

REPORT SPRINT 1

1. Completed tasks:

- a. Revised the basics of Android development through documentations on Android Developers page and going quickly through online courses on Udacity, including:
 - Developing Android Apps (how to build a cloud-connected Android app and the best practices of Android development)
 - Android Basics: Data Storage
- b. Did research on the IndoorAtlas
 - Studied the mapping principles and the general steps to develop a mobile application using IndoorAtlas.
 - Looked at list of available tools and the requirements of the testing device to be able to use these IndoorAtlas utilities. Looked for available Androids that meet these requirements.
 - Ran the sample application on an actual Android device
- c. Created location and floor plan for the library on IndoorAtlas
 - Scanned and modified the image file containing the map of the floors at the library and uploaded it to the IndoorAtlas floor planning tool.
- d. Asked for access to the database of all the books in the library
 - Met with a librarian and discussed possible options of obtaining a database containing all the books
 - Got an API for the database

2. Outstanding tasks:

- Set up the map interface on the app

3. Challenges:

- Have not obtained an actual Android device of my own. This prevents me from continuing the mapping steps on the instructions of IndoorAtlas

4. Upcoming tasks:

- Obtain an actual Android device that meets all the requirements of IndoorAtlas
- Continue the mapping steps on IndoorAtlas to add waypoints and measurements for the map
- Create the map interface
- Create the simple search interface
- Studied the database of the library's materials