5. Testing

5.1 Test Plan (Description of Test Items)

5.1.1 Test Item

5.1.1.2 Link testing:

1. Interface test between login, Searching, Rental managing, Home page.

2. The co-rent record created/deleted in rental detail page and show in the rental managing page

3. navigation bar changes after logout.

4. Validate the site for HTML syntax errors

5. The picture links from all the pages

6. Test the rental title show in Home page and Search page can jump to the same detail view page

7. The search Drop-down list show the estate property

9. Test all the button connect to the social media

8. Test all internal links

5.1.1.3 Function testing:

1. Co-rent and cancel the rental record

2. Login and logout as a client role

3. Membership system under customers normal environment

4. Showing all the estates for rent

5. Showing all the clients’ rental record under normal environment

6. Showing the current attribute in the detail page

7. Showing my rental and create navigation in navigation bar

8. Showing the record that satisfy the searching requirement

Showing the estate that available for co-rent in home page, search page.

9. Create a new estate for rent under normal environment

10. Showing the Facebook share and like icon

11. Submit rating of the estate

12. Showing the rating of the estate

5.1.1.4 System testing:

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| --- | --- | --- | --- |
| Task No. | Task Description | Estimated Effort  (Man-days) | Relative Calendar  week |
| 1 | Prepare test specification on |  |  |
|  | -Test control procedures | 8 | 0 |
|  | -Test cases | 7 | 1 |
|  | -Test data | 9 | 2 |
|  | -Testing environment | 6 | 3 4 |
|  |  |  |  |
| 2 | Set up of testing environment | 6 | 5 |
|  |  |  |  |
| 3 | Load test data | 6 | 6 |
|  |  |  |  |
| 4 | Conduct tests | 8 | 7 |
|  |  |  |  |

5.2 Test Specification (Black-box test cases for 2 functions)

5.2.1 Black-Box Testing for booking function:

5.2.1.1 rent an estate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Summary | Steps | Actual Result | Expected Result |
| 1. | Click the co-rent button when there is no one co-rent currently | 1. Click the login to log in as client1 2. Click the Estate title in the home page to enter the detail view 3. Click the co-rent button | Working as expected | pop-up window appears to notify the user co-rent successfully.  The estate will appear in “My Rental” page. |
| 2. | Click the co-rent button when there are one or more than a person co-rent already | 1. Click the login to log in as client1 2. Click the Estate title in the home page to enter the detail view 3. Click the co-rent button 4. Click the logout button 5. Click the login to log in as client2 6. Click the Estate title in the home page to enter the detail view 7. Click the co-rent button | Working  as expected | pop-up window appears to notify the user co-rent successfully in both client1 and client2 cases.  The estate will appear in both Client1 and Client2’s “My Rental” page. |

5.2.1.1 cancel rent an estate

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| --- | --- | --- | --- | --- |
| No. | Summary | Steps | Actual Result | Expected Result |
| 1. | Click the cancel button when the quota of tenants is full and the user has co-rent that estate already | 1. Click the login to log in as client1 2. Click the estate title in “My Rental Page 3. Click the cancel button | Working as expected | pop-up window alerts user “Record deleted”  The estate appear in Home and Search page  The estate disappear in “My Rental” page |
| 2. | Click the cancel button when the user did not co-rent that estate . | 1. Click the login to log in as client1 2. Click the estate title in Home Page 3. Click the cancel button | Working  as expected | pop-up window appears to alert user “Record not found” |

No. Summary Steps Actual Result Expected Result

1 Try to click the purchase button when the quota is zero. 1. Click on the login button to login first.

2. Enter the current quota page and select the last empty seat

3. Click on the submit button and redirect to the credit validation page.

Working as expected If the quota is zero, the customer cannot get the entire booking offer and prefer another cinema.

2 Try to click the purchase button to buy 2 ticket when the quota is 1. 1. Click on the login button to login first.

2. Enter the current quota page and select last two seat

3. Click on the submit button and redirect to the credit validation page. Working as expected If the quota is one, the customer cannot get the entire booking offer and prefer another cinema.

5.2.1.2 Cancellation of booking and refund

No. Summary Steps Actual Result Expected Result

1 Try to cancel the previous booking. 1. Login the membership system

2. Enter the booked page

3. Find out the ticket booking you would like to cancel

4. Confirm the cancellation and check the instruction

5. Wait for the customer service staff to handle the refund and ensure transaction is correct. Working as expected The order of the booking will be cancelled and the payment will refund after 1 month to the register A/C.

The quota of the cinema will increase one.

5.2.2 Black-Box Testing for credit card validation:

No. Summary Steps Actual Result Expected Result

1 Try to complete the transaction of credit card 1. Login first

2. Select an empty seat first

3. Confirm the seat(s)

4. Redirect to the credit card validate

5. Using the credit card system

6. Validate with the two-factor authentication Working as expected The transaction of the credit payment is success.

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