**Software Testing**

**Assignment - 1**

**Submitted** by

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**TEST CASES FOR BOOK STORE APPLICATION USING ROBOT FRAMEWORK:**

Firstly, make sure you have Robot Framework and SeleniumLibrary installed.

**You can install them using the following commands:**

**pip install robotframework**

**pip install robotframework-seleniumlibrary**

Now, you can create a new Robot Framework test suite for your React application.

Let's assume your test suite file is named **`test\_suite.robot`:**

**Settings**

Library SeleniumLibrary

**Variables**

${BASE\_URL} http://localhost:3000

**Test Cases** **:**

**Open Home Page**

Open Browser ${BASE\_URL} browser=chrome

Maximize Browser Window

Title Should Be Home

Close Browser

**Create Book**

Open Browser ${BASE\_URL} browser=chrome

Maximize Browser Window

Click Element

Title Should Be Create Book

Close Browser

**Show Book Details**

Open Browser ${BASE\_URL} browser=chrome

Maximize Browser Window

Click Element

Title Should Be Book Details

# Add steps to verify book details

Close Browser

**Edit Book**

Open Browser ${BASE\_URL} browser=chrome

Maximize Browser Window

Click Element

Title Should Be Edit Book

# Add steps to edit the book and save changes

Close Browser

**Delete Book**

Open Browser ${BASE\_URL} browser=chrome

Maximize Browser Window

Click Element

Title Should Be Delete Book

# Add steps to confirm and delete the book

Close Browser

**Switch to Card View**

Open Browser ${BASE\_URL} browser=${BROWSER}

Maximize Browser Window

Click Element

Page Should Contain Element

# Add additional checks for the card view if needed

Close Browser

**Switch to Table View**

Open Browser ${BASE\_URL} browser=${BROWSER}

Maximize Browser Window

Click Element

Page Should Contain Element

# Add additional checks for the table view if needed

Close Browser

**Navigate to Create Book Page**

Open Browser ${BASE\_URL} browser=${BROWSER}

Maximize Browser Window

Click Element

Title Should Be Create Book

Close Browser

**Click on Add Book Icon**

Open Browser ${BASE\_URL} browser=${BROWSER}

Maximize Browser Window

Click Element

Title Should Be Create Book

Close Browser

**Open Create Books Page**

Open Browser ${BASE\_URL}/books/create browser=${BROWSER}

Maximize Browser Window

Page Should Contain Element

Close Browser

**Create Book - Valid Data**

Open Browser ${BASE\_URL}/books/create browser=${BROWSER}

Maximize Browser Window

Input Text Science

Input Text Saad

Input Text 2022

Click Element

Page Should Contain Book Created successfully

Location Should Be ${BASE\_URL}/

Close Browser

**Create Book - Empty Fields**

Open Browser ${BASE\_URL}/books/create browser=${BROWSER}

Maximize Browser Window

Click Element

Page Should Contain Error

Close Browser

**Create Book - Invalid Data**

Open Browser ${BASE\_URL}/books/create browser=${BROWSER}

Maximize Browser Window

Input Text 123

Input Text #\*&

Input Text invalid Year

Click Element

Page Should Contain Error

Close Browser

Show Book Details

Open Browser ${BASE\_URL}/books/details/1 browser=${BROWSER}

Maximize Browser Window

Page Should Contain Element [text()='Id']

Page Should Contain Element [text()='Title']

Page Should Contain Element [text()='Author']

Page Should Contain Element [text()='Publish Year']

Page Should Contain Element [text()='Create Time']

Page Should Contain Element [text()='Last Update Time']

Close Browser

**Show Book - Valid Data**

Open Browser ${BASE\_URL}/books/details/1 browser=${BROWSER}

Maximize Browser Window

Page Should Contain Element [contains(text(),'Id')]

# Add similar checks for other book details

Close Browser

**Show Book - Nonexistent ID**

Open Browser ${BASE\_URL}/books/details/nonexistent\_id browser=${BROWSER}

Maximize Browser Window

Page Should Contain Element [text()='Show Book']

Page Should Contain Error

Close Browser

**Open Edit Book Page**

Open Browser ${BASE\_URL}/books/edit/1 browser=${BROWSER}

Maximize Browser Window

Page Should Contain Element [text()='Edit Book']

Close Browser

**Edit Book - Valid Data**

Open Browser ${BASE\_URL}/books/edit/1 browser=${BROWSER}

Maximize Browser Window

Input Text My Updated Book

Input Text Updated Author

Input Text 2023

Click Element [text()='Save']

Page Should Contain Book Edited successfully

Location Should Be ${BASE\_URL}/

Close Browser

**Edit Book - Empty Fields**

Open Browser ${BASE\_URL}/books/edit/1 browser=${BROWSER}

Maximize Browser Window

Click Element [text()='Save']

Page Should Contain Error

Close Browser

**Edit Book - Invalid Data**

Open Browser ${BASE\_URL}/books/edit/1 browser=${BROWSER}

Maximize Browser Window

Input Text Invalid Year

Click Element [text()='Save']

Page Should Contain Error

Close Browser

**Open Delete Book Page**

Open Browser ${BASE\_URL}/books/delete/1 browser=${BROWSER}

Maximize Browser Window

Page Should Contain Element xpath=//h1[text()='Delete Book']

Close Browser

**Delete Book - Confirm**

Open Browser ${BASE\_URL}/books/delete/1 browser=${BROWSER}

Maximize Browser Window

Click Element [text()='Yes, Delete it']

Page Should Contain Book Deleted successfully

Location Should Be ${BASE\_URL}/

Close Browser

**Delete Book - Cancel**

Open Browser ${BASE\_URL}/books/delete/1 browser=${BROWSER}

Maximize Browser Window

Click Element [text()='Cancel']

Location Should Be ${BASE\_URL}/books/details/1

Close Browser