use case description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC01 | | | |
| Use case name | Log In | | | |
| Scenario | Returning user wants access into application | | | |
| Triggering event | Customer clicks log in button | | | |
| Brief description | The user enters their credentials into the user id and password inputs and submits information for validation | | | |
| Actors | User | | | |
| Related use cases | User logs out, View Summary Page, View Schedule List, View Plant List, View Settings Page, View About Page | | | |
| Pre-conditions | User must be registered before logging in | | | |
| Post-conditions | User’s user id must be put into local storage to track user | | | |
| Flow of events | Actor | | System | |
| 1. | Enters username and password |  |  |
| 2. | Clicks log in | 3. | Validates inputs |
|  |  | 4. | Displays summary page |
| Exceptions | Credentials not valid, show error message | | | |

Table 1: UC01- Log In

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC02 | | | |
| Use case name | Register For An Account | | | |
| Scenario | New user must register for account to gain access to application | | | |
| Triggering event | User clicks save button on register page | | | |
| Brief description | After clicking register for free button on log in page, user enters their information and clicks save | | | |
| Actors | User | | | |
| Related use cases | User updates account settings | | | |
| Pre-conditions | User must not already exist in the system | | | |
| Post-conditions | User is given a user id in order to be tracked by the system | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks register for free button | 2. | Display user registration page |
| 3. | Enter account information |  |  |
| 4. | Clicks save | 4. | Validates inputs, saves information |
|  |  |  | 5. | Display summary page |
| Exceptions | User already exists, show error message  Account information invalid, show error message | | | |

Table 2: UC02- Register For An Account

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC03 | | | |
| Use case name | Log Out | | | |
| Scenario | User wishes to log out of the application | | | |
| Triggering event | User clicks the log out button from the settings page | | | |
| Brief description | After navigating to the settings page, user clicks log out button and is brought back to the log in page | | | |
| Actors | User | | | |
| Related use cases | User logs in | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | Users id is no longer tracked | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks settings page tab in navigation menu | 2. | Display settings page |
| 3. | Clicks log out button | 4. | Display log in page |
| Exceptions |  | | | |

Table 3: UC03-Log Out

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC04 | | | |
| Use case name | View Summary Page | | | |
| Scenario | User wishes to see list of their notifications and daily briefing | | | |
| Triggering event | User clicks the home tab in the navigation menu | | | |
| Brief description | User clicks on the home tab and is redirected to the summary page, where they can view all notifications related to the care of their plants. Summary page also includes the day’s briefing | | | |
| Actors | User | | | |
| Related use cases | User logs in | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | If user has plants with schedules, populate the notification with daily notifications | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks home page tab in navigation menu | 2. | Display summary page with current notifications and briefing |
| Exceptions | User has no notifications, notification area is empty | | | |

Table 4: UC04-View Summary Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC05 | | | |
| Use case name | View Plant List | | | |
| Scenario | User wants to see a list of their plant profiles | | | |
| Triggering event | User clicks plants tab from navigation menu | | | |
| Brief description | The plant list contains a list of all of the user plants, from which they can edit, delete and update plant profiles | | | |
| Actors | User | | | |
| Related use cases | Create A Plant, Edit A Plant, Delete A Plant | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | None | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks plant tab from navigation menu | 2. | Display list of plants |
| Exceptions | User has no plants, plant list is empty | | | |

Table 5: UC05- View Plant List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC06 | | | |
| Use case name | Add Plant Profile | | | |
| Scenario | User wants to manage a new plant | | | |
| Triggering event | User clicks save button on add plant page | | | |
| Brief description | After clicking add a plant from the plant list page, user enters all the necessary plant information and saves | | | |
| Actors | User | | | |
| Related use cases | Edit Plant Profile, Delete Plant Profile | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | Plant is added to the database | | | |
| Flow of events | Actor | | System | |
| 1. | Click add a plant from plant list page | 2. | Display add plant page |
| 3. | Click Take picture button | 4. | Call sub-function Capture Plant Profile Photo |
| 5. | Click search mother plant button | 6. | Call sub-function Search Mother Plant |
| 7. | Enters plant information |  |  |
| 8. | Clicks save | 9 | Validates inputs and saves information |
|  |  | 10. | Displays plant list page |
| Exceptions | Invalid plant information, show error message | | | |

Table 6: UC06- Add A Plant Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC07 | | | |
| Use case name | Edit Plant Profile | | | |
| Scenario | User changes plant information | | | |
| Triggering event | User clicks update button on edit plant page | | | |
| Brief description | After selecting a specific plant profile from the list of plants and viewing its details, the user selects the edit button, changes plant information, and clicks update | | | |
| Actors | User | | | |
| Related use cases | Add Plant Profile, Delete Plant Profile, View Plant Profile | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | Plant is updated in the database | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks on plant from plant list | 2. | Display plant profile |
| 3. | Clicks edit button | 4. | Display edit plant page |
| 5. | Click Take picture button | 6. | Call sub-function Capture Plant Profile Photo |
| 7. | Click search mother plant button | 8. | Call sub-function Search Mother Plant |
| 9. | Updates plant information |  |  |
| 10. | Clicks update button | 11. | Validate inputs, saves information |
|  |  |  | 12. | Display confirmation |
|  |  |  | 13. | Display plant list page |
| Exceptions | Invalid plant information, show error message | | | |

Table 7: UC07- Edit Plant Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC08 | | | |
| Use case name | View Plant Profile | | | |
| Scenario | User wishes to see plant details | | | |
| Triggering event | User clicks on plant from plant list | | | |
| Brief description | After clicking on plant, show plant page is displayed containing all plant information | | | |
| Actors | User | | | |
| Related use cases | Add Plant Profile, Delete Plant Profile, Edit Plant Profile | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | None | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks on plant from plant list | 2. | Display plant profile |
| Exceptions |  | | | |

Table 8: UC08- View Plant Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC09 | | | |
| Use case name | Delete Plant Profile | | | |
| Scenario | User no longer wishes to manage plant profile | | | |
| Triggering event | User clicks delete button on plant profile page | | | |
| Brief description | After viewing the plant’s profile, the user clicks the delete button. After confirming the user’s intent, the plant is deleted | | | |
| Actors | User | | | |
| Related use cases | Add Plant Profile, View Plant Profile, Edit Plant Profile | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | Plant no longer exists in the database | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks on plant from plant list | 2. | Display plant profile |
| 3. | Clicks delete button | 4. | Prompts user for confirmation |
| 5. | User confirms | 6. | Plant is deleted |
|  |  |  | 7. | Display plant list page |
| Exceptions | User retracts intent to delete, plant profile is displayed again | | | |

Table 9: UC09-Create Employee

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC10 | | | |
| Use case name | View Plant Schedule List | | | |
| Scenario | User wants to see a list of their plant schedules | | | |
| Triggering event | User clicks schedule tab from navigation menu | | | |
| Brief description | The schedule list contains a list of all of the schedules for each of the user’s plants, from which they can edit, delete and update plant schedules | | | |
| Actors | User | | | |
| Related use cases | Add Plant Schedule, Edit Plant Schedule, Delete Plant Schedule, View Plant Schedule | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | None | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks schedule tab from navigation menu | 2. | Display list of schedules |
| Exceptions | User has no schedules, schedule list is empty | | | |

Table 10: UC10- View Schedule List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC11 | | | |
| Use case name | Add Plant Schedule | | | |
| Scenario | User wants to create a new plant schedule | | | |
| Triggering event | User clicks save button on add schedule page | | | |
| Brief description | After clicking add a schedule from the schedule list page, user enters all the necessary schedule information and saves | | | |
| Actors | User | | | |
| Related use cases | Edit Plant Schedule, Delete Plant Schedule, View Plant Schedule List | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | Schedules is added to the database | | | |
| Flow of events | Actor | | Actor | |
| 1. | Click add a schedule from schedule list page | 2. | Display add schedule page |
| 3. | Clicks search plants button | 4. | Call sub-function Search Plants |
| 5. | Enters plant information |  |  |
| 6. | Clicks save | 7. | Validates inputs and saves information |
|  |  |  | 8. | Display plant schedule list page |
| Exceptions | Invalid schedule information, show error message | | | |

Table 11: UC11- Add Plant Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC12 | | | |
| Use case name | Edit Plant Schedule | | | |
| Scenario | User changes schedule information | | | |
| Triggering event | User clicks update button on edit schedule page | | | |
| Brief description | After selecting a specific schedule from the list of schedules and viewing its details, the user selects the edit button, changes schedule information, and clicks update | | | |
| Actors | User | | | |
| Related use cases | Add Plant Schedule, Delete Plant Schedule, View Plant Schedule | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | Schedule is updated in the database | | | |
| Flow of events | Actor | | Actor | |
| 1. | Clicks on schedule from schedule list | 2. | Display plant schedule |
| 3. | Clicks edit button | 4. | Display edit schedule page |
| 4. | Clicks search plants button | 5. | Call sub-function Search Plants |
| 6. | Updates schedule information |  |  |
|  | 7. | Clicks update button | 8. | Validate inputs, saves information |
|  |  |  | 9. | Display confirmation and display plant schedule list page |
| Exceptions | Invalid schedule information, show error message | | | |

Table 12: UC12- Edit Plant Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC13 | | | |
| Use case name | Delete Plant Schedule | | | |
| Scenario | User no longer wishes to manage plant schedule | | | |
| Triggering event | User clicks delete button on plant schedule page | | | |
| Brief description | After viewing the plant’s schedule, the user clicks the delete button. After confirming the user’s intent, the schedule is deleted | | | |
| Actors | User | | | |
| Related use cases | Add Plant Schedule, View Plant Schedule, Edit Plant Schedule | | | |
| Pre-conditions | User must have an account and be signed in  User must have a plant list | | | |
| Post-conditions | Schedule is deleted from the database | | | |
| Flow of events | Actor | | Actor | |
| 1. | Clicks on plant schedule from schedule list | 2. | Display plant schedule |
| 3. | Clicks delete button | 4. | Prompts user for confirmation |
| 5. | User confirms | 6. | Schedule is deleted |
|  |  |  | 7. | Display plant schedule list page |
| Exceptions | User retracts intent to delete, plant schedule is displayed again | | | |

Table 13: UC13- Delete Plant Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC14 | | | |
| Use case name | View Settings Page | | | |
| Scenario | User wishes to view the settings page | | | |
| Triggering event | User clicks settings tab from navigation menu | | | |
| Brief description | The user clicks the settings tab and enters the settings page | | | |
| Actors | User | | | |
| Related use cases | Log out, View Account Settings, View About Page | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | None | | | |
| Flow of events | Actor | | System | |
| 1. | Click settings tab from navigation menu | 2. | Display Settings Page |
| Exceptions |  | | | |

Table 14: UC14- View Settings Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC15 | | | |
| Use case name | View Account Settings | | | |
| Scenario | User wishes to view or update account settings | | | |
| Triggering event | User clicks account settings button | | | |
| Brief description | User clicks the account settings button from the settings page | | | |
| Actors | User | | | |
| Related use cases | View Settings Page, Edit Account Settings | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | None | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks account settings button | 2. | Display account settings page |
| Exceptions | Employee already exists, show error message | | | |

Table 15: UC15- View Account Settings

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC16 | | | |
| Use case name | Edit Account Settings | | | |
| Scenario | User wishes to change their account settings | | | |
| Triggering event | User clicks save button | | | |
| Brief description | After viewing the account settings, the user changes some account details and clicks save | | | |
| Actors | User | | | |
| Related use cases | View Account Settings, Delete Account | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | User is updated in the database | | | |
| Flow of events | Actor | | System | |
| 1. | Edits account details |  |  |
| 2. | Clicks save button | 3. | Save information |
|  |  |  | 4. | Display confirmation and display settings page |
| Exceptions | User already exists, show error message  Invalid account information, show error message | | | |

Table 16: UC16- Edit Account Settings

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC17 | | | |
| Use case name | Delete Account | | | |
| Scenario | User wishes to delete their account | | | |
| Triggering event | User clicks delete button on account settings page | | | |
| Brief description | The user navigates to the account settings page and clicks the delete button | | | |
| Actors | User | | | |
| Related use cases | View Account Settings, Edit Account Settings, Log In | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | User is deleted from the database | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks on account settings from settings page | 2. | Display account settings |
| 3. | Clicks delete button | 4. | Prompts user for confirmation |
| 5. | User confirms | 6. | User is deleted |
|  |  |  | 7. | Display log in page |
| Exceptions | User retracts intent to delete, account setting page is displayed again | | | |

Table 17: UC17- Delete Account

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case # | UC18 | | | |
| Use case name | View About Page | | | |
| Scenario | User wishes to know more about the application | | | |
| Triggering event | User clicks the about tab from the navigation menu | | | |
| Brief description | The user clicks the about button and the about page is displayed | | | |
| Actors | User | | | |
| Related use cases | View Settings Page | | | |
| Pre-conditions | User must have an account and be signed in | | | |
| Post-conditions | None | | | |
| Flow of events | Actor | | System | |
| 1. | Clicks about button from settings page | 2. | Display about page |
| Exceptions |  | | | |

Table 18: UC18- View About Page