

USE CASE DESCRIPTION MODULE 3

**Version1.0**

**Nhan Pham**

**05/03/2020**

**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Implemented**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1.0 | Nhan Pham | 05/03/2020 |  |  | Create document use case description |
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# 

# Introduction

## Purpose and Scope

Building a scenario where the user will manipulate and interact with the mentioned message list and business rules system. To build website and app BDS

## **Entity title**

|  |  |
| --- | --- |
| **Entity ID** | **Entity Title** |
| E01 | Director |
| E02 | Department Heads |
| E03 | Administrator |
| E04 | Employees |
| E05 | Deputy department |

# Use Case Description

**2.1. View business results the week "Employees" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.29 | | |
| **Use case Name:** | View business results the week "Employees" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view business results the week "Employees" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view the list of business results the week “Employees” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo (Statistic)” 7. System show interface page “Thống kê – báo cáo” 8. E01, E02, E03, E04 & E05 press button “Kết quả kinh doanh tuần (business results the week)” 9. System show interface page “Kết quả kinh doanh tuần” 10. E01, E02, E03, E04 & E05 press button “Nhân viên (Employees)” 11. System show interface page “Nhân viên” (Figure 29). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Kết quả kinh doanh tuần and “Nhân viên”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | Figure 29: View business results the week "Employees" app | | |

**2.2. View details of the weekly business results the "Employees" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.30 | | |
| **Use case Name:** | View details of the weekly business results the "Employees" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view details of the weekly business results the "Employees" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view details of the weekly business results the "Employees" | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo (Statistic)” 7. System show interface page “Thống kê – báo cáo” 8. E01, E02, E03, E04 & E05 press button “Kết quả kinh doanh tuần (business results the week)” 9. System show interface page “Kết quả kinh doanh tuần” 10. E01, E02, E03, E04 & E05 press button “Nhân viên (Employees)” 11. System show interface page “Nhân viên” 12. E01, E02, E03, E04 & E05 press employees 13. The system displays employee details (Figure 30). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Kết quả kinh doanh tuần and “Nhân viên”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 158.png  Figure 30: View details of the weekly business results the "Employees" app | | |

**2.3. View business results the week "Team" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.31 | | |
| **Use case Name:** | View business results the week "Team" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view business results the week "Team" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 View the list of business results the week “Team” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo (Statistic)” 7. System show interface page “Thống kê – báo cáo” 8. E01, E02, E03, E04 & E05 press button “Kết quả kinh doanh tuần (business results the week)” 9. System show interface page “Kết quả kinh doanh tuần” 10. E01, E02, E03, E04 & E05 press button “Team” 11. System show interface page “Team” (Figure 31). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Kết quả kinh doanh tuần and “Team”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 159.png  Figure 31: View business results the week “Team" app | | |

**2.4. View business results the week "Room" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.32 | | |
| **Use case Name:** | View business results the week “Room" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view business results the week "Room" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 View the list of business results the week “Room” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo (Statistic)” 7. System show interface page “Thống kê – báo cáo” 8. E01, E02, E03, E04 & E05 press button “Kết quả kinh doanh tuần (business results the week)” 9. System show interface page “Kết quả kinh doanh tuần” 10. E01, E02, E03, E04 & E05 press button “Phòng (Room)” 11. System show interface page “Phòng” (Figure 32). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Kết quả kinh doanh tuần and “Phòng”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 41.png  Figure 32: View business results the week "Room" app | | |

**2.5. View business results graph "Employees" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.33 | | |
| **Use case Name:** | View business results graph "Employees" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view business results graph "Employees" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view business results graph “Employees” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo   (Statistic)”   1. System show interface page “Thống kê – báo cáo” 2. E01, E02, E03, E04 & E05 press button “Đồ thị kết quả kinh doanh” (business results graph)” 3. System show interface page “Đồ thị kết quả kinh doanh” 4. E01, E02, E03, E04 & E05 press button “Nhân viên (Employees)” 5. System show interface page “Nhân viên” (Figure 33). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Đồ thị kết quả kinh doanh and “Nhân viên”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\Nhân viên.png  Figure 33: View business results graph "Employees" app | | |

**2.6. Search business results graph "Employees" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.34 | | |
| **Use case Name:** | Search business results graph "Employees" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 6/3/2020 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | This use case allows E01, E02, E03, E04 & E05 to search business results graph "Employees" app | | |
| **Pre-conditions:** | * E01, E02, E03, E04 & E05 have logged into the system and are looking for business results graph "Employees" app * E01, E02, E03, E04 & E05 have employee, date, years and months search information. | | |
| **Post-conditions:** | Success:   * E01, E02, E03, E04 & E05 successfully seek business results graph "Employees” * E01, E02, E03, E04 & E05 can see the information business results graph "Employees” has just searched.   Failure:   * E01, E02, E03, E04 & E05 could not find the business results graph "Employees” you are looking for on the system. | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 click on ‘Báo cáo – thống kê (Statistic)” 7. The system show interface “Báo cáo – thống kê” on screen 8. E01, E02, E03, E04 & E05 click on ‘Đồ thị kết quả kinh doanh (business results graph)” 9. The system show interface “Báo cáo – thống kê” on screen 10. E01, E02, E03, E04 & E05 click on “Nhân viên (Employees)” 11. The system displays the employee information fields (Figure 34). 12. E01, E02, E03, E04 & E05 select the information fields and click search (BR.SA.001, BR.SA.002, BR.SA.003) (DD.AS.001) 13. The system checks the input data.   13.1. Show success business results graph "Employees”  13.2. No results were found (MS.SA.001, MS.SA.002)   1. Use case is over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 13 Exception flow 1: Employees do not select information or enter information when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search information '(Token: MS.SA.001).  13 Exception flow 2: Employees do not select a time when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search time '(Token: MS.SA.002). | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button ‘Search’ | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SA.001, BR.SA.002, BR.SA.001 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 506.png  Figure 34: Search business results graph "Employees" | | |

**2.7. View the "Team" business results graph app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.35 | | |
| **Use case Name:** | View business results graph "Team" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view business results graph "Team" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view business results graph “Team” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo   (Statistic)”   1. System show interface page “Thống kê – báo cáo” 2. E01, E02, E03, E04 & E05 press button “Đồ thị kết quả kinh doanh” (business results graph)” 3. System show interface page “Đồ thị kết quả kinh doanh” 4. E01, E02, E03, E04 & E05 press button “Team” 5. System show interface page “Team” (Figure 35). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Đồ thị kết quả kinh doanh and “Team”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | Figure 35: View business results graph “Team" app | | |

**2.8. Search results graph "Team" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.36 | | |
| **Use case Name:** | Search business results graph "Team" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 6/3/2020 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | This use case allows E01, E02, E03, E04 & E05 to search business results graph "Team" app | | |
| **Pre-conditions:** | * E01, E02, E03, E04 & E05 have logged into the system and are looking for business results graph "Team" app * E01, E02, E03, E04 & E05 have team, date, years and months search information. | | |
| **Post-conditions:** | Success:   * E01, E02, E03, E04 & E05 successfully seek business results graph "Team” * E01, E02, E03, E04 & E05 can see the information business results graph "Team” has just searched.   Failure:   * E01, E02, E03, E04 & E05 could not find the business results graph "Team” you are looking for on the system. | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 click on ‘Báo cáo – thống kê (Statistic)” 7. The system show interface “Báo cáo – thống kê” on screen 8. E01, E02, E03, E04 & E05 click on ‘Đồ thị kết quả kinh doanh (business results graph)” 9. The system show interface “Báo cáo – thống kê” on screen 10. E01, E02, E03, E04 & E05 click on “Team” 11. The system displays the employee information fields (Figure 36). 12. E01, E02, E03, E04 & E05 select the information fields and click search (BR.SA.001, BR.SA.002, BR.SA.003) (DD.AS.001) 13. The system checks the input data.   13.1. Show success business results graph "Team”  13.2. No results were found (MS.SA.001, MS.SA.002)   1. Use case is over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 13 Exception flow 1: Employees do not select information or enter information when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search information '(Token: MS.SA.001).  13 Exception flow 2: Employees do not select a time when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search time '(Token: MS.SA.002). | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button ‘Search’ | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SA.001, BR.SA.002, BR.SA.001 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 518.png  Figure 36: Search business results graph "Team" | | |

**2.9. View business results graph "Room" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.37 | | |
| **Use case Name:** | View business results graph "Room" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view business results graph "Room" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view business results graph “Room” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo   (Statistic)”   1. System show interface page “Thống kê – báo cáo” 2. E01, E02, E03, E04 & E05 press button “Đồ thị kết quả kinh doanh” (business results graph)” 3. System show interface page “Đồ thị kết quả kinh doanh” 4. E01, E02, E03, E04 & E05 press button “Team” 5. System show interface page “Room” (Figure 37). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Đồ thị kết quả kinh doanh and “Team”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\phòng.png  Figure 37: View business results graph “Room" app | | |

**2.10. Search business results graph "Room" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.38 | | |
| **Use case Name:** | Search business results graph "Room" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 6/3/2020 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | This use case allows E01, E02, E03, E04 & E05 to search business results graph "Room" app | | |
| **Pre-conditions:** | * E01, E02, E03, E04 & E05 have logged into the system and are looking for business results graph "Room" app * E01, E02, E03, E04 & E05 have team, date, years and months search information. | | |
| **Post-conditions:** | Success:   * E01, E02, E03, E04 & E05 successfully seek business results graph "Room” * E01, E02, E03, E04 & E05 can see the information business results graph "Room” has just searched.   Failure:   * E01, E02, E03, E04 & E05 could not find the business results graph "Room” you are looking for on the system. | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 click on ‘Báo cáo – thống kê (Statistic)” 7. The system show interface “Báo cáo – thống kê” on screen 8. E01, E02, E03, E04 & E05 click on ‘Đồ thị kết quả kinh doanh (business results graph)” 9. The system show interface “Báo cáo – thống kê” on screen 10. E01, E02, E03, E04 & E05 click on “Phòng (Room)” 11. The system displays the employee information fields (Figure 38). 12. E01, E02, E03, E04 & E05 select the information fields and click search (BR.SA.001, BR.SA.002, BR.SA.003) (DD.AS.001) 13. The system checks the input data.   13.1. Show success business results graph "Room”  13.2. No results were found (MS.SA.001, MS.SA.002)   1. Use case is over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 13 Exception flow 1: Employees do not select information or enter information when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search information '(Token: MS.SA.001).  13 Exception flow 2: Employees do not select a time when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search time '(Token: MS.SA.002). | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button ‘Search’ | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SA.001, BR.SA.002, BR.SA.001 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 538.png  Figure 38: Search business results graph "Room" | | |

**2.11. View compare business results "Employees"**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.39 | | |
| **Use case Name:** | View compare business results "Employees" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view compare business results "Employees" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view compare business results "Employees” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo   (Statistic)”   1. System show interface page “Thống kê – báo cáo” 2. E01, E02, E03, E04 & E05 press button “So sánh kết quả kinh doanh” (Compare business results)” 3. System show interface page “So sánh kết quả kinh doanh” 4. E01, E02, E03, E04 & E05 press button “Nhân viên (Employees)” 5. System show interface page “Nhân viên” (Figure 39). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “So sánh kết quả kinh doanh and “Nhân viên”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 40.png  Figure 39: View compare business results "Employees" app | | |

**2.12. Search compare business results "Employees" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.40 | | |
| **Use case Name:** | Search compare business results "Employees" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 6/3/2020 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | This use case allows E01, E02, E03, E04 & E05 to search compare business results "Employees" app | | |
| **Pre-conditions:** | * E01, E02, E03, E04 & E05 have logged into the system and are looking for compare business results "Employees" app * E01, E02, E03, E04 & E05 have team, date, years and months search information. | | |
| **Post-conditions:** | Success:   * E01, E02, E03, E04 & E05 successfully seek compare business results "Employees" * E01, E02, E03, E04 & E05 can see the information compare business results "Employees" has just searched.   Failure:   * E01, E02, E03, E04 & E05 could not find the compare business results "Employees" you are looking for on the system. | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 click on ‘Báo cáo – thống kê (Statistic)” 7. The system show interface “Báo cáo – thống kê” on screen 8. E01, E02, E03, E04 & E05 click on ‘Đồ thị kết quả kinh doanh (compare business results)” 9. The system show interface “Báo cáo – thống kê” on screen 10. E01, E02, E03, E04 & E05 click on “Nhân viên (Employees)” 11. The system displays the employee information fields (Figure 40). 12. E01, E02, E03, E04 & E05 select the information fields and click search (BR.SA.001, BR.SA.002, BR.SA.003) (DD.AS.002) 13. The system checks the input data.   13.1. Show success compare business results "Employees"  13.2. No results were found (MS.SA.001, MS.SA.002)   1. Use case is over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 13 Exception flow 1: Employees do not select information or enter information when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search information '(Token: MS.SA.001).  13 Exception flow 2: Employees do not select a time when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search time '(Token: MS.SA.002). | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button ‘Search’ | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SA.001, BR.SA.002, BR.SA.001 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 563.png  Figure 40: Search compare business results "Employees" | | |

**2.13. View the business results "Team" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.41 | | |
| **Use case Name:** | View compare business results "Team" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view compare business results "Team" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view compare business results "Team” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo   (Statistic)”   1. System show interface page “Thống kê – báo cáo” 2. E01, E02, E03, E04 & E05 press button “So sánh kết quả kinh doanh” (Compare business results)” 3. System show interface page “So sánh kết quả kinh doanh” 4. E01, E02, E03, E04 & E05 press button “Team” 5. System show interface page “Team” (Figure 41). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “So sánh kết quả kinh doanh and “Team”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 162.png  Figure 41: View compare business results “Team" app | | |

**2.14. Search compare business results "Team" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.42 | | |
| **Use case Name:** | Search compare business results "Team" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 6/3/2020 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | This use case allows E01, E02, E03, E04 & E05 to search compare business results "Team" app | | |
| **Pre-conditions:** | * E01, E02, E03, E04 & E05 have logged into the system and are looking for compare business results "Team" app * E01, E02, E03, E04 & E05 have team, date, years and months search information. | | |
| **Post-conditions:** | Success:   * E01, E02, E03, E04 & E05 successfully seek compare business results “Team" * E01, E02, E03, E04 & E05 can see the information compare business results "Team" has just searched.   Failure:   * E01, E02, E03, E04 & E05 could not find the compare business results "Team" you are looking for on the system. | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 click on ‘Báo cáo – thống kê (Statistic)” 7. The system show interface “Báo cáo – thống kê” on screen 8. E01, E02, E03, E04 & E05 click on ‘Đồ thị kết quả kinh doanh (compare business results)” 9. The system show interface “Báo cáo – thống kê” on screen 10. E01, E02, E03, E04 & E05 click on “Team” 11. The system displays the employee information fields (Figure 42). 12. E01, E02, E03, E04 & E05 select the information fields and click search (BR.SA.001, BR.SA.002, BR.SA.003) (DD.AS.002) 13. The system checks the input data.   13.1. Show success compare business results "Team"  13.2. No results were found (MS.SA.001, MS.SA.002)   1. Use case is over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 13 Exception flow 1: Employees do not select information or enter information when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search information '(Token: MS.SA.001).  13 Exception flow 2: Employees do not select a time when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search time '(Token: MS.SA.002). | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button ‘Search’ | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SA.001, BR.SA.002, BR.SA.001 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 577.png  Figure 42: Search compare business results "Team" | | |

**2.15. View compare business results "Room" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.43 | | |
| **Use case Name:** | View compare business results "Room" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04 & E05 | | |
| **Brief description:** | E01, E02, E03, E04 & E05 view compare business results "Room" app | | |
| **Pre-conditions:** | E01, E02, E03, E04 & E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04 & E05 view compare business results "Room” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 press button “Thống kê – báo cáo   (Statistic)”   1. System show interface page “Thống kê – báo cáo” 2. E01, E02, E03, E04 & E05 press button “So sánh kết quả kinh doanh” (Compare business results)” 3. System show interface page “So sánh kết quả kinh doanh” 4. E01, E02, E03, E04 & E05 press button “Phòng (Room)” 5. System show interface page “Room” (Figure 43). | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “So sánh kết quả kinh doanh and “Room”” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 163.png  Figure 43: View compare business results “Room" app | | |

**2.16. Search compare business results "Rooms" app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.44 | | |
| **Use case Name:** | Search compare business results "Room" app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 6/3/2020 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | This use case allows E01, E02, E03, E04 & E05 to search compare business results "Room" app | | |
| **Pre-conditions:** | * E01, E02, E03, E04 & E05 have logged into the system and are looking for compare business results "Room" app * E01, E02, E03, E04 & E05 have team, date, years and months search information. | | |
| **Post-conditions:** | Success:   * E01, E02, E03, E04 & E05 successfully seek compare business results “Room" * E01, E02, E03, E04 & E05 can see the information compare business results "Room" has just searched.   Failure:   * E01, E02, E03, E04 & E05 could not find the compare business results "Room" you are looking for on the system. | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01, E02, E03, E04 & E05 click on ‘Báo cáo – thống kê (Statistic)” 7. The system show interface “Báo cáo – thống kê” on screen 8. E01, E02, E03, E04 & E05 click on ‘Đồ thị kết quả kinh doanh (compare business results)” 9. The system show interface “Báo cáo – thống kê” on screen 10. E01, E02, E03, E04 & E05 click on “Phòng (Room)” 11. The system displays the employee information fields (Figure 44). 12. E01, E02, E03, E04 & E05 select the information fields and click search (BR.SA.001, BR.SA.002, BR.SA.003) (DD.AS.002) 13. The system checks the input data.   13.1. Show success compare business results "Room"  13.2. No results were found (MS.SA.001, MS.SA.002)   1. Use case is over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 13 Exception flow 1: Employees do not select information or enter information when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search information '(Token: MS.SA.001).  13 Exception flow 2: Employees do not select a time when searching (starting at step 13 of the main event stream)  13.2. The system displays the message ‘Please select search time '(Token: MS.SA.002). | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button ‘Search’ | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SA.001, BR.SA.002, BR.SA.001 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | C:\Users\ACER\Downloads\iPhone 8 Plus - 585.png  Figure 44: Search compare business results "Room" | | |

**2.17. Import file website**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.45 | | |
| **Use case Name:** | Import file website | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E03 | | |
| **Brief description:** | E03 Import file website | | |
| **Pre-conditions:** | E03 were logined | | |
| **Post-conditions:** | * Success   E03 Import file website | | |
| **Main Success flow:** | 1. E03 access to website 2. System show interface login on screen 3. E03 input username & password (DD.WL.001) 4. E03 press button “Đăng nhập” 5. System show interface home page on screen 6. E03 press button “Quản lý thống kê, báo cáo (Statistic)” 7. System show interface page “Quản lý thống kê, báo cáo” (Figure 45). 8. E03 press button “Import” (DD.WS.001) 9. System show import file (BR.SW.001, BR.SW.002, BR.SW.003, BR.SW.004, BR.SW.005) 10. The system checks the input data.     1. Show import file succes (MS.SW.001)     2. Show import file fail (MS.SW.002) | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 10 Exception flow 1: Notice when downloading excel file successfully (starting at step 10 of the main event stream)  10.1. The system displays the message ‘Import the file successfully'(Token: MS.SW.001).  10 Exception flow 2: Notice when the file is downloaded in the wrong format or has a file size of over 5MB and must be in the correct fields in the excel file (starting at step 10 of the main event stream)  10.2. The system displays the message ‘Import file failed'(Token: MS.SA.002). | | |
| **Trigger:** | E03 press button “Quản lý thống kê, báo cáo” | | |
| **Relationships**: | <<include>>, <<extend>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.SW.001, BR.SW.002, BR.SW.003, BR.SW.004, BR.SW.005 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | Figure 45: Import file website | | |

**2.18. View personal information app**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.46 | | |
| **Use case Name:** | View personal information app | | |
| **Creator:** | Nhan Pham | **Person updated:** |  |
| **Creation date:** | 7/03/2019 | **Date updated:** |  |
| **Primary actor:** | E01, E02, E03, E04, E05 | | |
| **Brief description:** | E03 view personal information app | | |
| **Pre-conditions:** | E01, E02, E03, E04, E05 were logined | | |
| **Post-conditions:** | * Success   E01, E02, E03, E04, E05 view the list of business results the week “Room” | | |
| **Main Success flow:** | 1. E01, E02, E03, E04 & E05 access to mobile app 2. System show interface login on screen 3. E01, E02, E03, E04 & E05 input username & password (DD.AL.001) 4. E01, E02, E03, E04 & E05 press button “Đăng nhập” 5. System show interface home page on screen 6. E01. E02, E03, E04, E05 press “Avatar” (DD.AO.001) 7. System show interface personal information on screen. (Figure 46) | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E01, E02, E03, E04, E05 press button “Avatar” | | |
| **Relationships**: | <<include>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | N/A | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | Figure 46: View personal information app | | |

**2.19. Template file excel website**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.47 | | |
| **Use case Name:** | Template file excel website | | |
| **Creator:** | Nhan Pham | **Update By:** |  |
| **Creation date:** | 20/5/2020 | **Date Update:** |  |
| **Primary actor:** | E03 | | |
| **Brief description:** | E03 template file excel website | | |
| **Pre-conditions:** | E03 were logined | | |
| **Post-conditions:** | * Success   E03 template file excel website | | |
| **Main Success flow:** | 1. E03 access to website 2. System show interface login on screen 3. E03 input username & password (DD.WL.001) 4. E03 press button “Đăng nhập” 5. System show interface home page on screen 6. E03 press button “Quản lý thống kê, báo cáo (Statistic)” 7. System show interface page “Quản lý thống kê, báo cáo” (Figure 47). 8. E03 press button “Tải mẫu excel” (Template file excel) 9. The system “Tải mẫu excel” (Template file excel) (BR.SW.006) 10. Use case over. | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | N/A | | |
| **Trigger:** | E03 | | |
| **Relationships**: | <<include>>, <<extend>> | | |
| **Priority:** | Medium | | |
| **Frequency of use:** | Medium | | |
| **Business Rules:** | BR.SW.010 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | Figure 47: Template file excel website | | |

**2.20. Add room website**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | FR.48 | | |
| **Use case Name:** | Add room website | | |
| **Creator:** | Nhan Pham | **Update By:** |  |
| **Creation date:** | 2/3/2020 | **Date Update:** |  |
| **Primary actor:** | E03 | | |
| **Brief description:** | E03 add room website admin | | |
| **Pre-conditions:** | E03 was logined | | |
| **Post-conditions:** | * Success   E03 add room success | | |
| **Main Success flow:** | 1. E03 access to website admin 2. System show interface login on screen 3. E03 input username & password (DD.WL.001) 4. E03 press button “Đăng nhập” 5. System show interface home page on screen 6. E03 press button “Quản lý thông tin” 7. The system displays the interface “Quản lý thông tin” 8. E03 press button “Phòng ban” (room) 9. The system displays the interface “Phòng ban” 10. E03 press button “Thêm phòng ban” (DD.WS.002) 11. The system displays the interface “Thêm dự án”. (Figure 48) 12. E03 fill out all the information fields (BR.SW.007, BR.SW.008, BR.SW.009, BR.SW.010)     1. System show message add project success (MS.PW.001)     2. System show message add project fail (MS.PW.003, MS.PW.004) 13. End | | |
| **Alternative flows:** | N/A | | |
| **Exception flows:** | 10. Add project successfully (start at step 10 of the main event stream)  10.1 The system displays a notice of additional successful projects (Token: MS.PW.001).  10. Download failed image (start at step 10 of main event stream)  10.2 The system displays a message when the admin enters the wrong or missing (Token: MS.PW.003).  10. Download failed image (start at step 10 of main event stream)  10.2 The system displays the message, please select the correct image format (Token: MS.PW.004). | | |
| **Trigger:** | E03 press button “Thêm dự án” | | |
| **Relationships**: | <<include>>, <<extend>> | | |
| **Priority:** | High | | |
| **Frequency of use:** | High | | |
| **Business Rules:** | BR.PW.001, BR.PW.002, BR.PW.003, BR.PW.004, BR.PW.005, BR.PW.006, BR.PW.007, BR.PW.008 | | |
| **Special Requirement:** | N/A | | |
| **Mockup Screen** | Figure 27: Add project | | |

**2.21. Edit room website**

**2.22. Delete room website**

**2.23. View room website**

**2.24. View happy birthday app**