Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRJ\_ Asset Management System\_001 |
| Project Name | Asset Management System |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Ramakrishna Mamidipaka | Assistant Manager | 26th June, 2019 |
| Reviewed by | Role | Date of Review |
| Ramakrishna | Assistant Manager | 26th June, 2019 |
| Approved by | Role | Date of Approval |
| Shilpa Bhosle | Deputy Manager | 27th June, 2019 |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | 1.1 |  |

<<Customer>> REVIEW HISTORY

<<Customer comments on the Use case along with the signed off is tracked here>>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Version | <<Version number>> |  |  |  |  |  |
| Date | <<Date of Review>> |  |  |  |  |  |
| Reviewed by | << Reviewer Name>> |  |  |  |  |  |
| Reviewed UI Specification doc | << Whether UI Specification doc is reviewed >> |  |  |  |  |  |
| All Open Queries/issues closed | << Whether all the open queries and issues resolved>> |  |  |  |  |  |
| Agreement on Assumptions | <<Whether all the assumptions have been agreed upon by the customer>> |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project ‘Asset Management System’ is restricted to the contents of this signed off use case.

TABLE OF CONTENTS

[1. Use Case Name: Modify to Asset Management System 5](#_Toc458607221)

[2. Actor(s): 5](#_Toc458607222)

[3. Preconditions 5](#_Toc458607223)

[4. Flow of Events 5](#_Toc458607224)

[4.1 Basic Flow 5](#_Toc458607225)

[4.2 Alternative Flows 6](#_Toc458607226)

[4.2.1 Alternate Flow 1 6](#_Toc458607227)

[4.2.2 Alternate Flow 2 6](#_Toc458607228)

[4.2.3 Alternate Flow 3 7](#_Toc458607229)

[Exception Flow 1: Exceeded Login Attempts 7](#_Toc458607230)

[Exception Flow 2: Web Server Down 7](#_Toc458607231)

[Exception Flow 3: Database Connectivity Error 7](#_Toc458607232)

[Exception Flow 4: Network Connectivity Error 7](#_Toc458607233)

[5. Post Conditions 7](#_Toc458607234)

[6. Special Requirements 8](#_Toc458607235)

[Performance 8](#_Toc458607236)

[Availability 8](#_Toc458607237)

[User Interface 9](#_Toc458607238)

[Security 9](#_Toc458607239)

[7. Extension Points 9](#_Toc458607240)

[Extension in Alternate Flow 1: 9](#_Toc458607241)

[Extension in Alternate Flow x: 9](#_Toc458607242)

[8. Business Rules 9](#_Toc458607243)

[9. Diagrams 10](#_Toc458607244)

[Use Case Diagram for User 10](#_Toc458607245)

[Activity Diagram 11](#_Toc458607246)

[10. Scenarios 12](#_Toc458607247)

[Success Scenarios 12](#_Toc458607248)

[Failure Scenarios 12](#_Toc458607249)

[11. Issues 12](#_Toc458607250)

[12. UI Specifications 12](#_Toc458607251)

[13. Inter System Dependencies 13](#_Toc458607252)

[14. Integration with an already existing System of the <<Customer>><<Not Applicable>> 13](#_Toc458607253)

[15. Assumptions 13](#_Toc458607254)

1. Use Case Name: Modify to the Asset management System

Use Case ID: AMS.Admin.Modify

Brief Description: <<Brief Description of the use case in approx 4-5 lines>>

This Use Case describes the process by which admin add into the Asset Management System.

1. Actor(s):

1. Admin

1. Preconditions
2. Admin has already registered on the Asset Management System
3. Admin has entered the valid Modify link of Asset Management System and is directed to the modify page of AMS
4. Admin has valid modify details

1. Flow of Events

4.1 Basic Flow

Name: Successful Modify to the Asset Management System

1. Admin clicks on the Modify link on the Asset Management System modify page.
2. The system displays Modify page
3. Admin enters the keyboard
4. Admin clicks on the modify button and open the another page
5. Admin enters Asset name
6. Admin enters Asset Description
7. Admin enters Asset Quantity
8. Admin clicks on the update button
9. The system validates modify page
10. The system navigates admin to the Add/Modify Asset Page
    1. Alternative Flows
       1. Alternate Flow 1
11. Admin clicks on the Add/Modify link on the Asset Management System
12. The system displays Add Asset, Modify Asset and Delete Asset page
13. Admin clicks on the modify Asset link
14. Admin enters to modify existing Asset
15. Admin enters Asset name
16. Admin enters Asset Description
17. Admin enters Asset Quantity
18. Admin enters Asset ID
19. Admin clicks on the update button

4.2.2 Alternate Flow 2

1. Admin clicks on the Add/Modify Asset link on the Asset Management System home page
2. The system displays Login page
3. Admin enters name
4. Admin enters Password
5. Admin clicks on the Login button
6. The system navigates Admin to the modify Asset Page
7. Admin enters to modify existing Asset and display the modify page
8. Admin enters Asset name
9. Admin enters Asset Description
10. Admin enters Asset Quantity
11. Admin enters Asset ID
12. Admin clicks on the update button
13. The system validates Asset name,Asset Description,Quantity & Asset ID

4.2.3 Alternate Flow 3

Exception Flow 1: Exceeded Modify Asset

1. Admin clicks on the Add/Modify link on the Asset Management System
2. The system displays Add Asset, Modify Asset and Delete Asset page
3. Admin clicks on the modify Asset link
4. Admin enters to modify existing Asset
5. Admin enters name
6. Admin enters Asset Description
7. Admin enters Asset Quantity
8. Admin enter Asset ID
9. Admin clicks on the update button
10. The system validation fails due to invalid Asset ID

Exception Flow 2: Exceeded Modify Asset

1. Admin clicks on the Add/Modify link on the Asset Management System
2. The system displays Add Asset, Modify Asset and Delete Asset page
3. Admin clicks on the modify Asset link
4. Admin enters to modify existing Asset
5. Admin enters name
6. Admin enters Asset Description
7. Admin enters Asset Quantity
8. Admin enter Asset ID
9. Admin clicks on the update button
10. The system validation fails due to not working the update button

Exception Flow 3: Exceeded Modify Asset

1. Admin clicks on the Add/Modify link on the Asset Management System
2. The system displays Add Asset, Modify Asset and Delete Asset page
3. Admin clicks on the modify Asset link
4. Admin enters to modify existing Asset
5. Admin enters all field are empty
6. Admin clicks on the update button
7. The system validation fails due to not working the update button

Exception Flow 4: Exceeded Modify Asset

1. Admin clicks on the Add/Modify link on the Asset Management System
2. The system displays Add Asset, Modify Asset and Delete Asset page
3. Admin clicks on the modify Asset link
4. Admin enters to modify existing Asset
5. Admin enters empty feild name
6. Admin enters Asset Description
7. Admin enters Asset Quantity
8. Admin enter Asset ID
9. Admin clicks on the update button
10. The system validation fails due to not working the update button

Exception Flow 5: Web Server Down

1. Admin clicks on the Login link on the Asset Management System home page
2. The system displays an error message regarding web server unavailability problem

Exception Flow 6: Database Connectivity Error

1. Admin clicks on the Add/Modify link on the Asset Management System
2. The system displays Add Asset, Modify Asset and Delete Asset page
3. Admin clicks on the modify Asset link
4. Admin enters to modify existing Asset
5. Admin enters name
6. Admin enters Asset Description
7. Admin enters Asset Quantity
8. Admin enters Asset ID
9. Admin clicks on the update button
10. The system displays an error message regarding database connectivity problem.

Exception Flow 7: Network Connectivity Error

1. Admin clicks on the Add/Modify link on the Asset Management System
2. The system displays Add Asset, Modify Asset and Delete Asset page
3. Admin clicks on the modify Asset link
4. Admin enters to modify existing Asset
5. Admin enters name
6. Admin enters Asset Description
7. Admin enters Asset Quantity
8. Admin enter Asset ID
9. Admin clicks on the update button
10. The system displays an error message regarding network connectivity problem.
11. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful admin modify to the Asset Management System | Admin will be modifying in to the AMS successfully and system should navigate admin to the Add/Modify Page |
| Modify to the Asset Management System with reattempt | Admin will be Modify in to the AMS successfully and system should navigate admin to the Add/Modify Asset Page |
| Add to the Asset Management System using click the Modify Asset | Admin will be Modifying in to the AMS successfully and system should navigate admin to the Add/Modify Asset Page |
| Exceeded add Attempts | The system should suspend the admin account and should inform the user that his/her account has been suspended |
| Web Server Down | The system should display an error message to the user regarding web server unavailability problem |
| Database Connectivity Error | The system should display an error message to the user regarding the database connectivity problem |
| Network Connectivity Error | The system should display an error message to the user regarding the network connectivity problem |

1. Special Requirements

Performance

1. The click on ‘View admin’shall display th list of applicants within 15 seconds of admin request

Availability

* 1. The Users can add only on working days 24x7 .
  2. Application is up and running 24\*7

User Interface

* 1. The letters on Menus shall be bold
  2. The active links shoul be displayed in red color
  3. The visisted links should be displayed in purpule color
  4. The Unvisited links should be displayed in blue
  5. The logout and back button should be available on every page of the application
  6. Look and feel and color of application should be proper.
  7. In case of Field level validation error messages should be displayed in red color.

Security

1. The system shall display the letters of PIN numbers in a masked format when they are entered by the customer.
2. Admin ADD Asset should not have user rights
3. The AMS will allow user to Cancel prompt should be displyed the Add Asset at any point.
4. After click ing on back on browser it should takes you back to the previous page in the list
5. After click ing on Forword on browser it should takes you forword to the next page in the list.
6. Admin Session should get expire if Admin is inactive for 10 mins.
7. Extension Points

Extension in Alternate Flow 1:

In step 7, if the customer has entered wrong user credentials :

1. The system prompts the user to re-enter the credentials

2. Admin enters the Assetname,Asset Description and Aseet Quantity

3. The system takes user to the Step 3 of Basic Flow

Extension in Alternate Flow x:

In step y, if the customer has entered wrong course name in the search option :

1. The system displays error message saying no courses are available.
2. Admin either backs out of this use case, or retries after entering correct data.
3. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | Admin must be valid | Admin is prompted to re-enterr the Modify/Update Details |
| BR02 | Same admin cannot adding details for two users at a time | Displayes error message “You have already add for a asset name” |
| BR03 | admin can view his status only by entering valid Asset\_Id | Displays error message “Invalid Asset\_Id” |

1. Diagrams

Use Case Diagram for User

Activity Diagram<<Not Applicable>>

1. Scenarios

Success Scenarios

* Successful user login to the Asset Management System
* Admin to the Asset Management System with reattempt
* Admin to the Asset Management System using modify Aseet

Failure Scenarios

* Exceeded Login Attempts
* Web Server Down
* Database Connectivity Error
* Network Connectivity Error

1. Issues
2. What is the maximum size of username and password that a user can have ?
3. What if the user is blocked after invalid login attempts for three times ?
4. UI Specifications
5. Inter System Dependencies

Module: ‘Apply Online for Course’ gets impacted due to :

Use case name: Alternate Flow 1

Impact: If the user tries to apply for a course without login, he should be denied so. <<Mention the impact on the above mentioned Use case because of this use case>>

1. Integration with an already existing System of the <<Customer>><<Not Applicable>>
2. Assumptions
3. The Admin should be authenticate.
4. Admin should know the valid URL of Asset Management System.
5. Admin should have Google chrome browser for best view of site.

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Date | Version # | Section Changed | Details of changes made | Approved By |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |