CS5394

Advanced Software Engineering Project

Library Management System

Submitted by-

Harshitha Srinivas

Yasaswini Veluvolu

TEST CASE – 1 UNIQUE LIBRARY CARD

|  |  |
| --- | --- |
| In order to get a unique library card number, the user needs to sign up first. |  |
| The client goes to my\_card and runs it | Passed |
| This opens an interface named Create user account | Passed |
| It shows different fields namely Card no, Username, Password etc. | Passed |
| The card no is generated by system default for every user. | Passed |
| The client fills up all the details and click on add button | Passed |
| There is next button indicating that same process can be repeated by another client | Passed |
| The back button enables the client to revert back from the portal | Passed |

TEST CASE – 2 FINDING DETAILS OF EACH USER

|  |  |
| --- | --- |
| Run Library System class | Passed |
| It opens an interface of different fields named Add Item, Add User etc. | Passed |
| On the topmost right there is button called Find | Passed |
| When the button was clicked it shows two options namely find user, find item | Passed |
| The find user field is clicked and it shows an interface namely User Details | Passed |
| The interface opens a field named Back, Search and Delete buttons | Passed |
| The admin can enter card no or username or name of the user and click on Search button | Passed |
| The user then can see the name, address, phone number, and library card number for each user. | Passed |

TEST CASE – 3 FINDING CHECKEDOUT BOOKS OR DUE DATE OR FINE

|  |  |
| --- | --- |
| Run Checkout details class | Passed |
| This opens an interface with different options namely Card number, Username etc. | Passed |
| Upon the entering the card number and clicking enter button the user can find the list of checked out items in the bottom right | Passed |
| There is a field called item name in the interface and the item name can be entered there | Passed |
| The user can click on the search button entering the item name | Passed |
| The user then can find the due date and overdue item in the respected fields | Passed |

TEST CASE -4 CHILDREN CAN CHECKOUT ONLY FIVE ITEMS

|  |  |
| --- | --- |
| Run checkout items class | Passed |
| It opens an interface of checkout user details class | Passed |
| There are different fields like card no, item id, category etc. | Passed |
| The user can enter the details and click on checkout | Passed |
| The user details are stored in database and when a card number with user age less than or equal to 12 is trying to checkout more than five items it displays an error message | Passed |
| The message shows Limit Exceeded, and Age should be more than 12 | Passed |

TEST CASE -5 AUDIO/VIDEO MATERIALS

|  |  |
| --- | --- |
| Run checkout items class | Passed |
| It opens an interface of checkout user details class | Passed |
| There are different fields like card no, item id, category etc. | Passed |
| The user can fill out each field and select the category as Audio/Video materials | Passed |
| The category is the set to Audio/Video materials and the remaining fields are filled | Passed |
| The user then clicks on checkout and the due date is displayed for two weeks | Passed |

TEST CASE – 6 CURRENT BEST SELLERS CONDITION

|  |  |
| --- | --- |
| Run checkout items class | Passed |
| It opens an interface of checkout user details class | Passed |
| There are different fields like card no, item id, category etc. | Passed |
| The user can fill out each field and select the category as Books | Passed |
| The user the enters the item name and checks out the book | Passed |
| When the user checks out a book, if the book is current best seller, then a message is popped up saying the book is current best seller | Passed |
| The user can see the due date set to 14 days from the date of checking out the book | Passed |

TEST CASE – 7 AUDIO/VIDEO MATERIALS CHECKOUT TIME

|  |  |
| --- | --- |
| Run checkout items class | Passed |
| It opens an interface of checkout user details class | Passed |
| There are different fields like card no, item id, category etc. | Passed |
| The user can fill out each field and select the category as Audio/Video materials | Passed |
| The category is the set to Audio/Video materials and the remaining fields are filled | Passed |
| The user then clicks on checkout and the due date is displayed for two weeks | Passed |

TEST CASE – 8 OVERDUE FINE

|  |  |
| --- | --- |
| Run Fine class | Passed |
| It opens an interface with buttons namely check, pay, back and empty field | Passed |
| The empty field is filled with item id and the check button is clicked | Passed |
| The fine is displayed, and the user can click on the pay button | Passed |
| If the fine exceeds the price of item a message is popped up saying Fine exceeds price of overdue item | Passed |
| The fine then returns to price of item and the user pays that fine | Passed |

TEST CASE – 9 REFERENCE BOOKS AND MAGAZINES

|  |  |
| --- | --- |
| Run checkout items class | Passed |
| It opens an interface of checkout user details class | Passed |
| There are different fields like card no, item id, category etc. | Passed |
| The user can fill out each field and select the category as Magazines or Reference books | Passed |
| The user enters the remaining details and clicks on checkout | Passed |
| The system then pops a message saying Magazines or Reference Books cannot be checked out. | Passed |

TEST CASE – 10 REQUESTING AN ITEM

|  |  |
| --- | --- |
| Run checkout items class | Passed |
| It opens an interface of checkout user details class | Passed |
| There are different fields like card no, item id, category etc. | Passed |
| The user can fill out each field and select the category. | Passed |
| The user enters the remaining details and clicks on checkout | Passed |
| When the user clicks on checkout if the item is not available it displays a message showing Item not available, please request | Passed |
| The user can click on the request button, and it opens a message box | Passed |
| The user can type a request message with mentioning item id and clicks on request | Passed |

TEST CASE – 11 RENEWING AN ITEM

|  |  |
| --- | --- |
| Run renew item class | Passed |
| This shows an interface of Item id, Category, Item name, Issue date | Passed |
| The user enters item id and searches for it and the remaining details are filled | Passed |
| The user then clicks on renew and the item is renewed | Passed |
| If the item is not available to renew, then a message is popped up saying item cannot be renewed | Passed |
| The user should return the item | Passed |