UID - 01

**Use case**: Assigning Shifts to Employees

**Actor**: Manager/Administrator

**Main Success Scenario**:

1. The manager logs into the desktop application

2. The manager selects the "Assign Shifts" option

3. The manager selects the desired employee and shift time

4. The manager confirms the shift assignment

5. The shift is successfully assigned and reflected in the employee's schedule

**Extensions**:

3a : If the selected employee is already assigned to a shift during that time, the system will notify the manager of a conflict and ask them to select a different time or employee.

3b: If the selected shift time falls outside of the working hours defined in the system, the manager will be notified and asked to select a different time.

**Use case**: Requesting Refill for a Certain Stock

**Actor**: Employee

**Main Success Scenario**:

1. The employee logs into the web application

2. The employee selects the "Request Refill" option

3. The employee selects the item that needs to be refilled

4. The employee inputs the desired quantity

5. The request is successfully submitted to the manager for review

**Extensions**:

4a: If the employee inputs an invalid quantity (e.g. negative number), the system will notify the employee and ask them to input a valid quantity.

3a: If the item is not in the system, the employee will be notified and asked to select a different item.

UID - 02

**Use case**: Managing Employee Information

**Actor**: Manager/Administrator

**Main Success Scenario**:

1- The manager logs into the desktop application

2- The manager selects the "Manage Employees" option

3- The manager selects the desired employee

4- The manager updates the employee information as needed

5- The updates are successfully saved in the system

**Extensions**:

4a: If the manager attempts to delete an employee with assigned shifts, the system will notify the manager of the shift conflicts and ask them to resolve them before deleting the employee.

4b: If the manager inputs invalid information (e.g. incorrect format for email or phone number), the system will notify the manager and ask them to input valid information.

**Use case**: Assign Shift to Employee

**Actor**: Manager

**Main success scenario**:

1- The manager logs into the desktop application.

2- The manager navigates to the employee management section.

3- The manager selects an employee from the list.

4- The manager selects a shift from the dropdown menu.

5- The manager clicks on the "Assign Shift" button.

6- The shift is successfully assigned to the employee.

**Extensions**:

If the manager tries to assign a shift to an employee who is already assigned to a shift at the same time, the system displays an error message.

If the manager tries to assign a shift to an employee who is already assigned to a different shift at the same time, the system prompts the manager to confirm the reassignment.

**Use case**: Request Refill for a Stock Item

**Actor**: Worker

**Main success scenario**:

1- The worker logs into the web application.

2- The worker navigates to the stock management section.

3- The worker selects a stock item from the list.

4- The worker enters the quantity needed for the refill.

5- The worker clicks on the "Request Refill" button.

6- The refill request is successfully submitted.

**Extensions**:

If the worker tries to request a refill for a stock item that is already being refilled, the system displays an error message.

If the worker tries to request a refill for a stock item that is out of stock, the system displays an error message.

**Use case**: View Personal Information and Shifts of an Employee

**Actor**: Manager

**Main success scenario**:

1- The manager logs into the desktop application.

2- The manager navigates to the employee management section.

3- The manager selects an employee from the list.

4- The manager clicks on the "View Info" button.

5- The personal information and shifts of the selected employee are displayed.

**Extensions:**

If the manager tries to view the personal information and shifts of an employee who has not been assigned to any shifts, the system displays a message indicating that there is no shift information available.

If the manager tries to view the personal information and shifts of an employee who is no longer employed by the company, the system displays a message indicating that the employee is no longer active.

**General** **Test cases**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| UC-ID | Name | Pre-condition | Test Data | Expected Result |
| 1 | Login Test | User has an account | Email: testuser@gmail.com, Password: password | Login successful, redirected to dashboard |
| 2 | Add Shift Test | User is logged in as an admin | Shift Start: 02/12/2023 9:00 AM, Shift End: 02/12/2023 5:00 PM, Employee: John Doe | Shift added successfully, confirmation message displayed |
| 3 | Request Refill Test | User is logged in as a worker | Stock Name: Hammer, Quantity: 10 | Request submitted successfully, confirmation message displayed |
| 4 | Update Employee Information Test | User is logged in as an admin | Employee Name: John Doe, New Address: 123 Main Street, New Phone: 123-456-7890 | Employee information updated successfully, confirmation message displayed |
| 5 | Delete Employee Test | User is logged in as an admin | Employee Name: Jane Doe | Employee deleted successfully, confirmation message displayed |

**"Add Employee" use case:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| UC-ID | Name | Pre-condition | Test Data | Expected Result |
| 1 | Add Employee | A manager is logged in | Employee Name: John Doe, Email: john.doe@mediabazaar.com, Phone: +1 123 456 7890, Address: 123 Main St, Eindhoven, Role: Salesperson | Employee information is added successfully to the database and the employee can now be assigned shifts and tasks |
| 2 | Add Employee | A manager is logged in | Employee Name: Jane Doe, Email: jane.doe@mediabazaar.com, Phone: +1 123 456 7890, Address: 123 Main St, Eindhoven, Role: Manager | Employee information is added successfully to the database and the employee can now be assigned shifts and tasks |
| 3 | Add Employee | A manager is logged in | Employee Name: , Email: john.doe@mediabazaar.com, Phone: +1 123 456 7890, Address: 123 Main St, Eindhoven, Role: Salesperson | Error message is displayed indicating that the employee name is required |
| 4 | Add Employee | A manager is logged in | Employee Name: John Doe, Email: john.doe@mediabazaar, Phone: +1 123 456 7890, Address: 123 Main St, Eindhoven, Role: Salesperson | Error message is displayed indicating that the email address is invalid |

**"Assign Shift" use case:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC-ID | Name | Pre-condition | Test Data | Expected Result |
| 1 | Assign Shift | A manager is logged in and there are employees with assigned roles | Employee: John Doe,  Shift: Monday, 10am-2pm | Shift is successfully assigned to John Doe and appears in the employee's schedule |
| 2 | Assign Shift | A manager is logged in and there are employees with assigned roles | Employee: Jane Doe,  Shift: Tuesday, 2pm-6pm | Shift is successfully assigned to Jane Doe and appears in the employee's schedule |
| 3 | Assign Shift | A manager is logged in and there are no employees with assigned roles | Employee: John Doe,  Shift: Monday, 10am-2pm | Error message is displayed indicating that there are no employees available to assign a shift to |
| 4 | Assign Shift | A manager is logged in and there are employees with assigned roles | Employee: John Doe, Shift: Monday, 10am-2pm, Monday, 2pm-6pm | Error message is displayed indicating that the employee is already assigned to a shift during that time |