**Software Test Document**

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

***Libraworks’ Virtual Library***

**11/12/2020 – 4/26/2021**

***Matrix:***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***ID #*** | ***Priority*** | ***Req Desc*** | ***Precondition*** | ***Steps*** | ***Test Data*** | ***Expected Result*** | ***Actual*** | ***Pass/***  ***Fail*** | ***Tester*** | ***Date*** |
| 1 | High | Access to the device’s GPS | User auth for location service | Auto prompt upon app opening | <Valid hardware with Android 8.0 or higher> | The map will zoom to the user’s location | Same as expected | **Pass** | Grant | 4/26/2021 |
| 2 | High | Internet connection on user’s device | Device connected to WIFI or mobile data | Opening the app | <Established internet connection> | The app will run without a warning | The app prompts a warning | **Fail** | Jiayi | 4/26/2021 |
| 3 | High | Access to Virtual Library database(s) (User database, Inventory database, sorted databases for books/users) | Internet connection, working camera module | Navigating to the checkout page | <Working camera>  <Working internet connection> | The user scans a book and sends it to the Firebase | Same as expected | **Pass** | Kyle | 4/26/2021 |
| 4 | High | Access to the map API | Valid API key | No user steps, embedded in the code | <Access to map screen> | Map will load | Map displays blank screen | **Fail** | Anthony | 4/26/2021 |
| 5 | High | Access to privacy policy/Terms and conditions | User begins registration process | User taps login/register and agrees to terms | <Valid internet connection> | User can read the entire TOS/Privacy and click agree | “No internet connection” page is displayed | **Fail** | Anthony | 4/26/2021 |
| 6 | High | Access to the device’s camera | User grants access on the checkout page | User goes to checkout a book and clicks allow for the camera | <Camera module> | The viewfinder displays the rear camera | Same as expected | **Pass** | Grant | 4/26/2021 |
| 7 | High | Access to the book database API | Valid API | User searchers for a book or checks out a book | <Internet connection> <Camera module> <Access to Firebase> | The book API uses the ISBN to retrieve the book metadata | Same as expected | **Pass** | Jiayi/Kyle | 4/26/2021 |