**Use case description**

for

**Meeting Room Booking System**

**(MRBS)**

Version 0.1

**UC5 – Room Management**

1. **Overview diagram**



|  |  |  |  |
| --- | --- | --- | --- |
| Usecase ID | Usecase name | Actor | Source |
| UC5.1 | Create Room | Booking Room Manager | Tin Nguyen |
| UC5.2 | View Room Information | Booking Room Manager | Tin Nguyen |
| UC5.3 | Edit Room Information | Booking Room Manager | Tin Nguyen |
| UC5.4 | Search | Booking Room Manager | Tin Nguyen |
| UC5.5 | Delete Room | Booking Room Manager | Tin Nguyen |

1. **Detail Description**

*2.1 Create Room*

|  |  |  |  |
| --- | --- | --- | --- |
| *ID* | **UC5.1** | | |
| *Name* | **Create Room** | | |
| *Author* | Tin Nguyen | Modify by |  |
| *Date* |  | Update |  |
| *Actor* | Booking Room Manager | | |
| *Description* | Actor will create room for system. | | |
| *Precondition* | Actor “signed in” on system. | | |
| *Post condition:* | Actor check validate room not yet exist. | | |
| *Main flow:* | 1. Select “Quản lý phòng” tab on working screen. 2. Press “Thêm phòng” 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 room with records in database. 7. System create new record for this room in database. 8. Program show message notice “Thêm phòng thành công” 9. Press “Lưu thay đổi” button to finish. | | |
| *Alternative flow:* | 1. Press “Hủy” button at step 4 of main flow. 2. Turn back “Quản lý phòng” tab. | | |
| *Exception:* |  | | |
| *Includes:* |  | | |
| *Priority:* | Medium | | |
| *Business rules:* |  | | |

* 1. *View Room Information*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC5.2** | | |
| Name | **View Room Information** | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking Room Manager | | |
| Description | Show room information and user can view it. | | |
| Precondition | Signed in system by Booking Room Manager account. | | |
| Post condition: | Show room information in panel “tìm kiếm” of form. | | |
| Main flow: | 1. Select “Quản lý phòng” tab on working screen. 2. User will fill room information need view. 3. Press “Tìm” or “Hiện toàn bộ” for view. 4. Program will show all information of this room. | | |
| Alternative flow: |  | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |

* 1. *Edit Room Information*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC5.3** | | |
| Name | **Edit Room Information** | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking Room Manager | | |
| Description | Show room information and user can edit it. | | |
| Precondition | Signed in system by Booking Room Manager account. | | |
| Post condition: | Show room information in panel “Tìm kiếm” of form. User can change information and save. | | |
| Main flow: | 1. Use “View Room Information” function 2. Edit, update information. 3. Press “Lưu thay đổi” button. 4. Program check the valid of input information. 5. System will find and edit that record in database. 6. Program show message notice “Chỉnh sửa thành công” 7. Press “đóng” button to finish. | | |
| Alternative flow: | 1. At step 3 of main flow, after press “Lưu thay đổi” 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 phòng” tab. | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1. User has to fill full required information. 2. Some information can be edited are floor. | | |

* 1. *Search*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC5.4** | | |
| Name | **Search** | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | Basic function help user can find room record information. | | |
| Precondition | Signed in system with Booking room manager account and record of this room is existed in database. | | |
| Post condition: | Show room information in panel in left of form | | |
| Main flow: | 1. Select “Quản lý phòng” tab on working screen. 2. Actor can search in two ways, search by keyword is “Room ID” or “Name of room” 3. Type the keywords. 4. Press “Enter”. 5. System will find in database. 6. Program show result in a name list in right 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: |  | | |

2.5 *Delete Room*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC5.5** | | |
| Name | **Delete Room** | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking room manager | | |
| Description | Show room record information and user can delete it. | | |
| Precondition | Signed in system with Booking room manager account and record of this room is existed in database. | | |
| Post condition: | Show room information in panel in right of form. User can delete this room. | | |
| Main flow: | 1. Use “**View Room Information**” function. 2. Press “Xóa phòng” 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: |  | | |