Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | ASSET\_MANAGEMENT\_001 |
| Project Name | ASSET MANAGEMENT PORTAL |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| MD. Rawoof Ahmed | Test Engineer | 05/09/2018 |
| Reviewed by | Role | Date of Review |
| Harsha Vardhan | SME |  |
| Approved by | Role | Date of Approval |
| Sai Kiran | Test Manager |  |
| Circulation List |  | Version Number of the template: |
| Version Number | 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 ‘<<Project Name>>’ is restricted to the contents of this signed off use case.

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Use Case Name: ASSET MANAGEMENT PORTAL

Use Case ID: ASSET\_MANAGEMENT\_06

**Brief Description:** This use case shows the process of using Asset Management Portal for applying for managing various assets in the organization.

Actor(s)

1. Administrator.

2. Manager/User

3. Asset Management System Portal

Preconditions - Admin

1. Administrator is an employee of a company.

2. Administrator has an access to the Asset Management System portal.

3. Administrator has to approve users in the Asset Management System to obtain

4. The admin has to login into the site

http://ndafile:8081/AssetManagementSystem\_Spring.

Preconditions – Manager/USER

1. Manager/User is an employee of Company.

2. User has to register in the Asset Management System to obtain User Id and Password.

3. The user has to successfully login into the site

4. Manager/User has the access to the Asset Management Portal using Login credentials.

http://ndafile:8081/AssetManagementSystem\_Spring

Flow of Events

4.1 Basic Flow of manager/user

**Name:** Successful login.

1. Manager/User visits the website <http://ndafile:8081/AssetManagementSystem_Spring/index.html>

Using browser.

1. Manager/User enters username and password.
2. Manager/User clicks submit button.
3. On successful login, home page is displayed.

**Name:** Raising a request

1. Manager/User clicks on the Raise Request option available in Home Page.
2. Manager/User enters the required credentials for raising a request.
3. Manager/User enters the submit button.
4. Manager/User will receive an automatically generated asset Request ID.
5. Manager/User will select the employee number from the drop down list in raise request page.
6. System displays the message “Asset Request Raised Successfully”.

4.1 Basic Flow of administrator

**Name:** Successful login.

1. Administrator visits the website <http://ndafile:8081/AssetManagementSystem_Spring/index.html>

using browser.

1. Administrator enters username and password.
2. Administrator clicks submit button.
3. On successful login, home page is displayed.

**Name:** Adding an Asset

1. Administrator clicks on the add/modify asset link available in Main Page.
2. Administrator clicks on the add asset link available in Asset Management Page.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. System displays the message “Asset Added Successfully”.
   1. Alternative Flows

Alternate Flow 1: Successful Asset Addition

**Name:** Adding an Asset

1. Administrator clicks on the add/modify asset link available in Main Page.
2. Administrator clicks on the add asset link available in Asset Management System Portal.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. System displays the message “Asset Added Successfully”.

Alternate Flow 2: Successful Asset Modification

**Name:** Modifying an Asset

1. Administrator clicks on the add/modify asset link available in Main Page.
2. Administrator clicks on the modify asset link available in Asset Management Page.
3. Administrator has to select asset name from the drop down list in Modify Asset Page.
4. Administrator has to click on modify button in Modify Asset Page.
5. Administrator has to give asset Description in Modify Asset Page.
6. Administrator has to give asset quantity in Modify Asset Page.
7. Administrator has to give asset id in Modify Asset Page.
8. Administrator has to click on update button in Modify Asset Page.
9. System displays the message “Asset Modified Successfully”.

Alternate Flow 3: Successful Asset Deletion

**Name:** Deleting an Asset

1. Administrator clicks on the add/modify asset link available in Admin Main Page.
2. Administrator clicks on the delete asset link available in Asset Management Page.
3. Administrator has to select asset name from the drop down list in Delete Asset Page.
4. Administrator has to click on delete button in Delete Asset Page.
5. System displays the message “Asset Deleted Successfully”.

Alternate Flow 4: Successful View Request

**Name:** View Request

1. Administrator clicks on the view request option available in Main Page.
2. Administrator will be navigated to the view page.
3. Administrator will be able to view the Asset Name in the view page.
4. Administrator will be able to view the Asset Quantity in the view page.
5. Administrator will be able to view the Request Raised in the view page.
6. Administrator will be able to view the Status in the view page.
7. Administrator will be able to view the Request ID in the view page.

Alternate Flow 5: Successful Approve Request

**Name:** Approve request

1. Administrator clicks on the approve/reject request option available in Main Page.
2. Administrator will be navigated for the approval.
3. Administrator will be able to view the Asset Name in the web page.
4. Administrator will be able to view the Asset Quantity in the web page.
5. Administrator will be able to view the Request Raised in the web page.
6. Administrator will be able to view the Request ID in the web page.
7. Administrator will be able to Accept/Deny the request in the web page.

Alternate Flow 6: Successful Reject Request

**Name:** Reject request

1. Administrator clicks on the approve/reject request option available in Main Page.
2. Administrator will be able to view the Asset Name in web page.
3. Administrator will be able to view the Asset Quantity in web page.
4. Administrator will be able to view the Request Raised in web page.
5. Administrator will be able to view the Status in web page.
6. Administrator will be able to view the Request ID in approve or deny page.
7. Administrator will be able to view Accept option in approve or deny page.
8. Administrator will be able to view Deny in approve or deny page.
9. Administrator clicks on the deny option in web Page.
10. System displays the message “Asset Denied Successfully”.

Alternate Flow 7: Successful Export Data Into CSV/Excel Screens

**Name:** Export data into CSV/Excel screens

1. Administrator clicks on the Export data into csv/excel screens request option available in Admin Main Page.
2. Allows Manager/User to export data into excel sheet.
3. Manager/User will be able to see Employee ID in the excel sheet.
4. Manager/User will be able to see Asset Name in the excel sheet.
5. Manager/User will be able to see Quantity in the excel sheet.
6. Manager/User will be able to see Request Raised in the excel sheet.
7. Manager/User will be able to see Status in the excel sheet.

Exceptional Flow

Exceptional Flow 1: Unsuccessful Raising A Request

**Name:** Raising a request

1. Manager/User clicks on the Raise request option available in Home Page.
2. Manager/User selects Employee number from the drop down list.
3. Manager/User selects Asset name from the drop down list.
4. Manager enters the Description regarding the Asset.
5. Manager enters the Quantity of Assets required.
6. Manager clicks on the submit button.
7. System displays the message “Asset Quantity is Blank”.

Exceptional Flow 2: Unsuccessful Adding An Asset

**Name:** Adding an Asset

1. Administrator clicks on the add/modify asset option available in Admin Main Page.
2. Administrator clicks on the add asset option available in Asset Management Page.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. System displays the message “Asset Name is Blank”.

Exceptional Flow 3: Unsuccessful Modifying An Asset

**Name:** Modifying an Asset

1. Administrator clicks on the add/modify asset option available in Admin Main Page.
2. Administrator clicks on the add asset option available in Asset Management Page.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. System displays the message “Asset ID is Blank”.

Exception Flow 4: Web Server Down

**Name**: Adding an Asset

1. Administrator clicks on the add/modify asset link available in Admin Main Page.
2. Administrator clicks on the add asset link available in Asset Management Page.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. The system displays an error message regarding web server unavailability problem.

Exception Flow 5: Database Connectivity Error

**Name**: Adding an Asset

1. Administrator clicks on the add/modify asset option available in Admin Main Page.
2. Administrator clicks on the add asset option available in Asset Management Page.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. The system displays an error message regarding database connectivity problem.

Exception Flow 6: Network Connectivity Error

**Name**: Adding an Asset

1. Administrator clicks on the add/modify asset link available in Admin Main Page.
2. Administrator clicks on the add asset link available in Asset Management Page.
3. Administrator has to give asset name in Add Asset Page.
4. Administrator has to give asset Description in Add Asset Page.
5. Administrator has to give asset quantity in Add Asset Page.
6. Administrator has to click on submit button in Add Asset Page.
7. The system displays an error message regarding network connectivity problem.

Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful Asset Addition | System displays the message “Asset has been Added Successfully”. |
| Successful Asset Modification | System displays the message “Asset Modified Successfully”. |
| Successful Asset Deletion | System displays the message “Asset Deleted Successfully”. |
| Successful View Request | Administrator will be able to view the Request ID in the view admin page. |
| Successful Reject Request | System displays the message “Asset Denied Successfully”. |
| Successful Export Data Into CSV/Excel Screens | Manager/User will be able to see Status in the excel sheet. |
| Unsuccessful Asset Addition due to invalid asset quantity. | System displays the message “Asset Quantity is left Blank”. |
| Unsuccessful Exam Addition due to invalid asset name. | System displays the message “Asset Name is left Blank”. |
| Unsuccessful Asset Addition due to invalid ID. | System displays the message “Asset ID is left blank”. |
| 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 |

Diagrams

Use Case Diagram

* 1. For Successful Login



* 1. For Successful Raise A Request



* 1. For Viewing The Asset Status



* 1. For Successful Addition Of Asset



* 1. For Successful Modification Of Asset



6. For Successful Deletion Of Asset



Special Requirements

Performance

The Employee should receive the mail having the details of the Exam date and time.

Availability

* 1. Website is up and running 24\*7.

Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | User Name field is accepting special characters and numbers. | System should generate an error message “user name field should contain only characters”. |
| BR02 | User password field is accepting less than six characters. | System should generate an error message “password field should contain more than six characters”. |
| BR03 | Asset Quantity Field is accepting negative and null values. | System should generate an error message “asset Quantity field accepts only positive values”. |
| BR04 | Asset name field is accepting null values and special characters. | System should generate an error message “asset name field should accept valid characters”. |
| BR05 | Asset ID is accepting values other than generated ID. | System should generate an error message “asset id accepts only generated ID’s”. |

Scenarios

Success Scenarios

* Successful submission of Asset Management Application.

Failure Scenarios

* Failed addition of Asset due to leaving a field blank.
* Failed addition of Asset Management Application due to entering wrong User credentials.
* Failed addition of Asset Management Application due to entering invalid Asset Id.
* Failed addition of Asset Management Application due to network error.

Issues

1. What is to be done if web server is down?
2. What is to be done if there is data connectivity error?

Assumptions

1. Only Administrator can avail this service.
2. Only admin can manipulate the fields

REVISION HISTORY OF THE WORK PRODUCT

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