Project Milestone 5 - Test Plan

Project Title: Books4Bargain
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Plan:

We will perform these tests before the site goes live using dummy accounts and fake transactions. Once the site actually goes live the transaction history and all data (Books, Transactions, Users) will be cleared from the Firebase database. Then we will create a second version (QA) of our application that communicates with a Test Database and only use the live production version (PROD) for real transactions and users. The only difference between the two versions will be a few lines in the FirebaseConfig.json file, telling it which database to communicate with. Once the PROD version goes live QA environment will be used exclusively for testing, with a quick smoke test on PROD for every update.

Search Page Tests

GIVEN	The User has entered a book title into the search box
WHEN	The User clicks the "Search" button to begin the search
THEN	The Application will display the results page which is populated with results of books with matching titles

GIVEN	The User has entered an author name into the search box
WHEN	The User clicks the "Search" button to begin the search
THEN	The Application will display the results page which is populated with results of books with matching author names

GIVEN	The User has entered an ISBN into the search box
WHEN	The User clicks the "Search" button to begin the search
THEN	The Application will display the results page which is populated with results of books with matching author names

GIVEN	The User has not entered any search terms into the search box
WHEN	The User clicks the "Search" button to begin the search
THEN	The Application will remain on the same page and not display any results.

GIVEN	The User has entered a string that does not match any results into the search box
WHEN	The User clicks the "Search" button to begin the search
THEN	The Application will display the results page with no results will showing up and the words "No Results Found" will be displayed instead.

Account Page

GIVEN	The User is logged into their account
WHEN	The User navigates to the Account Page
THEN	The Application will display the Account Page and it will be populated by the correct user's data

GIVEN	The User is Logged in and has a transaction history
WHEN	The User navigates to the Account Page
THEN	The Application will display the User's transaction history in a list sorted by timestamp

GIVEN	The User is Logged in and makes a transaction (sale or purchase)
WHEN	The User navigates to the Account Page
THEN	The Application will display the User's updated transaction history and it will include the most recent transaction

GIVEN	The User is Logged in and makes a purchase
WHEN	The User navigates to the Account Page
THEN	The Application will display the User's updated transaction history and it will include the most recent transaction

GIVEN	The User is Logged in and makes a sale
WHEN	The User navigates to the Account Page
THEN	The Application will display the User's updated transaction history and it will include the most recent transaction

Message Page

GIVEN	The User is NOT logged in
WHEN	The User navigates to the Messages Page
THEN	The Application will bring the User to the login page

GIVEN	The User is logged in and has one or more active conversations
WHEN	The User navigates to the Messages Page
THEN	The Application will display a list of the User's conversations

GIVEN	The User is logged in and has no active conversations
WHEN	The User navigates to the Messages Page
THEN	The Application will display "No active conversations"

GIVEN	The User is logged in and on a product page
WHEN	The User clicks the "contact seller" button
THEN	The Application will open the messages page and compose a new message to that seller