**Use case Description**

for

**Meeting Room**

**Booking System**

**(MRBS)**

Ver 1.0

UC2 – Borrower Management

1. Over view diagram.



| Usecase ID | Usecase name | Actor | Source |
| --- | --- | --- | --- |

|  |  |  |  |
| --- | --- | --- | --- |
| UC2.1 | Create New Borrower Record | Booking room manager | Son Dang |
| UC2.2 | View Borrower Record | Booking room manager | Son Dang |
| UC2.3 | Edit Borrower Record | Booking room manager | Son Dang |
| UC2.4 | Search Borrower Record | Booking room manager | Son Dang |
| UC2.5 | Import Borrower List | Booking room manager | Son Dang |
| UC2.6 | Delete Borrower Record | Booking room manager | Son Dang |

1. Detail description.
   1. Create New Borrower Record.

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| --- | --- | --- | --- |
| ID | **UC2.1** | | |
| Name | **Create New Borrower Record** | | |
| Author | Son Dang | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | User can create new borrower record. | | |
| Precondition | Signed in system with Booking room manager account and record of this borrower is not exist in database. | | |
| Post condition: | New borrower record is created and store in database. | | |
| Main flow: | 1. Select “Quản lý thông tin người mượn” tab on working screen. 2. Press “Thêm người dùng” button. 3. Program show a new dialog windows, user fill full required information. (rule number 1) 4. Press “đồng ý” button. 5. Program check the valid of input information. 6. System check the valid of new record with records in database. 7. System will store new record in database. 8. Program show message notice “Thêm người dùng thành công” 9. Press “ok” button to finish. | | |
| Alternative flow: | 1. Press “Hủy” button at step 4 of main flow. 2. Turn back “Quản lý tài khoản” tab. | | |
| 1. At step 5 of main flow, after press “đồng ý” button and program check the valid of input information, if input value is invalid program show notice label in “Create New Borrower Record Windows” that “Thông tin nhập vào đã bị sai, bạn vui lòng nhập lại”. | | |
| 1. At step 6 of main flow, if system check the valid of new record with records in database and see this record has been existed, program show message notice that “Người dùng này đã tồn tại, xin bạn vui lòng tạo lại với mã số khác khác”. 2. Turn back to “Create New Borrower Record Windows. | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1. Required information: Borrower ID, borrower name, email and a special option. | | |

* 1. View Borrower Record.

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| --- | --- | --- | --- |
| ID | **UC2.2** | | |
| Name | **View Borrower Record** | | |
| Author | Son Dang | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | This is a basic function help actor can see borrower information. | | |
| Precondition | Signed in system with Booking room manager account and record of this borrower is existed in database. | | |
| Post condition: |  | | |
| Main flow: | * 1. Select “quản lý thông tin người mượn” tab.   2. Search a borrower who actor want to read (*to use search function, please read* ***UC2.4 description****).*   3. Choose a borrower record from left listbox.   4. Program will show all information of this record and fill full in text boxes in edit panel. | | |
| Alternative flow: |  | | |
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|  | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |

* 1. Edit Borrower Record.

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| --- | --- | --- | --- |
| ID | **UC2.3** | | |
| Name | **Edit Borrower Record** | | |
| Author | Son Dang | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | This is a basic function help actor can edit borrower information. | | |
| Precondition | Signed in system with Booking room manager account and record of this borrower is existed in database. | | |
| Post condition: |  | | |
| Main flow: | * 1. Use “**View Borrower Record**” to show information want to edit.   2. Edit or update information.   3. Press “Lưu” button.   4. Program check the valid of input information.   5. System will find and check the valid of edited record in database.   6. System will edit that record in database.   7. Program show message notice “Chỉnh sửa thành công”   8. Press “ok” button to finish. | | |
| Alternative flow: | * + 1. At step 3 of main flow, after press “Lưu” button and program check the valid of input information, if input value is invalid program show notice label in “Edit panel” that “Thông tin nhập vào đã bị sai, bạn vui lòng nhập lại”. | | |
| 1. Press “Hủy” button at step 3 of main flow. 2. Program turn back “quản lý người mượn” tab. | | |
|  | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |

* 1. Search Borrower Record.

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| --- | --- | --- | --- |
| ID | **UC2.4** | | |
| Name | **Search Borrower Record** | | |
| Author | Son Dang | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | Basic function help user can find borrower record information. | | |
| Precondition | Signed in system with Booking room manager account and record of this borrower is existed in database. | | |
| Post condition: | Show account information in panel in right of form | | |
| Main flow: | 1. Select “Quản lý thông tin người mượn” tab on working screen. 2. Actor can search in two ways, search by keyword is “Borrower ID” or “Name of borrowers” 3. Type the keywords. 4. Press “Enter”. 5. System will find in database. 6. Program show result in a name list in left list box of screen. | | |
| Alternative flow: | 1. If system can not find any result, name list will be empty. | | |
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| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |

* 1. Import Borrower List.

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| --- | --- | --- | --- |
| ID | **UC2.6** | | |
| Name | **Import Borrower List** | | |
| Author | Son Dang | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | Help actor import list of borrower. | | |
| Precondition | Signed in system with Booking room manager account. | | |
| Post condition: | Show list of new record. | | |
| Main flow: | * + - 1. Select “Quản lý thông tin người mượn” tab on working screen.  1. Press “…”. Choose path to actor folder contain import file. 2. Press “Ok” button to get path and paste to text box. 3. Press “Đồng ý” button. 4. Program will find the file, read and check valid of each field. 5. System will check valid of each record in list with records in database. 6. System will store all valid record in database. 7. Program show message notice that “Đã thêm thành công”. 8. Press “ok” button to show new record list. | | |
| Alternative flow: | * 1. Press “Hủy” button at step 4 in main flow.   2. Program turn back to view screen, clean import textbox. | | |
| * + 1. Invalid input information and invalid record after check by program and system will be removed without notice in import progress. | | |
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| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |

* 1. Delete Borrower Record.

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| --- | --- | --- | --- |
| ID | **UC2.6** | | |
| Name | **Delete Borrower Record** | | |
| Author | Son Dang | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | Show borrower record information and user can delete it. | | |
| Precondition | Signed in system with Booking room manager account and record of this borrower is existed in database. | | |
| Post condition: | Show account information in panel in right of form. User can delete this account. | | |
| Main flow: | 1. Use “**View Borrower Record**” function. 2. Press “xóa người dùng” button. 3. Program show message notice that “Bạn chắn chắn muốn xóa nó chứ”. 4. Press “Vâng” button. 5. System will find and delete of that record in database. 6. Program show message notice that “Đã xóa thành công” 7. Press “ok” button to finish. | | |
| Alternative flow: | * + 1. Press “Không” button at step 4 in main flow.     2. Program turn back to view screen. | | |
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| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |