2． 测试基本内容

2.1测试要点

2.2 测试内容

2.3 测试环境

2.4 测试时间

3. 测试规范bug

4.Function testing

4.1Testing items：

User section, Administrator section…(之后根据我们写了啥来添加)

User section：Register, Login, Information Management, Facility Booking

Administrator Section：User Management, Facilities Management, Booking Management and Booking Calendar

4.2 Testing Strategy

In order to ensure every function works normally, tester used equivalence partitioning testing method to choose effective data and ineffective data. For example, the data covers normal operation, boundary conditions, and errors. Then, testers predicted the output and results of the interaction. Finally, testers compared and analyzed the result of the actual test with the prediction to improve the system.

具体的测试我的想法

根据之前的function来写，actor都有的就放在一起写，没有的就分开写。

4.2.1 FR1.1 Registration

|  |  |  |  |
| --- | --- | --- | --- |
| User | | | |
| Test items | Test ID | Test point | Prediction |
| Registration | 1 | Use email or user Id which is already existed to register. | Show alert |
| 2 | The email address is not valid | Show alert |
| 3 | User ID/Email/Password is empty. | Show alert |
| 4 | Password is 5 length. | Show alert |
| 5 | Password is 21 length. | Show alert |
| 6 | Password includes special characters | Show alert |
| 7 | Password validation is empty | Show alert |
| 8 | Password validation is not same with the original password. | Show alert |
| 9 | Password validation is same with the original password. | pass |
| 10 | User ID and email is valid and unique | pass |
| 11 | Password is 6-20 length and only includes letters and number. | pass |

Test recording report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Error Message | Test Results | Bug Classification | Date |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
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| 11 |  |  |  |  |

4.2.2 FR1.2 Login（管理员跟用户还没分开）

|  |  |  |  |
| --- | --- | --- | --- |
| User | | | |
| Test items | Test ID | Test point | Prediction |
| Login | 1 | Use existed account and right password to login. | Login successfully. |
| 2 | Wrong password. | Show alert |
| 3 | Use nonexistent account to login. | Show alert |
| 4 | Password is empty. | Show alert |
| 5 | User ID/Email is empty. | Show alert |

Test recording report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Error Message | Test Results | Bug Classification | Date |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

4.2.3

Information Management (Account Recovery and User Account Information Update)

Test prediction scheme

|  |  |  |  |
| --- | --- | --- | --- |
| User | | | |
| Test items | Test ID | Test point | Prediction |
| Account Recovery | 1 | Input existed User ID or Email. | Receive email to reset password |
| 2 | Input nonexistent User ID or Email. | Show alert |
| User Account Information | 3 | Viewing user information correctly? | Yes |
| 4 | Fill all information in the form | Yes |
| 5 | Name is empty | Cannot be modified |
| 6 | Tel is empty | Cannot be modified |
| 7 | Checking for updates immediately? | Yes |

Test recording report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Error Message | Test Results | Bug Classification | Date |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |

4.2.4 Account Information Update

Test prediction scheme

|  |  |  |  |
| --- | --- | --- | --- |
| Admin | | | |
| Test items | Test ID | Test point | Prediction |
| Edit User | 1 | Viewing user information correctly? | Yes |
| 2 | Fill all information in the form | Yes |
| 3 | Name is empty | Cannot be modified |
| 4 | Tel is empty | Cannot be modified |
| 5 | Checking for updates immediately? | Yes |
| Delete User | 6 | Cannot see the user again after deleting | Yes |

(\*name和Tel的验证根据他们有没有时间来做来定)

Test recording report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Error Message | Test Results | Bug Classification | Date |
| 1 | NO | Pass |  | 2019-05-13 |
| 2 | NO | Pass |  | 2019-05-13 |
| 3 | NO | Fail |  | 2019-05-13 |
| 4 | NO | Fail |  | 2019-05-13 |
| 5 | NO | Pass |  | 2019-05-13 |
| 6 | NO | Pass |  | 2019-05-13 |

4.2.5 Search Facility

Test prediction scheme

|  |  |  |  |
| --- | --- | --- | --- |
| Admin/User | | | |
| Test items | Test ID | Test point | Prediction |
| Search Facility | 1 | All results containing the search keyword(s) will be displayed？ | Yes |
| 2 | keyword is a letter | Displayed all results contain that letter |
| 3 | keyword is a word | Displayed all results contain that word |
| 4 | Keyword do not exist | Cannot search |
| 5 | Keyword is wrong | Cannot search |

Test recording report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Error Message | Test Results | Bug Classification | Date |
| 1 | NO | Pass |  | 2019-05-13 |
| 2 | NO | Pass |  | 2019-05-13 |
| 3 | NO | Pass |  | 2019-05-13 |
| 4 | NO | Fail |  | 2019-05-13 |
| 5 | NO | Fail |  | 2019-05-13 |

4.2.6 Update Facility

|  |  |  |  |
| --- | --- | --- | --- |
| Admin | | | |
| Test items | Test ID | Test point | Prediction |
| Add/Edit Facility | 1 | Viewing user information correctly? | Yes |
| 2 | Fill all information in the form | Yes |
| 3 | Open time is empty | Cannot be modified |
| 4 | Close time is empty | Cannot be modified |
| 5 | Description is empty | Cannot be modified |
| 6 | Capacity is empty | Yes |
| 7 | Duration is empty | Yes |
| 8 | Contact is empty | Cannot be modified |
| 9 | Tel is empty | Cannot be modified |
| 10 | Price is empty | Cannot be modified |
| 11 | Image is empty | Yes |
| 12 | Checking for updates immediately? | Yes |
| Delete Facility | 13 | Cannot see the user again after deleting | Yes |

Test recording report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Error Message | Test Results | Bug Classification | Date |
| 1 | NO | Pass |  | 2019-05-13 |
| 2 | NO | Pass |  | 2019-05-13 |
| 3 | NO | Fail |  | 2019-05-13 |
| 4 | NO | Fail |  | 2019-05-13 |
| 5 | NO | Fail |  | 2019-05-13 |
| 6 | NO | Pass |  | 2019-05-13 |
| 7 | NO | Pass |  | 2019-05-13 |
| 8 | NO | Fail |  | 2019-05-13 |
| 9 | NO | Fail |  | 2019-05-13 |
| 10 | NO | Fail |  | 2019-05-13 |
| 11 | NO | Pass |  | 2019-05-13 |
| 12 | NO | Pass |  | 2019-05-13 |
| 13 | NO | Pass |  | 2019-05-13 |

4.2.6 Facility Booking

|  |  |  |  |
| --- | --- | --- | --- |
| Admin/User | | | |
| Test items | Test ID | Test point | Prediction |
| Book Facility | 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |
| 11 |  |  |
| 12 |  |  |