Test Plan

Objective

Verify that the MediaBazaar app meets the functional and non-functional requirements and provides a satisfactory user experience.

Scope

The test plan covers the following features of the app:

- Adding, editing, deleting and viewing employees

- Setting schedules for employees

- Adding, editing, deleting and viewing departments

- Adding, editing, deleting and viewing inventory items

Test Cases

Employee Management

- Viewing employees:

  - Precondition: The app is launched and an admin is logged in; the main menu is displayed.

  - Steps:

    - Click on the Employees button on the top of the screen.

  - Expected Result: A data grid view displaying all the employees and their respective information should be displayed.

- Adding an employee:

  - Precondition: The app is launched, and an admin is logged in; the main menu is displayed.

  - Steps:

    - Click on the Employees button on the top of the screen.

    - Click on the Create button on the bottom-left corner of the screen.

    - Enter valid data into the fields of the form that appears.

    - Click on Save to add the employee to the app.

  - Expected Result: The app should display a confirmation message that says "User created" and show the new employee on the main screen with its respective data.

- Remove an employee:

  - Precondition: The app is launched and an admin is logged in; the main menu is displayed.

  - Steps:

- Click on the Employees button on the top of the screen.

- Select the desired employee.

- Click on the Delete button on the bottom of the screen.

- A pop up window with the message "Are you sure you want to delete this user" will pop up.

- Select "Yes".

- Expected result:

- The message "User deleted successfully" should appear.

- The page will refresh, displaying the updated employee list.

- Edit an employee:

- Precondition: The app is launched and an admin is logged in; the main menu is displayed.

- Steps:

- Click on the Employees button on the top of the screen.

- Select the desired employee.

- Click on the Edit button on the bottom of the screen.

- The user creation window will appear, with certain fields locked to editing.

- After modifying the data, click on the Save button.

- Expected result:

- The message "User updated successfully" should appear.

- The page will refresh, displaying the updated employee list.

Schedule management

- View Calendar:

- Precondition: The app is launched and the main menu is displayed.

- Steps:

- Click on the Calendar button on the top of the screen.

- Expected result: A window displaying the Calendar will appear.
- Adding a shift:

  - Precondition: The app is launched and the main menu is displayed.
  - Steps:

    - Click on the Calendar button on the top of the screen.
    - Double-click on the desired shift slot.
    - Another window will appear displaying the selected date and the available employees.
    - Select the employees needed for the shift, then click on the arrow to move them into the "Scheduled Employee" box
    - Click the Save button
  - Expected result: The message "Shift saved" should be displayed, and the Calendar page should be updated with the corresponding information.
- Edit a shift:

  - Precondition: The app is launched and the main menu is displayed.
  - Steps:

    - Click on the Calendar button on the top of the screen.
    - Double-click on the desired shift slot.
    - Another window will appear displaying the selected date and the available employees.
    - Select the employees needed for the shift one by one, then click on the arrow to move them into the "Scheduled Employee" box or back into the "Available Employees" box
    - Click the Save button
  - Expected result: The message "Shift saved" should be displayed, and the Calendar page should be updated with the corresponding information.

Inventory Management

- Show inventory:

    - Precondition: The app is launched and the main menu is displayed.

    - Steps:

        - Click on the Inventory button on the top of the screen.

        - Click on the Show All button.

    - Expected result: The page will display the information.

- Adding a product:

    - Precondition: The app is launched and the main menu is displayed.

    - Steps:

        - Click on the Inventory button on the top of the screen.

        - Click on the Create button on the bottom of the screen.

        - Another window will appear displaying the Creation page for items.

        - Fill in the required fields.

        - Click the Create button.

    - Expected result: The message "Product created" should be displayed, and the Inventory page should be updated with the corresponding information.

- Edit inventory:

    - Precondition: The app is launched and the main menu is displayed.

    - Steps:

        - Click on the Inventory button on the top of the screen.

        - Click on the Edit button on the bottom of the screen.

        - Another window will appear

        - Fill in the required fields.

        - Click the Save button.

    - Expected result: The message "Product edited" should be displayed, and the Inventory page should be updated with the corresponding information.

- Remove a product:

  - Precondition: The app is launched and the main menu is displayed.

  - Steps:

    - Click on the Inventory button on the top of the screen.

    - Select the desired item.

    - Click on the Delete button on the bottom of the screen.

    - A pop up window with the message "Are you sure you want to delete this item" will pop up.

    - Select "Yes".

  - Expected result:

    - The message "Item deleted successfully" should appear.

    - The page will refresh, displaying the updated product list.

Department management

- Show departments:

  - Precondition: The app is launched and the main menu is displayed.

  - Steps:

    - Click on the Department button on the top of the screen.

    - Click on the Show All button.

  - Expected result: The page will display the information.

- Adding a department:

  - Precondition: The app is launched and the main menu is displayed.

  - Steps:

    - Click on the Department button on the top of the screen.

    - Click on the Create button on the bottom of the screen.

    - Another window will appear displaying the Creation page for items.

- Fill in the required fields.

- Click the Create button.

- Expected result: The message "Department created" should be displayed, and the Department page should be updated with the corresponding information.

- Edit department:

  - Precondition: The app is launched and the main menu is displayed.

  - Steps:

    - Click on the Department button on the top of the screen.

    - Click on the Edit button on the bottom of the screen.

    - Another window will appear

    - Fill in the required fields.

    - Click the Save button.

  - Expected result: The message "Department edited" should be displayed, and the Inventory page should be updated with the corresponding information.

- Remove a department:

  - Precondition: The app is launched and the main menu is displayed.

  - Steps:

    - Click on the Department button on the top of the screen.

    - Select the desired department.

    - Click on the Delete button on the bottom of the screen.

    - A pop up window with the message "Are you sure you want to delete this department?" will pop up.

    - Select "Yes".

  - Expected result:

    - The message "Department deleted successfully" should appear.

    - The page will refresh, displaying the updated department list.

Test Environment

Operating System: Windows 10
Browser: Google Chrome
Screen Resolution: 1920 x 108

Test Plan Execution

The test plan will be executed as follows:

1. The execution of test cases and the recording of results will be done with the aid of a test management tool.

2. The test results will be reviewed by the development team.

3. The development team will be responsible for addressing any defects that are logged in a defect tracking program.

4. After all bugs have been resolved, regression testing will be conducted to ensure that the fixes did not introduce new issues.

5. When all test cases have been successfully passed, the application will be deemed ready for release.

Conclusion

The comprehensive test plan for the MediaBazaar application aims to guarantee that it satisfies the prescribed requirements by thoroughly testing it. By performing the test plan, the development team can detect and fix any issues present in the application, resulting in the application functioning as intended and providing an excellent user experience.