

# Libraworks Milestone Master Plan

Grant Saylor, Kyle Smith, Anthony Tran, Jiayi Xu

*Libraworks' Virtual Library*

01/28/2021

## **SPRINT 2:**

**Milestone Objective:**

*Mapping and Searching: Map and Search Functionality*

***Grant Saylor:***

**Development Focus:**

**Adding Pins and Associated UI to Map**

**Estimated Development Time: 9 hours (overestimation)**

**Notes:**

Grant will need to figure out how to add more pins to the map. This could be adding a button and when clicked it allows you to add a pin in your area. When this pin is tapped it will pop up how many books are there and the name of the library. This data is then associated to the database. This will include using the layout editor and Firebase database. Grant and Kyle will work on the Mapping team of this sprint.

**Amendments to Original Plan:**

***Kyle Smith:***

**Development Focus:**

Working on Filling out the Database

**Estimated Development Time: 9 hours (overestimation)**

**Notes:**

Kyle will work on figuring out how to add library location data to the database, whether that is an address or lat/longitude, etc. This is associated with the map screen and he will work to organize this data in the Firebase database. This will include using the layout editor and Firebase database. Kyle and Grant will work on the Mapping team of this sprint.

**Amendments to Original Plan:*****Anthony Tran:*****Development Focus:**

Querying the Database (Book Search)

**Estimated Development Time: 9 hours (overestimation)**

**Notes:**

Anthony will work on building out the UI and functionality for querying the database on the Book Search screen which is accessed via the main screen of the app, this is to see all books in the app ecosystem, presenting the appropriate books at the appropriate library. This will include using the layout editor and Firebase database. Anthony and Jiayi will work on the Searching team of this sprint.

**Amendments to Original Plan:*****Jiayi Xu:*****Development Focus:**

## Querying the Database (Library Screen Book Search)

**Estimated Development Time: 9 hours (overestimation)**

### **Notes:**

Jiayi will work on building out the UI and functionality for querying the library circulation screen, which is to see what books are in one specific library. This will include using the layout editor and Firebase database. Jiayi and Anthony will work on the Searching team of this sprint.

### **Amendments to Original Plan:**