Sprint Progress Report

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| Date | 2/2/2021-2/8/2021 |
| Group name | ***Libraworks’ Virtual Library*** |
| Group members | **Anthony Tran, Grant Saylor, Kyle Smith, Jiayi Xu** |
| Sprint # | 2 |

1. List the tasks done by each member

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| Member name | Tasks worked on during sprint |
| **Grant Saylor** | **Grant worked on adding pins to the map, additionally he updated the map screen UI by moving all the buttons to a different activity and including the map activity into it (layering them), this is the appropriate way to handle a activity like our map screen. He sought help from the group to fix issues with pulling information from the database onto the map. The map now pushes and pulls pins so every user can see the same libraries on the map. He fulfilled his milestone goal.** |
| **Kyle Smith** | **Kyle continued to work on the barcode scanner functionality, he added hierarchies to the database to allow every book to have its information stored without being overwritten when we use the app again (multiple things can be stored.) Additionally, he added the ability to read from the database. He fulfilled his milestone goal.** |
| **Jiayi Xu** | **Jiayi grabbed information from Firebase for the library view to modify the UI to search for books/populate them on the screen. She is working on redoing the UI to prevent duplicate books. She provided many resources to the group to solve issues that others were having.** |
| **Anthony Tran** | **Anthony implemented the search function to the search activity (all books in the database) He is able to pull information from the database and ensured the query is case-insensitive to allow any string to perform a search. Substrings also work (i.e. “Harry” will return “Harry Potter and the…. Xx”) Anthony contributed to refactoring code in the Maps Activity to allow the app not to crash. He fulfilled his milestone goal.** |

1. What went well during this sprint?

**The group was able to work separately but also together when needed and was able to troubleshoot all of our issues and resolve them quickly to complete the sprint.**

1. What didn’t go well and could have been done better?

**Multiple of us had issues with the event listener due to minor syntactical issues/ordering of code, but as stated above the group came together to fix these issues promptly.**

**On the map screen we were incorrectly reading from the database, on the barcode the code was not appropriately ordered.**

**The OpenLibrary API was briefly down due to a DDOS attack but works again.**

1. What are the next action items (for the next sprint)?

**The next step is to work on user account features as outlined in the Sprint 3 Milestone Master Plan**