**Use case description**

for

**Meeting Room Booking System**

**(MRBS)**

Version 0.1

**UC4 – Statistic and Report**

1. **Overview diagram**



|  |  |  |  |
| --- | --- | --- | --- |
| Usecase ID | Usecase name | Actor | Source |
| UC4.1 | Export Report | Booking Room Manager | Tin Nguyen |
| UC4.2 | Export Log | Booking Room Manager | Tin Nguyen |
| UC4.3 | Log Record | Booking Room Manager | Tin Nguyen |
| UC4.4 | View Statistic | Booking Room Manager | Tin Nguyen |

1. **Detail Description**

*2.1 Export Report*

|  |  |  |  |
| --- | --- | --- | --- |
| *ID* | UC4.1 | | |
| *Name* | Export Report | | |
| *Author* | Tin Nguyen | Modify by |  |
| *Date* |  | Update |  |
| *Actor* | Booking Room Manager | | |
| *Description* | Booking Room Manager will export all report for statistic | | |
| *Precondition* | Booking Room Manager must record all report of system to start until finish at current export. | | |
| *Post condition:* | Booking Room Manager has been to record report of system at start. | | |
| *Main flow:* | 1. Select “Thống kê báo cáo” tab on working screen. 2. Press “Xuất báo cáo” button of panel “xuất báo cáo chi tiết”. 3. Program show a new dialog windows. Actor select location of file records for report.   4. Press “đồng ý” button.  5. Program show message notice “Export report thành công”  6. Press “đồng ý” button to finish | | |
| *Alternative flow:* | 1. Press “Hủy” button at step 4 of main flow. 2. Turn back “Thống kê báo cáo” tab. | | |
| *Exception:* |  | | |
| *Includes:* |  | | |
| *Priority:* | High | | |
| *Business rules:* | 1. Required information:    1. Booking room but not “check in”.    2. System performance    3. Case to violate | | |

* 1. *Export Log*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | UC4.2 | | |
| Name | Export Log | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking Room Manager | | |
| Description | Booking Room Manager will export all log for statistic | | |
| Precondition | Booking Room Manager must record all log of system to start until finish at current log. | | |
| Post condition: | Booking Room Manager has been to record log of system at start. | | |
| Main flow: | 1. Select “Thống kê báo cáo” tab on working screen.  2. Press “Log” button.  3. Program show a new dialog windows. Actor select location of file records for report.  4. Press “đồng ý” button.  5. Program show message notice “Export log thành công”  6. Press “đồng ý” button to finish | | |
| Alternative flow: | 1.Press “Hủy” button at step 4 of main flow.  2.Turn back “Thống kê báo cáo” tab. | | |
| Exception: |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1. Required information:   1.1 Booking room but not “check in”.  1.2 System performance  1.3 Case to violate | | |

* 1. *Log Record*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | UC 4.3 | | |
| Name | Log Record | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking Room Manager | | |
| Description | Booking Room Manager will record all log for statistic. | | |
| Precondition: | Booking Room Manager must record all log of system to start until finish at current log. | | |
| Post condition: | Booking Room Manager has been to record log of system at start. | | |
| Main flow: | 1. Select “Thống kê báo cáo” tab on working screen 2. Press “Log” button. 3. Actor select date for record to text field. Program show a new dialog windows. 4. Press “Hôm ni” button. 5. Program show message notice “Log Record thành công” 6. Press “đồng ý” button to finish | | |
| Alternative flow: | 1. Press “Hủy” button at step 4 of main flow.  2.Turn back “Thống kê báo cáo” tab. | | |
| Exception: |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | 1.Required information:   * 1. Booking room but not “check in”.   2. System performance   3. Case to violate | | |

* 1. *View Statistic*

|  |  |  |  |
| --- | --- | --- | --- |
| ID | UC 4.4 | | |
| Name | View Statistic | | |
| Author | Tin Nguyen | Modify by |  |
| Date |  | Update |  |
| Actor | Booking Room Manager | | |
| Description: | Booking Room Manager will view statistic. | | |
| Precondition: | Booking Room Manager must “check in” into system. | | |
| Post conditions: | Booking Room Manager has been to record log of system at start for report. | | |
| Main flow: | 1. Select “Thống kê báo cáo” tab on working screen  2.Press “View Statistic” button.  3.Program show text field for view statistic of system.  4.Actor view statistic and report for administrator.  5.Program show message notice “View Statistic thành công”  6.Press “đồng ý” button to finish | | |
| Alternative flow: |  | | |
| Exception: |  | | |
| Includes: |  | | |
| Priority: | High | | |
| Business rules: | Required information:  1.1 Booking room but not “check in”.  1.2 System performance  1.3 Case to violate | | |