**Libraworks Milestone Master Plan**

**Grant Saylor, Kyle Smith, Anthony Tran, Jiayi Xu**

***Libraworks’ Virtual Library***

**01/14/2021**

**SPRINT 1:**

**Milestone Objective:**

*Database Usability: Database Structure and Login Functionality*

***Grant Saylor:***

**Development Focus:**

Login Screen Interfacing with Database

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

**Notes:**

Figuring out how to connect the login screen activity with the Firebase database (i.e. I have registered my account, is it now in the Firebase?) Authentication via Google?

**Amendments to Original Plan:**

***Kyle Smith:***

**Development Focus:**

Filling out the Firebase NoSQL database

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

**Notes:**

Determining the file system structure, how are files going to be appropriately stored into our database? How are multiple copies of books handled?

**Amendments to Original Plan:**

***Anthony Tran:***

**Development Focus:**

User Interface for Registration and Privacy Policy Integration

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

**Notes:**

**Amendments to Original Plan:**

***Jiayi Xu:***

**Development Focus:**

Storing the JSON information in the Firebase and Utilizing it in the App.

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

**Notes:**

Once we grab the information from the OpenLibrary API we need to use the JSON to display appropriate information in the application (display book cover, author name, etc.) Jiayi will research and code this functionality.

**Amendments to Original Plan:**

**SPRINT 2:**

**Milestone Objective:**

*Mapping and Searching: Map and Search Functionality*

***Grant Saylor:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

***Kyle Smith:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

***Anthony Tran:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

***Jiayi Xu:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**SPRINT 3:**

**Milestone Objective:**

*User Accounts:**User Account Features*

***Grant Saylor:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

***Kyle Smith:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

***Anthony Tran:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

***Jiayi Xu:***

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

**SPRINT 4:**

**Milestone Objective:**

*Synergy: Ensuring All Screens Connect and Interact Properly*

**Grant Saylor:**

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

**Kyle Smith:**

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

**Anthony Tran:**

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**

**Jiayi Xu:**

**Development Focus:**

**Estimated Development Time:**

**Notes:**

**Amendments to Original Plan:**