**Use Case Document**

**Who’s in Range**

**CIT-360 Object Oriented Programming**

**Section 4, Professor Brad Lawrence**

**12/17/2019**

# First Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Login | | | |
| **Created By:** | Braden Harada and Jeremy Reeder | | **Last Updated By:** | B. Harada |
| **Date Created:** | 12/17/2019 | | **Last Revision Date:** | 12/17/2019 |
|  | |  | | |
| **Description:** | | User attempts to login to the app | | |
| **Actors:** | | User | | |
| **Preconditions:** | | 1. User has valid login credentials | | |
| **Postconditions:** | | 1. User gains access | | |

# Second Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Setting Coordinates | | | |
| **Created By:** | Braden Harada and Jeremy Reeder | | **Last Updated By:** | B. Harada |
| **Date Created:** | 12/17/2019 | | **Last Revision Date:** | 12/19/2019 |
| **Summary** | | The actions taken by the user to get to the Coordinates Screen and the user setting their coordinates of their radio antenna | | |
| **Version:** | | 1.10 | | |
| **Preconditions:** | | 1. Know latitude  2. Know longitude  3. Know Elevation | | |
| **Triggers:** | | After the user logs into the app and if no coordinates are found for the users radio | | |
| **Main Success Scenario:** | | 1. User enters known latitude  2. User enters known longitude  3. User enters known elevation | | |
| **Alternative Success Scenario:** | | 1. User selects option for the GPS location of the local device to be used  1.1 Coordinates are verified and elevation is estimated using Google Maps or another known geographical location database | | |
| **Postconditions:** | | 1. Coordinates are stored in the database | | |
| **Business Rules:** | | N/A | | |

# Third Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Find Users within range | | | |
| **Created By:** | Braden Harada and Jeremy Reeder | | **Last Updated By:** | B. Harada |
| **Date Created:** | 12/17/2019 | | **Last Revision Date:** | 12/17/2019 |
|  | |  | | |
| **Description:** | | User searches for other users they can communicate with | | |
| **Actors:** | | User | | |
| **Preconditions:** | | 1. Have coordinates set | | |
| **Postconditions:** | | 1. Other users may be found, depending on the other users in the area | | |