**Expanded Use Case Description/Course of Events**

**#1 Use Case: User Management**

**Actor: System Admin**

| Actor Action | System Response |
| --- | --- |
| 1. Click create user nav item. | 2. Display new user creation form. |
| 3. Enter user information. | 4. Verify the email using domain list, create new user, show success message, and send url to user email. |

Domain Classes: User, Organization, SignupEmail.

Improvement: add bulk user creation - phase 2

Verification for Phase 1:

1. Domain of email set: Make sure any emails going out is within this domain list

**#2 Use Case: Add Bulk User**

**Actor: System Admin**

| Actor Action | System Response |
| --- | --- |
| 1. Click bulk-user-import nav item. | 2. Display bulk-user-import UI. |
| 3. Upload the excel file. | 4. Read each row, verify the email, create new user and send url to every user's email. |
|  | 5. Show user list. |

Domain Classes: User

**#3 Use Case: Add Email Domain**

**Actor: System Admin**

| Actor Action | System Response |
| --- | --- |
| 1. Click add domain nav item. | 2. Display add domain UI. |
| 3. Enter new domain name. | 4. Store the domain name and show domain list. |

Domain Classes: Domain,

**#4 Use Case: SignUp**

**Actor: Organization Employee**

| Actor Action | System Response |
| --- | --- |
| 1. Receive email from the system. |  |
| 2. Click on the link. | 3. Show registration completion page which includes *Enter Password* and *Confirm Password*. |
| 4. Enter and confirm the password. | 5. Match both password fields. |
|  | 6. Show registration complete message and redirect to the login page. |

Domain Classes: UserCredentials

**#5 Use Case: Login**

**Actor: System Admin, Directory Creator, Organization Employee**

| Actor Action | System Response |
| --- | --- |
| 1. Click login nav item | 2. Render login UI with username, password fields. |
| 3. Enter username and password. | 4. Verify username and password. |
|  | 5. Show panel based on permission. |

Domain Classes: Panel, Personal information.

**#6 Use Case: Profile Update**

**Actor: System Admin, Directory Creator, Organization Employee**

| Actor Action | System Response |
| --- | --- |
| 1. Click on the profile update link. | 2. Render profile update UI. |
| 3. Edit personal information. | 4. Check the information and save in the system. |
|  | 5. Display user details. |

Domain Classes: User

**#7 Use Case: File System Configuration**

**Actor: System Admin**

| Actor Action | System Response |
| --- | --- |
| 1. Click the create organization button. | 2. Display create organization form. |
| 3. Enter the organization's name, address, and contact person details. | 3. Store the information and create an organization. |

Domain Classes: Organization, contact person

Verification for Phase 1: None

**#8 Use Case: Create Business Unit**

**Actor: System Admin**

| Actor Action | System Response |
| --- | --- |
| 1. Click the create business unit button. | 2. Render create business unit form. |
| 3. Enter business unit name, address, contact information. | 4. Store business unit information along with its org name. |

Domain Classes: Business Unit, Address, Contact

Think of how single business units without Organization would be represented in the system - phase 2

**Business unit will contain:** contact, unit name, etc.

**Composite Design Pattern will be used for the following:**

Composed of 2 dataTypes:

1. Module/Directory
2. WorkflowFile:
   1. Graph
      1. Permission
      2. Set of nodes
   2. Screen

**#9 Use Case: Create Directory**

**Actor: Directory Creator**

| Actor Action | System Response |
| --- | --- |
| 1. Navigate to Organization -> Business Unit | 2. Show all directories if any or show empty and create directory buttons. |
| 3. Click on the add directory button under business units. | 4. Display create directory UI. |
| 5. Enter directory name. | 6. Store directory along with its org, business unit. |

Domain Classes: Directory

**#10 Use Case: Create Workflow**

**Actor: Directory Creator**

| Actor Action | System Response |
| --- | --- |
| 1. Click workflow builder nav item | 2. Render workflow builder UI |
| 3. Click create workflow | 4. Render workflow name input field |
| 5. Enter a workflow name and click save button | 6. Store workflow with its name along with its org, business unit, directoryetc. |

Domain Classes: Workflow

**#11 Use Case: Build Screen**

**Actor: Directory Creator**

| Actor Action | System Response |
| --- | --- |
| 1. Create screen | 2. Render screen builder UI with 2 dropdown. Select input object and report object from the list. And store into db. |

Domain Classes: Screen, InputObject, ReportObject

**#12 Use Case: Create Input Object**

**Actor: Directory Creator**

| Actor Action | System Response |
| --- | --- |
| 1. Click create input object nav item | 2. Render create input object form with an input field for input object name |
| 3. Enter the input object name | 4. Store the input object with its name |

Domain Classes: InputObject

**#13 Use Case: Create Report Object**

**Actor: Directory Creator**

| Actor Action | System Response |
| --- | --- |
| 1. Click the create report object nav item | 2. Render the create report object UI with an input field for its name |
| 3. Enter the name of the report object | 4. Store the report object with its name |

Domain Classes: ReportObject

Permission use case - phase 2

Phase 1 objective:

1. User System
2. File System

Phase 2:

1. Improvements to phase 1
2. Workflow System