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**REPORT SPRINT 1**

1. **Completed tasks:**
2. 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

1. 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

1. 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.

1. 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

1. **Outstanding tasks:**

* Set up the map interface on the app

1. **Challenges:**

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

1. **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