**Use case description**

for

**Meeting Room Booking System**

**(MRBS)**

Version 0.2

**UC4 – Room Management**

1. **Overview Diagram**



|  |  |  |  |
| --- | --- | --- | --- |
| **Usecase ID** | **Usecase name** | **Actor** | **Source** |
| UC4.1 | View Room List | Booking Room Manager | Tin Nguyen |
| UC4.2 | Create Room | Booking Room Manager | Tin Nguyen |
| UC4.3 | Search Room | Booking Room Manager | Tin Nguyen |
| UC4.4 | View Room | Booking Room Manager | Tin Nguyen |
| UC4.5 | Edit Room | Booking Room Manager | Tin Nguyen |
| UC4.6 | Delete Room | Booking Room Manager | Tin Nguyen |

1. **Detail Usecase**
   1. View Room List

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC4.1** | | |
| Name | **View Room List** | | |
| Author | Tin Nguyen | Modify by |  |
| Date | 06/21/12 | Update |  |
| Actor | Booking Room Manager | | |
| Description | Show room list and user can view it. | | |
| Precondition | Actor signed in system by “Booking Room Manager” account. | | |
| Post condition: | Show room list in text field “Danh sách các phòng” on left of frame. | | |
| Main flow: | 1. User select “Quản lý phòng” tab on working screen. 2. User will fill name room list need view in text box “tìm kiếm”. 3. User press “Hiện toàn bộ” button for view. 4. System will show room list need view. | | |
| Alternative flow: |  | | |
| Exception : |  | | |
| Includes: | Create Room, Search Room, View Room. | | |
| Priority: | High | | |
| Business rules: | 1. Required information:    1. Show room status.    2. Show capacity of room. | | |

* 1. Create Room

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC4.2** | | |
| Name | **Create Room** | | |
| Author | Tin Nguyen | Modify by |  |
| Date | 06/21/12 | Update |  |
| Actor | Booking Room Manager | | |
| Description | Allow create room in system. | | |
| Precondition | Actor signed in system by “Booking Room Manager” account. | | |
| Post condition: | This room not yet created in system. | | |
| Main flow: | 1. Actor select “Quản lý phòng” tab on working screen. 2. Actor will fill name room list need view in panel “Tạo mới phòng họp”. 3. Actor press “Thêm phòng” button for view. 4. Actor press “đồng ý” for system check and save. 5. System check the valid of input information. 6. System check the valid of new room with records in database. 7. System will create room this in database. 8. System show message notice “Thêm phòng thành công” 9. Actor press “Lưu” button to finish. | | |
| Alternative flow: |  | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: |  | | |

2.3 Search Room

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC4.3** | | |
| Name | **Search Room** | | |
| Author | Tin Nguyen | Modify by |  |
| Date | 06/21/12 | Update |  |
| Actor | Booking Room Manager | | |
| Description | Allow search this room in system. | | |
| Precondition | Actor signed in system by “Booking Room Manager” account. | | |
| Post condition: | Show room list in text field “Danh sách các phòng” on left of frame. | | |
| Main flow: | 1. User select “Quản lý phòng” tab on working screen. 2. User will fill name room list need view in text box “tìm kiếm”. 3. User press “Hiện toàn bộ” button for view. 4. System will show room list need view. | | |
| Alternative flow: |  | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1. Required information:    1. Show room status.    2. Show capacity of room. | | |

2.4 View Room

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC4.4** | | |
| Name | **View Room** | | |
| Author | Tin Nguyen | Modify by |  |
| Date | 06/21/12 | Update |  |
| Actor | Booking Room Manager | | |
| Description | Show room information and user can view it. | | |
| Precondition | User signed in system by “Booking Room Manager” account. | | |
| Post condition: | Show room list in text field “Danh sách các phòng” on left of frame. | | |
| Main flow: | 1. User select “Quản lý phòng” tab on working screen. 2. User will fill name room list need view in text box “tìm kiếm”. 3. User press “Hiện toàn bộ” button for view. 4. System will show room this need view. | | |
| Alternative flow: |  | | |
| Exception : |  | | |
| Includes: | Edit Room, Delete Room. | | |
| Priority: | High | | |
| Business rules: | 1. Required information:    1. Show room status.   1.2 Show capacity of room. | | |

2.5 Edit Room

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC4.5** | | |
| Name | **Edit Room** | | |
| Author | Tin Nguyen | Modify by |  |
| Date | 06/21/12 | Update |  |
| Actor | Booking Room Manager | | |
| Description | Show room list and user can edit it. | | |
| Precondition | Actor signed in system by “Booking Room Manager” account. | | |
| Post condition: | Show room list in panel “Danh sách các phòng” of form. User can change information and save. | | |
| Main flow: | 1. User select “Quản lý phòng” tab on working screen. 2. User will fill name room list need view in text box “tìm kiếm”. 3. User press “Hiện toàn bộ” button for view. 4. System will show room this need view. 5. Edit, update information. 6. Press “Lưu” button. 7. System check the valid of input information. 8. System will find and edit that record in database. 9. System show message notice “Chỉnh sửa thành công” 10. Actor “đóng” 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 system 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. System turn back “Quản lý phòng” tab. | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1. User has to fill full required information. 2. User can fix follow rule of system. | | |

* 1. Delete Room

|  |  |  |  |
| --- | --- | --- | --- |
| ID | **UC4.6** | | |
| Name | **Delete Room** | | |
| Author | Tin Nguyen | Modify by |  |
| Date | 06/21/12 | Update |  |
| Actor | Booking room manager | | |
| Description | System show room list and user can delete it. | | |
| Precondition | Actor signed in system by “Booking room manager” account. | | |
| Post condition: | Show room this in room list of panel in right of form. User can delete this room. | | |
| Main flow: | 1. Actor use “Quản lý phòng” tab on working screen. 2. User will fill name room list need view in text box “tìm kiếm”. 3. User press “Hiện toàn bộ” button for view. 4. System will show room this need view. 5. Actor select room this want delete and press “Xóa phòng” button. 6. System show message notice that “Bạn chắc chắn muốn xóa nó chứ”. 7. Press “Vâng” button. 8. System will find and delete of that record in database. 9. System show message notice that “Đã xóa thành công” 10. Press “ok” button to finish. | | |
| Alternative flow: | 1. Press “Không” button at step 7 in main flow. 2. System turn back to view screen. | | |
| Exception : |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1. Required information:   1.1 Constraint about database related user. | | |