-but-incorrect-p)

[**https://stackoverflow.com/questions/18814483/incorrect-username-password-message-and-redirect**](https://stackoverflow.com/questions/18814483/incorrect-username-password-message-and-redirect)

**For adding toolbar:**

[**https://www.youtube.com/watch?v=DMkzIOLppf4**](https://www.youtube.com/watch?v=DMkzIOLppf4)

**Checking username & email already exist**

[**http://codewithawa.com/posts/check-if-username-is-already-taken-with-php-and-mysql**](http://codewithawa.com/posts/check-if-username-is-already-taken-with-php-and-mysql)

**If username already exists**

[**https://stackoverflow.com/questions/20296777/trying-to-check-if-username-already-exists-in-mysql-database-using-php**](https://stackoverflow.com/questions/20296777/trying-to-check-if-username-already-exists-in-mysql-database-using-php)

**Code for changing password, updating database**

[**https://stackoverflow.com/questions/27889524/allow-user-to-change-password**](https://stackoverflow.com/questions/27889524/allow-user-to-change-password)

**Code for checking password:**

[**https://stackoverflow.com/questions/31938469/why-my-login-form-allowing-users-to-login-with-correct-username-but-incorrect-p**](https://stackoverflow.com/questions/31938469/why-my-login-form-allowing-users-to-login-with-correct-username-but-incorrect-p)

**How to install app to phone:**

[**https://wiki.appcelerator.org/display/guides2/Deploying+to+Android+Devices**](https://wiki.appcelerator.org/display/guides2/Deploying+to+Android+Devices)

**How to change Icon of app**

[**https://www.youtube.com/watch?v=SDKwNh0TioE**](https://www.youtube.com/watch?v=SDKwNh0TioE)

**Team Story (Video):**

**Each person intro, role, brief overview, what did you learn, what advice to upcoming capstone students?**

**Blake- Co-Lead Developer, learned Java and Android Development over the course of the project. The advice I have for incoming Capstone students is to get started as early as possible and work hard of your technical assignment in the Fall semester as they will help you a lot in the Spring. As well as to not slack off, many teams we talked to were only halfway done with their high priority features with only a couple weeks left.**

**Elliott- Design, Worked on GUI, helped with PHP, learned Android Studio and Java.**

**Advice: find good teammates and stay ahead of schedule. Use youtube and stackoverflow as they will help greatly. Go to class the first semester and don't get behind on the proficiencies.**

**Joel- Co-Lead Developer, learned Java in order to create the application for Android devices. The Advice I have for upcoming capstone students is to work hard from the beginning and do the Tech Proficiencies completely. Many teams slack off right away as there is plenty of time, but it helps greatly to start strong.**

**Jack- I helped to apply the Google API, worked on testing and poster design, learned Java and Android Studio. Advice for future Capstone Projects: work smarter, not harder, it is easy to slack off in the first semester, but by following the steps and planning how to approach the project you will have a much easier time putting it together in the end. Make sure to have good communication in your group and use each other to overcome issues that you will have, youtube and stackoverflow are useful but working together on it will be most beneficial.**

**Capstone Poster:**

**Why we created FindMe?**

* **To help Android users find each other quickly and with ease**

**Who it benefits?**

**All android users who download the application and need help locating other friends**

**About us sections:**

**Pictures: US, different screens from app**

**Usability:**

**Scenario: You are with a group of friends, and get lost downtown. With our app, you could have created a group with all of those friends before going out, and know where they are at all times. This way, if one friend does get lost, you can find them easily by using FindMe group map to find all users in that specific group.**

**Capstone Team Status Report**

**Due each Monday by noon.**

**Rename this document to *reportweek#* before turning it in to your Oncourse group folder.**

**Group Name: Team 48**

**Date: 4/8/18**

**Group Members:** Blake Bowdoin, Elliott Burkett, Jack Sills, Joel Shellabarger

**Describe your team’s overall progress so far:**

**[Insert response here.]**

We have 7 of our 7 high priority features done along with all necessary PHP scripts for these features. Next step is to connect all of the features and finish implementation of all of them, as well as finish design of the pages.

**In the last week, the team accomplished:**

**[Insert response here – list what each member accomplished as well as any group work that was completed.]**

**Blake:**

-Validating the User's information when the try to login or register inside of the application

-Worked on team deliverables for Final Submission

**Elliott:**

-Worked on team deliverables for Final Submission

-SCRUM adjustments

-Worked on PHP for changing password

**Jack:**

-Finished our Sprint Backlog

-Worked on join group functionality

-Worked on fixing sprint SCRUM board

**Joel:**

-Added feature so users can be added to existing groups

-Added toolbars to pages as well as menus

**In the next week, we plan on accomplishing:**

**[Insert response here – list each group member’s task(s) for the coming week.]**

**Blake:**

-Test ALOT to find bugs and fix them

-Finish polishing the application

-Finish team deliverables

**Jack:**

**-**Getting our Google location API started and work on getting location features in Android Studio

**Elliott:**

- Work on finishing team deliverables

- Go to Michaels to get Poster backed and finished

- Test app for bugs, and problems

- Finish priorities before Capstone fair

**Joel:**

-Fix toggle on location

-Finish deliverables

**Our specific goals for the remainder of the academic year are:**

**[Insert response here – list a set of goals for each member.]**

**Blake:**

**-**Get the app bug free and looking better.

**Jack:**

**-**Make sure the group function works for both the User creating the group, and the User(s) joining the group

**Elliott:**

-Making sure users can create groups, add friends and view friends on map

-finish all deliverables before Capstone Fair

**Joel:**

-Polish the app to make it look better

-Try to break it and find bugs

**We have completed the following technology training options:**

**[List a response for each group member.]**

**Blake:**

**-**Udacity Java Programming Basic

**Jack:**

**-**Youtube tutorials on android studio.

**Elliott:**

**-**Youtube tutorial over Java and Android Studio

-Youtube series on GitHub

**Joel:**

-Udacity and Youtube tutorials on Java/Android Studio

**Our members plan on completing the following technology training options:**

**[List a response for each group member here.]**

**Blake**:

-Pluralsight android tutorials 6-9.

**Jack**

-Lynda Java tutorial

**Elliott**

-Youtube tutorials

-GitHub

**Joel:**

**-**Pluralsight tutorials

-Youtube tutorials

**We feel we need help with the following issues:**

**[Insert response here.]**