Use Case ID : OASIS\_1

Use Case Name : Login

Actors : User (Admin/Employee/Superior)

Goal : To login to system, ensure system knows who is going to use it

Overview :

User goes to login page. After the login page is loaded and displayed, User enters his/her username and password. Should the username and/or password do not match any data in database, login page shows error message. Should connection and/or server problem occur, login page shows error message. Otherwise, User is redirected to home page, passing User data.

Cross Reference : -

Typical Course of Event :

1. Enter login page link to browser (User)
2. Load login page (System)
3. Enter username and password (User)
4. Click login button or press ‘Enter’ (User)
5. Query username and password match in database (System)
6. Return query result (user data) (System)
7. Redirect to home page based on user data returned (System)

Alternative Courses :

* (2) Connection/server error 🡪 Display error message
* (4) Either username and/or password are/is not entered 🡪 Display error message, prompt for another login attempt
* (6) Query does not return any user data 🡪 Display error message, prompt user to request Admin to add him/her to database
* (7) Connection/server error 🡪 Display error message, prompt for another login attempt
* (7) User data not passed 🡪 Display error message, prompt for another login attempt

Use Case ID : OASIS\_2

Use Case Name : Interact with dashboard

Actors : User (Admin/Employee/Superior)

Goal : To interact with dashboard for better navigation of the application

Overview :

After login, user see his/her dashboard view based on his/her role. His/her role is known by data passed from login page. Dashboard contains navigation bar, ‘Recent Assets Status’ field, and ‘New Updates’ field. Navigation bar’s menus are Dashboard, Manage, and Log Out, with Manage menu being customized based on user’s role. ‘Recent Assets Status’ field shows number of: current requests, assets pending handover, and assets available for loan. Each field section can be clicked and navigates to requests page (current requests and assets pending handover sections) or assets page (assets available for loan section). ‘New Updates’ field shows new requests or requests which status have been changed from requested to approved/rejected/handover. Each request can be directly approved/rejected (for admin and superior), or user can view the details of the request.

Cross Reference : OASIS\_1

Typical Course of Event :

1. User enters dashboard page from login page (User)
2. User clicks available menus (User)
3. System redirects user to specific page after menu click (System)

Alternative Courses :

* (1) No user data is passed 🡪 Display error message, navigate back to login page and prompt for login
* (2) Menus cannot be clicked 🡪 Report bug
* (3) No redirection is done after menu click 🡪 Report bug
* (3) Wrong redirection after menu click 🡪 Report bug

Use Case ID : OASIS\_3

Use Case Name : Interact with manage users page

Actors : User (Admin)

Goal : To interact with manage users page for CRUD operation of users.

Overview :

After redirect from dashboard page with menu ‘Users’ clicked, manage users page is shown, showing all users in database and options for adding new employee, and finding employee(s).

Cross Reference : OASIS\_2

Typical Course of Event :

1. User clicks ‘Users’ menu from dashboard page’s navigation bar (User)
2. Load manage users page (System)
3. User clicks available menus (User)
4. Display page/popup based on menu click (System)

Alternative Courses :

* (2) Connection/server error 🡪 Display error message
* (4) Page/popup not shown after click 🡪 Report bug

Use Case ID : OASIS\_3.1

Use Case Name : Create user

Actors : User (Admin)

Goal : To add new employee data to database

Overview :

After click from manage users page, popup appears asking for new employee data. User (admin) fills all fields and clicks ‘Finish’ button. System then saves the data to database. Popup then closes and shows manage users page.

Cross Reference : OASIS\_3

Typical Course of Event :

1. User clicks ‘New Employee’ menu from manage users page (User)
2. Show popup for data entry (System)
3. Fill all field of new employee data (System)
4. Click ‘Finish’ button (User)
5. Save employee data to database (System)
6. Shows manage users page (System)

Alternative Courses :

* (2) Popup not shown 🡪 Report bug
* (3) User (admin) wants to cancel add new employee 🡪 Close popup by clicking X at top right corner of popup dialog
* (4) ‘Finish’ button not clicked 🡪 Cannot continue to save data, ask for button click
* (5) Connection/server error 🡪 Display error message, prompt for another try

Use Case ID : OASIS\_3.2

Use Case Name : Find user

Actors : User (Admin)

Goal : To find employee(s) from database

Overview :

After click from manage users page and data entry in find user section, User (admin) clicks find button. Results of search is shown, and each result has the option of being clicked for viewing detailed data, update, and delete.

Cross Reference : OASIS\_3

Typical Course of Event :

1. User enters data of employee that user wants to find (User)
2. User clicks find button (User)
3. Search user in database based on data input (System)
4. Display search result (System)

Alternative Courses :

* (1) No search query is given 🡪 Display error message, prompt for search query
* (2) Find button not clicked 🡪 Cannot find employee, ask for button click
* (3) Database is empty 🡪 Return error message showing database is empty, prompt for new employee data input
* (4) Search returns nothing 🡪 Display error message, prompt for new employee data input

Use Case ID : OASIS\_3.2.1

Use Case Name : View user profile

Actors : User (Admin)

Goal : To view employee profile obtained from search result

Overview :

After results of search for employee have been displayed, each result could be clicked to see the employee’s profile in detail. Popup would show to display all fields of employee’s data which are non-editable. After finished of viewing employee profile, user (admin) closes popup.

Cross Reference : OASIS\_3.2

Typical Course of Event :

1. Results from find user profile is shown (System)
2. Click a result (employee) (User)
3. Display employee’s detail in popup (System)
4. Close popup (User)

Alternative Courses :

* (1) No result returned 🡪 Display error message, prompt for new employee data input
* (3) Employee detail not shown 🡪 Report bug

Use Case ID : OASIS\_3.2.2

Use Case Name : Update user data

Actors : User (Admin)

Goal : To update employee data

Overview :

After results of search for employee have been displayed, each result could have the option of being viewed, updated, or deleted. The update process begins with clicking update button of a result (employee), then a popup would appear showing all fields of employee’s data which are editable. User (admin) then fills the field(s) which admin would like to edit. After editing completes, system asks admin for password for validation. Admin then clicks finish button. Popup then closes.

Cross Reference : OASIS\_3.2

Typical Course of Event :

1. Results from find user profile is shown (System)
2. Click a result (employee) option for update (User)
3. Display employee’s detail (editable) in popup (System)
4. Enter new data in each to-be-updated field (User)
5. Ask for password (User)
6. Type password (User)
7. Click finish button (User)
8. Update employee data in database (System)
9. Close popup (System)

Alternative Courses :

* (1) No result returned 🡪 Display error message, prompt for new employee data input
* (3) Employee detail not shown 🡪 Report bug
* (3) User cancels update 🡪 Close popup by clicking X at top right corner of the popup dialog
* (6) Password not typed 🡪 Cannot update data, ask for password again
* (7) Finish button not clicked 🡪 Cannot update data, ask for button click
* (8) Connection/server error 🡪 Display error message and prompt for another update attempt

Use Case ID : OASIS\_3.2.3

Use Case Name : Delete user

Actors : User (Admin)

Goal : To delete employee data from database

Overview :

After results of search for employee have been displayed, each result could have the option of being viewed, updated, or deleted. The deletion process begins with clicking delete button of a result (employee), then a confirmation dialog would appear asking if user confirms deletion. If user confirms, his/her password is required to be typed and after credentials match, user data is deleted. Popup then closes.

Cross Reference : OASIS\_3.2

Typical Course of Event :

1. Results from find user profile is shown (System)
2. Click a result (employee) option for delete (User)
3. Display confirmation popup dialog (System)
4. Choose confirm button (User)
5. Ask for password of user (System)
6. Type password (User)
7. Click continue button (User)
8. Check credentials (System)
9. Delete user (System)
10. Close popup (System)

Alternative Courses :

* (1) No result returned 🡪 Display error message, prompt for new employee data input
* (3) Confirmation popup dialog not shown 🡪 Report bug
* (4) User cancels delete 🡪 Popup closes
* (6) User does not type password 🡪 Cannot delete employee data, ask for password again
* (7) Continue button not clicked 🡪 Cannot delete employee data, close popup
* (8) Connection/server error 🡪 Display error message, prompt for password retype
* (9) Connection/server error 🡪 Display error message, prompt for another deletion attempt

Use Case ID : OASIS\_4

Use Case Name : Interact with manage assets page

Actors : User (Admin)

Goal : To interact with manage assets page for CRUD operation of assets.

Overview :

After redirect from dashboard page with menu ‘Assets’ clicked, manage assets page is shown, showing all assets in database and options for adding new asset, and finding asset(s).

Cross Reference : OASIS\_2

Typical Course of Event :

1. User clicks ‘Assets’ menu from dashboard page’s navigation bar (User)
2. Load manage assets page (System)
3. User clicks available menus (User)
4. Display page/popup based on menu click (System)

Alternative Courses :

* (2) Connection/server error 🡪 Display error message
* (4) Page/popup not shown after click 🡪 Report bug

Use Case ID : OASIS\_4.1

Use Case Name : Add asset

Actors : User (Admin)

Goal : To add new asset data to database

Overview :

After click from manage assets page, popup appears asking for new asset data. User (admin) fills all fields and clicks ‘Finish’ button. System then saves the data to database. Popup then closes and shows manage assets page.

Cross Reference : OASIS\_4

Typical Course of Event :

1. User clicks ‘New Asset’ menu from manage asset page (User)
2. Show popup for data entry (System)
3. Fill all field of new asset data (System)
4. Click ‘Finish’ button (User)
5. Save asset data to database (System)
6. Shows manage assets page (System)

Alternative Courses :

* (2) Popup not shown 🡪 Report bug
* (3) User (admin) wants to cancel add new asset 🡪 Close popup by clicking X at top right corner of popup dialog
* (4) ‘Finish’ button not clicked 🡪 Cannot continue to save data, ask for button click
* (5) Connection/server error 🡪 Display error message, prompt for another try

Use Case ID : OASIS\_4.2

Use Case Name : Find asset

Actors : User (Admin/Superior/Employee)

Goal : To find asset(s) from database

Overview :

After click from manage assets page and data entry in find asset section, User (admin) clicks find button. Results of search is shown, and each result has the option of being clicked for viewing detailed data, update, and delete.

Cross Reference : -

Typical Course of Event :

1. User enters data of asset that user wants to find (User)
2. User clicks find button (User)
3. Search asset in database based on data input (System)
4. Display search result (System)

Alternative Courses :

* (1) No search query is given 🡪 Display error message, prompt for search query
* (2) Find button not clicked 🡪 Cannot find employee, ask for button click
* (3) Database is empty 🡪 Return error message showing database is empty, prompt for new asset data input
* (4) Search returns nothing 🡪 Display error message, prompt for new asset data input

Use Case ID : OASIS\_4.2.1

Use Case Name : View asset detail

Actors : User (Admin/Superior/Employee)

Goal : To view asset detail obtained from search result

Overview :

After results of search for asset have been displayed, each result could be clicked to see the asset’s detail. Popup would show to display all fields of asset detail which are non-editable. After finished of viewing asset detail, user (admin) closes popup.

Cross Reference : OASIS\_3.2

Typical Course of Event :

1. Results from find asset data is shown (System)
2. Click a result (asset) (User)
3. Display asset detail in popup (System)
4. Close popup (User)

Alternative Courses :

* (1) No result returned 🡪 Display error message, prompt for new asset data input
* (3) Employee detail not shown 🡪 Report bug

Use Case ID : OASIS\_4.2.1.1

Use Case Name : Print asset detail

Actors : User (Admin/Superior/Employee)

Goal : To print asset detail

Overview :

After viewing item detail, user can print item detail by clicking print item (asset) detail button. System will then generate a document, ready to print one, containing all data of item. System then asks for confirmation for printing item detail, and if user confirms by clicking confirm button, the document is printed.

Cross Reference : OASIS\_4.2.1

Typical Course of Event :

1. Popup containing asset detail is shown (System)
2. Click print item detail button (User)
3. Generate document of item detail (System)
4. Ask for confirmation (System)
5. Click confirm button (User)
6. Print document (System)
7. Close popup (System)

Alternative Courses :

* (1) Asset detail not shown 🡪 Report bug
* (2) Print item detail button not clicked 🡪 Cannot print item detail, ask for button click
* (5) Confirm button not clicked 🡪 Cannot print item detail, ask for button click

Use Case ID : OASIS\_4.2.2

Use Case Name : Update asset data

Actors : User (Admin)

Goal : To update asset data

Overview :

After results of search for asset have been displayed, each result could have the option of being viewed, updated, or deleted. The update process begins with clicking update button of a result (asset), then a popup would appear showing all fields of asset detail which are editable. User (admin) then fills the field(s) which admin would like to edit. After editing completes, system asks admin for password for validation. Admin then types password and clicks finish button. Popup then closes.

Cross Reference : OASIS\_4.2

Typical Course of Event :

1. Results from find asset detail is shown (System)
2. Click a result (asset) option for update (User)
3. Display asset detail (editable) in popup (System)
4. Enter new data in each to-be-updated field (User)
5. Ask for password (System)
6. Type password (User)
7. Click finish button (User)
8. Update asset data in database (System)
9. Close popup (System)

Alternative Courses :

* (1) No result returned 🡪 Display error message, prompt for new asset data input
* (3) Asset detail not shown 🡪 Report bug
* (3) User cancels update 🡪 Close popup by clicking X at top right corner of the popup dialog
* (6) Password not typed 🡪 Cannot update data, ask for password again
* (7) Finish button not clicked 🡪 Cannot update data, ask for button click
* (8) Connection/server error 🡪 Display error message and prompt for another update attempt

Use Case ID : OASIS\_4.2.3

Use Case Name : Delete asset

Actors : User (Admin)

Goal : To delete asset data from database

Overview :

After results of search for asset have been displayed, each result could have the option of being viewed, updated, or deleted. The deletion process begins with clicking delete button of a result (asset), then a confirmation dialog would appear asking if user confirms deletion. If user confirms, his/her password is required to be typed and after credentials match, asset data is deleted. Popup then closes.

Cross Reference : OASIS\_4.2

Typical Course of Event :

1. Results from find asset detail is shown (System)
2. Click a result (asset) option for delete (User)
3. Display confirmation popup dialog (System)
4. Choose confirm button (User)
5. Ask for password of user (System)
6. Type password (User)
7. Click continue button (User)
8. Check credentials (System)
9. Delete asset (System)
10. Close popup (System)

Alternative Courses :

* (1) No result returned 🡪 Display error message, prompt for new asset data input
* (3) Confirmation popup dialog not shown 🡪 Report bug
* (4) User cancels delete 🡪 Popup closes
* (6) User does not type password 🡪 Cannot delete asset data, ask for password again
* (7) Continue button not clicked 🡪 Cannot delete asset data, close popup
* (8) Connection/server error 🡪 Display error message, prompt for password retype
* (9) Connection/server error 🡪 Display error message, prompt for another deletion attempt

Use Case ID : OASIS\_5

Use Case Name : View asset requests

Actors : User (Admin/Superior/Employee)

Goal : To see all asset requests

Overview :

For each employee and/or superior who does not have any superior, their superior is the admin. So, asset requests will be handled by admin. All requests can be directly accessed from ‘Recent Asset Status’ field or from navigation bar in dashboard. Access from ‘Recent Asset Status’ field would result in a sorted display of requests based on date of request from newest to oldest, including other requests. Employee who runs this use case would see only his/her requests.

Cross Reference : OASIS\_2

Typical Course of Event :

1. User clicks ‘Requests’ menu from navigation bar (User)
2. Load requests page and data of all requests (unsorted) (System)
3. Display all requests (System)
4. View all requests (User)

Alternative Courses :

* (2) Connection/server error 🡪 Display error message
* (2) Click comes from ‘Recent Asset Status’ field 🡪 Data of all requests are sorted from newest to oldest

Use Case ID : OASIS\_5.1

Use Case Name : Find request

Actors : User (Admin/Superior/Employee)

Goal : To find asset request(s) from database

Overview :

User wants to find specific asset request(s). User enters request data as search query and click find button to ask system to do searching. System searches for request based on given query and returns result found.

Cross Reference : OASIS\_5

Typical Course of Event :

1. User enters search query (User)
2. User clicks find button (User)
3. Search for request(s) in database (System)
4. Display search result(s) (User)

Alternative Courses :

* (1) No search query is given 🡪 Display error message, prompt for search query
* (2) Find button not clicked 🡪 Cannot do searching, prompt for button click
* (3) Database is empty 🡪 Return error message showing database is empty
* (4) Search returns nothing 🡪 Display error message

Use Case ID : OASIS\_5.1.1

Use Case Name : View detail of superior/employee request

Actors : User (Admin/Superior)

Goal : To view asset request detail

Overview :

After finding/seeing all requests in database, user wants to see the details of an asset request. User clicks the view detail button and a popup appears showing the detail of the request. In the popup, buttons for approval or rejection of request exists as well.

Cross Reference : OASIS\_5.1

Typical Course of Event :

1. User clicks view detail button of a request (User)
2. Display request detail in popup (System)

Alternative Courses :

* (1) View detail button not clicked🡪 Cannot do searching, prompt for button click
* (1) Find button not clicked 🡪 Cannot do searching, prompt for button click
* (2) Request detail not shown 🡪 Report bug

Use Case ID : OASIS\_5.1.2

Use Case Name : Approve/reject request

Actors : User (Admin/Superior)

Goal : To approve/reject asset request

Overview :

After finding/seeing all requests in database, user wants to approve/reject an asset request. User clicks the approve (check button) or reject (cross button) and a popup appears showing the header of the request and asking for password for validation. System then checks credentials and if credentials checked fine, request status is changed to approved/rejected.

Cross Reference : OASIS\_5.1

Typical Course of Event :

1. User clicks approve/reject button (User)
2. Display request header in popup, prompt for password (System)
3. Type password (User)
4. Click finish button or press enter (User)
5. Checks credentials (System)
6. Change request status (System)
7. Notify requester (System)
8. Close popup (System)

Alternative Courses :

* (1) Approve/reject button not clicked🡪 Cannot do searching
* (4) Finish button / enter not pressed 🡪 Cannot change status, prompt for click
* (5) Credentials not found 🡪 Request status not changed, display error message, ask for password again

Use Case ID : OASIS\_5.2

Use Case Name : Create request

Actors : User (Employee/Superior)

Goal : To create asset request

Overview :

When employee/superior wants to use an asset, he/she must create a request to his/her superior for using the asset. To create a request, user clicks new request button, then system displays popup. User then fills all fields in the popup, and clicks finish button after filling all fields. System then notifies user’s superior of the request. Popup then closes.

Cross Reference : OASIS\_5

Typical Course of Event :

1. User clicks new request button (User)
2. Display popup (System)
3. Fill all fields (User)
4. Click finish button (User)
5. Store request in database (System)
6. Notify superior of the new request (System)
7. Close popup (System)

Alternative Courses :

* (1) New request button not clicked🡪 Cannot create request
* (4) Finish button not clicked🡪 Cannot create request, prompt for button click

Use Case ID : OASIS\_5.3

Use Case Name : Delete request

Actors : User (Employee/Superior)

Goal : To create asset request

Overview :

When employee/superior wants to cancel an asset request, he/she must find the request first. After finding the request, he/she click the button for cancelling request. When clicked, popup is shown asking for password. After password has been typed and user clicks confirmation button or presses enter, system deletes request. Popup then closes.

Cross Reference : OASIS\_5, OASIS\_5.1

Typical Course of Event :

1. User clicks cancel button of a request (User)
2. Display popup asking for confirmation and password (System)
3. Type password (User)
4. Click confirm button or press enter (User)
5. Check credentials (System)
6. Delete request (System)
7. Close popup (System)

Alternative Courses :

* (1) Cancel request button not clicked🡪 Cannot cancel request
* (3) Password not typed 🡪 Cannot cancel request, prompt for password again
* (4) Confirm button not clicked🡪 Cannot cancel request, prompt for button click
* (5) Credentials do not match 🡪 Cannot cancel request, prompt for another attempt
* (6) Connection/server error 🡪 Display error message, prompt for another attempt