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|  | 2021-22 |
| **School of Computing, Engineering and Mathematics** |
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|  | **5001CEM**  **Software Engineering**  **Test Regime Template** |
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**Test Regime**

**1 Developer name / SID**

Harinderveer Singh – 10267530

**2 Project**

The project is bookshop web application with registration, login, logout, shop page, add new books page, stock control page. There is no option to add the books to the shopping cart and checkout, there is limited data and there is no focus on the user interface and security.

**3 Test scope**

Functionality testing on:

- Registration

- Login

- Shop page

- Adding books to database

3.1 out of scope

- Security

- User interface

**4 Test time**

60 mins

**5 Test regime**

4.1 Registration (5 mins)

.1 Register new account

Test 1: Register a new account with new details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

.2 Usernames already in use should not be allowed to be used again

Test 2: Register new user but with username: customer1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

4.2 Login (10 mins)

.1 Login with existing user details

Test 1: Login with existing customer details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 2: Login with correct username but wrong password

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 3: Login with wrong username but correct password

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 4: Login with the new account created on test 4.1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

4.3 Shopfront (30 mins)

.1 System deals with n-sized data

Test 1: The number of database records should match with the number of books display on homepage

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 2: Delete one of the records from database and repeat Test 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

.2 If book quantity is 0 it should not be shown on the homepage, but should be shown in stock level

Test 1: Set quantity to 0 on one of the records and check homepage.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 2: Set quantity to 0 on one of the records and check stock level.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

.3 Only the admin should be able to open stock level page and add book page

Test 1: Login as admin open stock level page

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 2: Login as admin open add book page

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 3: Login as customer open stock level page

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 4: Login as customer open add book page

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

4.4 Adding books (15 mins)

.1 Books can be added only if you fill all the details in the form

Test 1: Add a new book – fill all details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 2: Add a new book – without filling book description and quantity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |

Test 3: Add a new book – fill all details (set retail price to two decimal points)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pass | Yes / No | Fail | Yes / No | Comments |  |