

Test Plan

# Introduction

This document aims to further deepen the developers’ understanding of their product through the help of testers with no prior knowledge of the application. This allows the creators as much as the client to understand the overall accessibility of the created application before deployment.

Test cases are of great importance in showing whether the application provides an approachable GUI as well as in the discovery of potential bugs before the release of the app.

# Test cases per use case

## 

## UC-01: Log in the Application

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-01 | Log in with correct credentials | On the “Log in” screen | Username: jrdn  Password: 123  Role of Account: Employee Manager | App switches over to the main screen, presenting all the options the account has (only the buttons “Manage Employees”, “Manage Departments” and “Inventory” are available). |
| TC-02 | Log in with incorrect credentials | On the “Log in” screen | Username: asdf  Password: asdf  ^values not present in the database (any random values should suffice) | “Wrong username or password” message is displayed. |

## UC-02: Log out the Application

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-03 | Log Out | On the “Home” screen | -none- | App switches to the “Log in” screen awaiting a new log in |

## UC-03: Employee managers see the details of employees.

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-04 | Access the list of employees as Employee manager | On the “Home” screen  Logged in as an Employee Manager | Username: jrdn  Password: 123 | User navigates to the “Manage Employees” page and the system displays all the Employees. |
| TC-05 | Access the list of employees as a Department Manager/Depot Manager | On the “Home” screen  Logged in as Department Manager | Username: tudor  Password: 123  Department: Electronics | User navigates to the “Manage Employees” page and the system displays all the Employees who belong to the Department Manager’s department (Electronics). |
| TC-06 | Access the list of employees as a Worker/Employee | On the “Home” screen  Logged in as Warehouse Worker/Department Employee | Username: xcatora  Password: 123 | User clicks the disabled “Manage Employees” button. The app takes no further action. |

## UC-04: Employee managers adds an employee to the system

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-07 | Add an Employee to the system | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | Data is added accordingly and the app displays a “Successfully added new employee” message |
| TC-08 | Add an Employee with missing data to the system | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | Necessary fields are left empty by the user and the add button is clicked. App displays “Column ‘column’ cannot be empty” |

## UC-05: Employee managers removes an employee from the system

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-09 | Remove an Employee from the system | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays “Successfully removed employee” and the employee is removed from the list |
| TC-10 | Try to remove an employee without selecting one | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays “No employee selected”. |

## UC-06: Employee managers edits the details of an employee.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-11 | Edit the details of an employee | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays “Data Changed” window. Data is refreshed. |
| TC-12 | Edit the details of an employee with wrong or nonexistent values | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays “Wrong data”. |

## UC-07: Employee manager sees all departments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-13 | User accesses “Manage Departments” screen | Logged in as “Employee manager” | Username: jrdn  Password: 123 | “Manage departments” screen is loaded. Department’s list is filled. |
| TC-14 | User tries to access “Manage Departments” while not logged as “Employee manager” | Logged in as any other user |  | Button is disabled. “Manage departments” screen can’t be loaded. |

## UC-08: Employee managers adds a department to the system

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-15 | User adds a new department | Logged in as “Employee manager”  On the “Manage Departments” screen | Username: jrdn  Password: 123 | Department is added, success message is displayed, department list is refreshed |

## UC-09: Employee managers removes a department from the system

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-16 | User removes a department | Logged in as “Employee manager”  On the “Manage Departments” screen | Username: jrdn  Password: 123 | User confirms removal, success message is displayed and department list is refreshed |

## UC-10: Employee managers edits the details of a department.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-17 | User edits a department | Logged in as “Employee manager”  On the “Manage Departments” screen | Username: jrdn  Password: 123 | Department list is refreshed. |

## UC-11: Employee managers assign shifts to personnel

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-18 | User adds a shift to an employee | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays success message. The assigned shifts text box is refreshed |
| TC-19 | User adds a morning or afternoon shift to a student employee | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays error. |

## UC-12: Employee managers deletes work shift to personnel

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-20 | User removes an employee’s shift | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | App displays success message and assigned shift text box is refreshed or app displays “no workday to delete” if there are no shifts for the employee on that day. |

## UC-13: Employee managers sees work shifts of all employees

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-21 | User marks an employee as missing | On the “Manage Employees” screen  Logged in as “Employee manager” | Username: jrdn  Password: 123 | User navigates to a day with a schedule, marks an employee as missing. App displays success message and employee’s attendance is updated. |

## UC-14: Department manager or Depot manager see the details of employees in their department.

- See Use Case UC-3 –

## UC-15: Department manager or Depot manager sees work shifts of employees in their department

-See Use Case UC-13-

Test data:

Username: tudor Password: 123 (Department Manger)

Username: kiril Password: 123 (Depot Manager)

## UC-16: Department manager or Depot manager marks an employee as missing

-See Use Case UC-13-

Test data:

Username: tudor Password: 123 (Department Manger)

Username: kiril Password: 123 (Depot Manager)

## UC-17: Department manager or Depot manager marks an employee as attended

-See Use Case UC-13-

Test data:

Username: tudor Password: 123 (Department Manger)

Username: kiril Password: 123 (Depot Manager)

## UC-18: Department employee, Department manager, Warehouse worker, Depot manager, or cashier see the inventory

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-22 | User accesses the “Inventory screen” | Logged in  On the “Home” screen | Username: jrdn  Password: 123  Or any other account | Inventory screen is loaded, inventory items are displayed |

## UC-19: Depot manager adds new item to inventory

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-23 | User adds a new item to the inventory | Logged in as “Depot manager” | Username: kiril  Password: 123 | Data for a new item is inserted and added. App displays success message and refreshes the list |

## UC-20: Depot manager removes item from inventory

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-24 | User removes an item from the inventory | Logged in as “Depot manager” | Username: kiril  Password: 123 | User confirms deletion, Success message is displayed and list is refreshed |

## UC-21: Depot manager accepts restock request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-25 | User sends a restock request and accepts or denies it | Logged in as “Depot manager” | Username: kiril  Password: 123 | User successfully navigates to the inventory screen, sends a restock request amount, then navigates to restock request page and accepts or denies said request. App displays success message after confirmation |

## UC-22: Cashier sells an item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-26 | User creates a basket and sells items | Logged in as “Cashier”  On “Sell screen” | Username: mike  Password: 123 | User adds items to the shopping cart then sells. Items are sold and stock is updated |