**Behavioral Testing Record**

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| Scanning | | |
| **Test Case** | **Expected Result** | **Log Notes** |
| Scan ISBN | Correct ISBN is returned |  |
| Scan to borrow | Owner is notified | Notification of appropriate type is added to Owner’s Notification collection in FirebaseFirestore |
| Scan to return | Owner is notified | Notification of appropriate type is added to Owner’s Notification collection FirebaseFirestore |
| Scan to confirm borrow | Borrower is notified, Book moves to Borrowed Collection of Borrower, book status changes to Borrowed | -Book is moved from borrower’s “Accepted” collection and moved to “Borrowed” collection.  -Book status is updated to “borrowed”  -Borrower is notified |
| Scan to confirm return | Borrower is notified, Book is deleted from Borrowed Books Collection of Borrower, book status changes to Available | -Book is removed from Borrower’s “Borrowed Books” collection  -Borrower is notified  -Book status is changed to available |
| Scan wrong book ISBN | Error message is displayed, owner is not notified | Error message is appropriately displayed and prevents user from borrowing, returning, lending, or accepting a returned book that does not match the scanned ISBN |
| Map | | |
| **Test Case** | **Expected Result** | **Log Notes** |
| Navigate to location and place marker on map | Location is correctly stored in FirebaseFirestore as Geopoint coordinates | -Correctly stored in FirebaseFirestore |
| View location set by owner | Location is properly marked on viewing page | -Location with marker appears in checkout book page |