

Hop Industries QA Engineer Checklist

Clone your partner's Github repository to your machine. They will have multiple projects. Find their Week 2 project. Open their project and run it. Go through the following test scenarios by USING their program. Each test case either passes or fails.

Show Available Books

- *Test Scenario:* Click on "Show Available Books."
- *Expected Result:* The program displays a list of books that are not checked out, showing the Id, ISBN, and Title.
- *Pass/Fail:* [Pass] / [Fail]

Check Out a Book

- *Test Scenario:* Choose a book from the available books list and select the "Check Out" option. Provide your name when prompted.
- *Expected Result:* The program checks out the selected book, updating the book's `isCheckedOut` and `checkedOutTo` properties.
- *Pass/Fail:* [Pass] / [Fail]

Show Checked Out Books

- *Test Scenario:* Click on "Show Checked Out Books."
- *Expected Result:* The program displays a list of books that are currently checked out, showing the Id, ISBN, Title, and the name of the person who has the book checked out.
- *Pass/Fail:* [Pass] / [Fail]

Check In a Book

- *Test Scenario:* Choose a book from the checked out books list and select the "Check In" option.
- *Expected Result:* The program checks in the selected book, updating the book's `isCheckedOut` and `checkedOutTo` properties.
- *Pass/Fail:* [Pass] / [Fail]

Exit the Application

- *Test Scenario:* Select the "Exit" option from the home screen.
- *Expected Result:* The program successfully exits without errors.
- *Pass/Fail:* [Pass] / [Fail]

Inventory Size

- *Test Scenario:* Verify that the inventory contains at least 20 books.
- *Expected Result:* The program's inventory contains 20 or more books.
- *Pass/Fail:* [Pass] / [Fail]

Error Handling (Invalid Input)

- *Test Scenario:* Attempt to check out a book with an invalid ID or without providing a name.
- *Expected Result:* The program handles the error gracefully, providing appropriate feedback or prompts.
- *Pass/Fail:* [Pass] / [Fail]