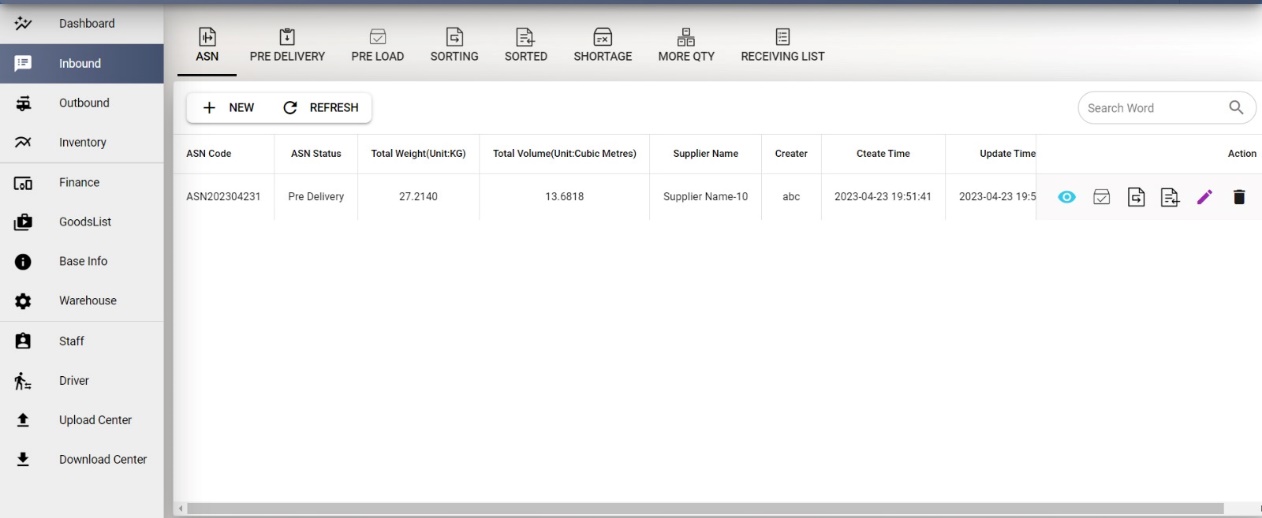
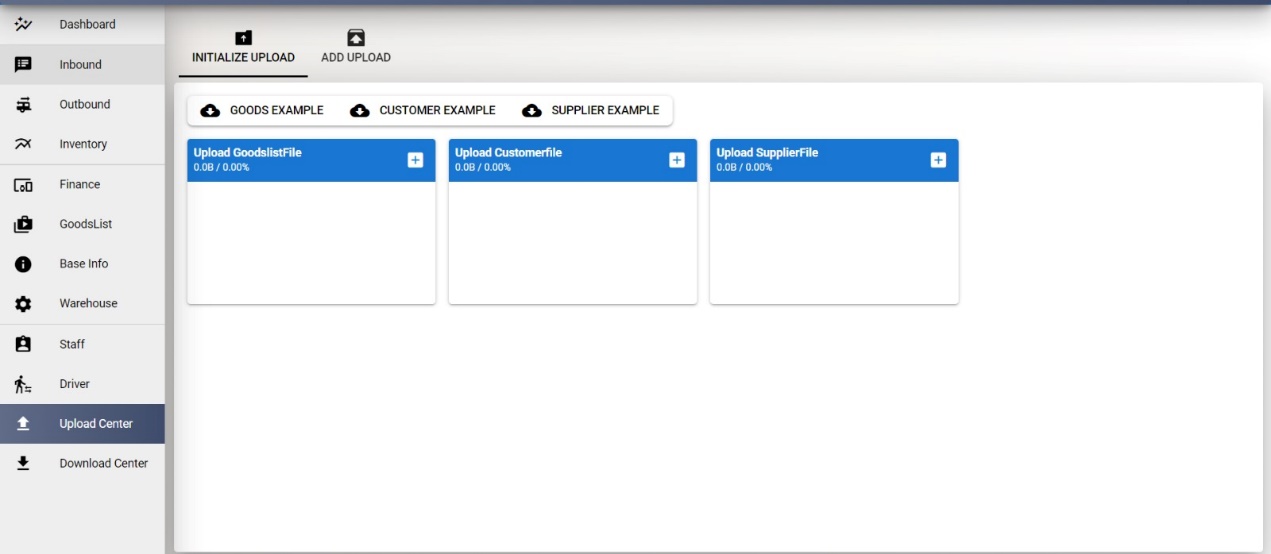
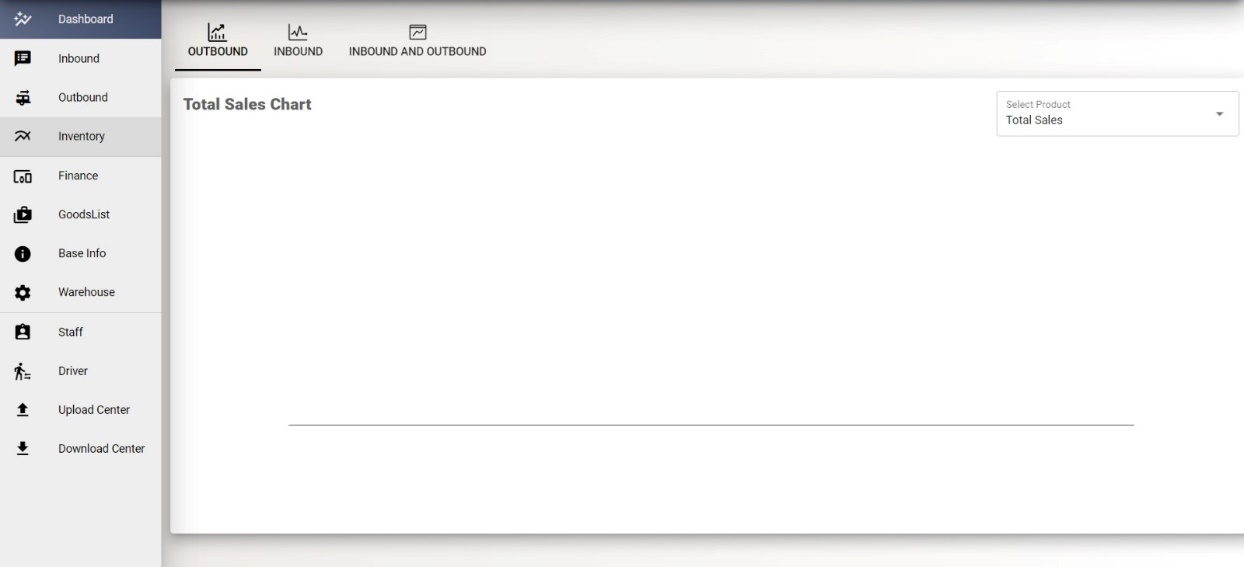
**Experiment no. 6**

**Aim:** Development, Implementation and testing of phase 1 of the project.

**Tools:** MongoDB, VS Code, Nodejs

**Implementation:**

**Test Case - 1: Frontend Checking**

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| --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Frontend | | **Test Case ID** | | Frontend -1A | |
| **Test Case Description** | Frontend | | **Test Priority** | | High | |
| Test Execution Steps: | | | | | | |
| **Sr No** | **Action** | **Inputs** | **Expected Output** | **Actual Output** | **Test Browser** | **Test Result** |
| 1 | On Signup page - Clicking on admin login button | None | Redirect to admin login page | Redirected to admin login page | Chrome | Pass |
| 2 | On Signup page - Clicking on user/supplier button | None | Redirect to supplier login page | Redirected to supplier login page | Chrome | Pass |
| 3 | Clicking on Registration  button | None | Redirect to Registration page for supplier | Redirected to Registration page for supplier | Chrome | Pass |
| 4 | Clicking the submit button on registration page | Entering respective details of users or suppliers in the form | Accept data if all the validations are | Data accepted and stored in the database and redirected to sign in page | Chrome | Pass |
| 5 | Clicking the sign in button after being redirected | Entering user name, email and password in the form | Redirect to Supplier or Admin account whichever is selected. | Message send to the community | Chrome | Pass |
| Admin | | | | | | |
| **Sr No** | **Action** | **Inputs** | **Expected Output** | **Actual Output** | **Test Browser** | **Test Result** |
| 1 | On clicking supplier list in navigation | None | Redirect or display the list of the suppliers in database | Redirected to suppliers list page | Chrome | Pass |
| 2 | On clicking the Available inventory | None | Display the products entered by the suppliers | Products added by the suppliers are displayed | Chrome | Pass |
| 3 | On clicking the remove supplier | None | Remove the selected supplier from the list | The credentials of the supplier are deleted from the database | Chrome | Pass |

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| Supplier | | | | | | |
| **Sr No** | **Action** | **Inputs** | **Expected Output** | **Actual Output** | **Test Browser** | **Test Result** |
| 1 | On clicking the Add Product in the navbar | None | Redirect to the add product page | Redirected to the Add Product page | Chrome | Pass |
| 2 | On clicking the Dashboard in the navigation | None | Display the statistics such as revenue, total products, etc. | Dashboard containing charts and data to summarize the statistics is displayed | Chrome | Pass |
| 3 | On clicking the logout option in the navigation | None | Logout as a supplier and redirect to the signup/home page | Redirected to the signup/home page | Chrome | Pass |

**Result and Conclusion:** From this experiment we understood the implementation and performed the test cases for frontend.

**Learning Outcomes:** The student should have the ability to:

LO1: Develop and implement the project

LO2: Perform the testcases.

**Course Outcomes**: Upon completion of the course students will be able to Perform the test cases of phase 1.

**Conclusion**: In this experiment we have tested the front-end part of the warehouse management system. The test cases and their results are shown and the phase 1 of the project is successfully implemented.

For Faculty Use

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| --- | --- | --- | --- | --- |
| **Correction Parameters** | **Formative Assessment [40%]** | **Timely completion of Practical [ 40%]** | **Attendance / Learning Attitude [20%]** |  |
| **Marks Obtained** |  |  |  |

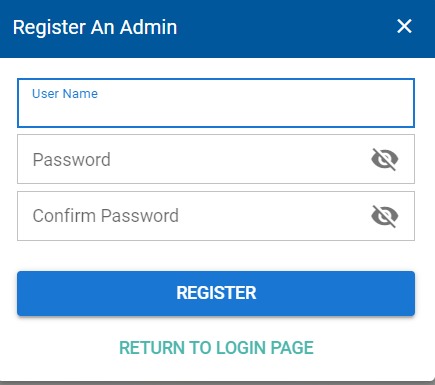
**Experiment no. 7**

**Aim:** Development, Implementation and testing of phase 2 of the project.

**Tools:** MongoDB, VS Code, Nodejs

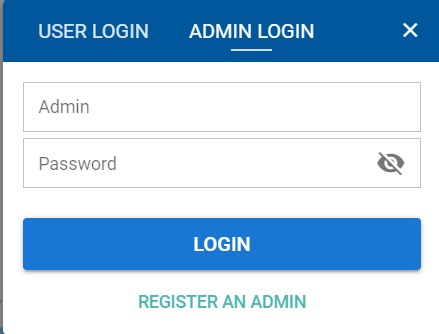
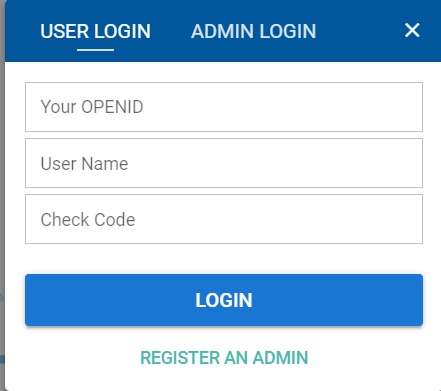
**Implementation:**

**2A – User Registration**

****

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | New User | | | **Test Case ID** | | | User – 1A | |
| **Test Case Description** | | Checking For Registration | | | **Test Priority** | | | High | |
| Test Execution Steps: | | | | | | | | | |
| **Sr No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | | **Test Result** |
| 1 | Uploading profile image | | An image in the form of .jpg or .png | Image is accepted | | Image accepted | Chrome | | Pass |
| 2 | Entering email and email should end with @gmail.com | | Email id:  abc@gmail.com | Accept email | | Email verified and accepted | Chrome | | Pass |
| 3 | Entering the supplier username of size 8 characters | | 8 characters user name | Accept username | | Accepted username | Chrome | | Pass |
| 4 | Entering company name | | Company name | Valid company name | | Company name accepted | Chrome | | Pass |
| 5 | Entering Phone no. and it must be 10-digit of number | | Phone: XXXXXXXXXXX | Valid Phone no. | | Valid Phone no. | Chrome | | Pass |
| 6 | Entering type of product that is supplied | | Product type: | Accept the product type | | Product type accepted | Chrome | | Pass |

**2B – User Login**

** **

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Login | | | **Test Case ID** | | | Login-1A | |
| **Test Case Description** | | Login – Positive test case | | | **Test Priority** | | | High | |
| **Pre-Requisite** | | A valid user account | | | | | | | |
| **Sr No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | | **Test Result** |
| 1 | Entering correct Email, username & Password and hit login button | | Email id: [test@xyz.com](mailto:test@xyz.com)  Username:  xxxxxxxx  Password: \*\*\*\*\*\* | Login success  And redirect to voting page | | Successfully Logged in and redirected to dashboard page | Chrome | | Pass |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Login | | | **Test Case ID** | | Login-1B | |
| **Test Case Description** | | Login – Negative test case | | | **Test Priority** | | High | |
| **Pre-Requisite** | | NA | | | **Post-Requisite** | | NA | |
| Test Execution Steps: | | | | | | | | |
| **Sr No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | **Test Result** |
| 2 | Entering invalid Email, invalid username or invalid password and hit login button | | Email id: invalid@xyz.com  Password: \*\*\*\*\*\* | Error!! Invalid  Credentials, Please Login with correct email and password | | Invalid Credentials, Please Login with correct email and password | Chrome | Fail |

**2C – User logout**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Logout | | | **Test Case ID** | | | Logout-1A | |
| **Test Case Description** | | Logout – Positive test case | | | **Test Priority** | | | High | |
| **Pre-Requisite** | | A valid user account | | | | | | | |
| **Sr No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | | **Test Result** |
| 1 | hitting Logout button | | None | Session destroyed and logout successfully | | Session destroyed and logout successfully | Chrome | | Pass |

**Result and Conclusion:** From this experiment we understood the implementation and performed the test cases for User.

**Learning Outcomes:** The student should have the ability to

LO1: Develop and implement the project

LO2: Perform the testcases.

**Course Outcomes**: Upon completion of the course students will be able to Perform the test cases of phase 2.

**Conclusion:** In this experiment we have tested the login and logout components of the warehouse management system. Test cases and their results are shown and the phase 2 of the project is successfully implemented.

For Faculty Use

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| --- | --- | --- | --- | --- |
| **Correction Parameters** | **Formative Assessment [40%]** | **Timely completion of Practical [ 40%]** | **Attendance / Learning Attitude [20%]** |  |
| **Marks Obtained** |  |  |  |

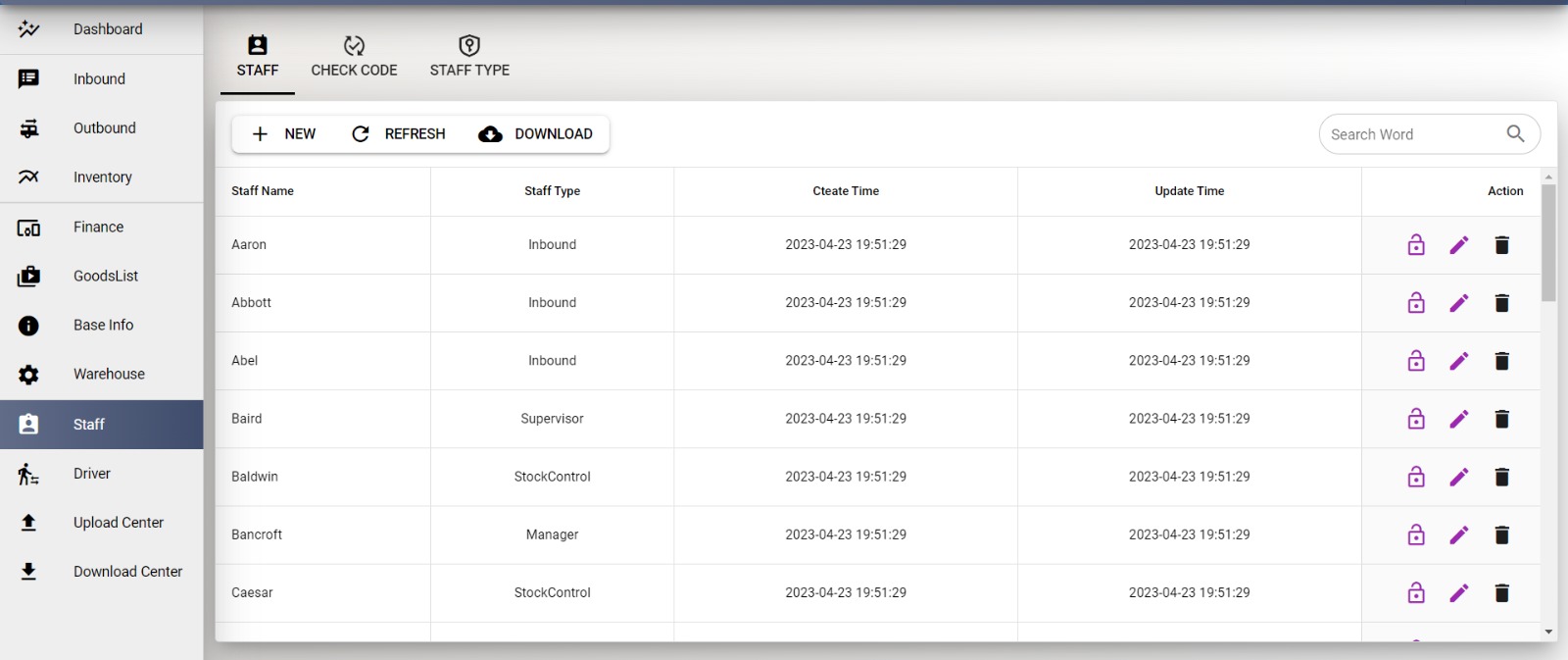
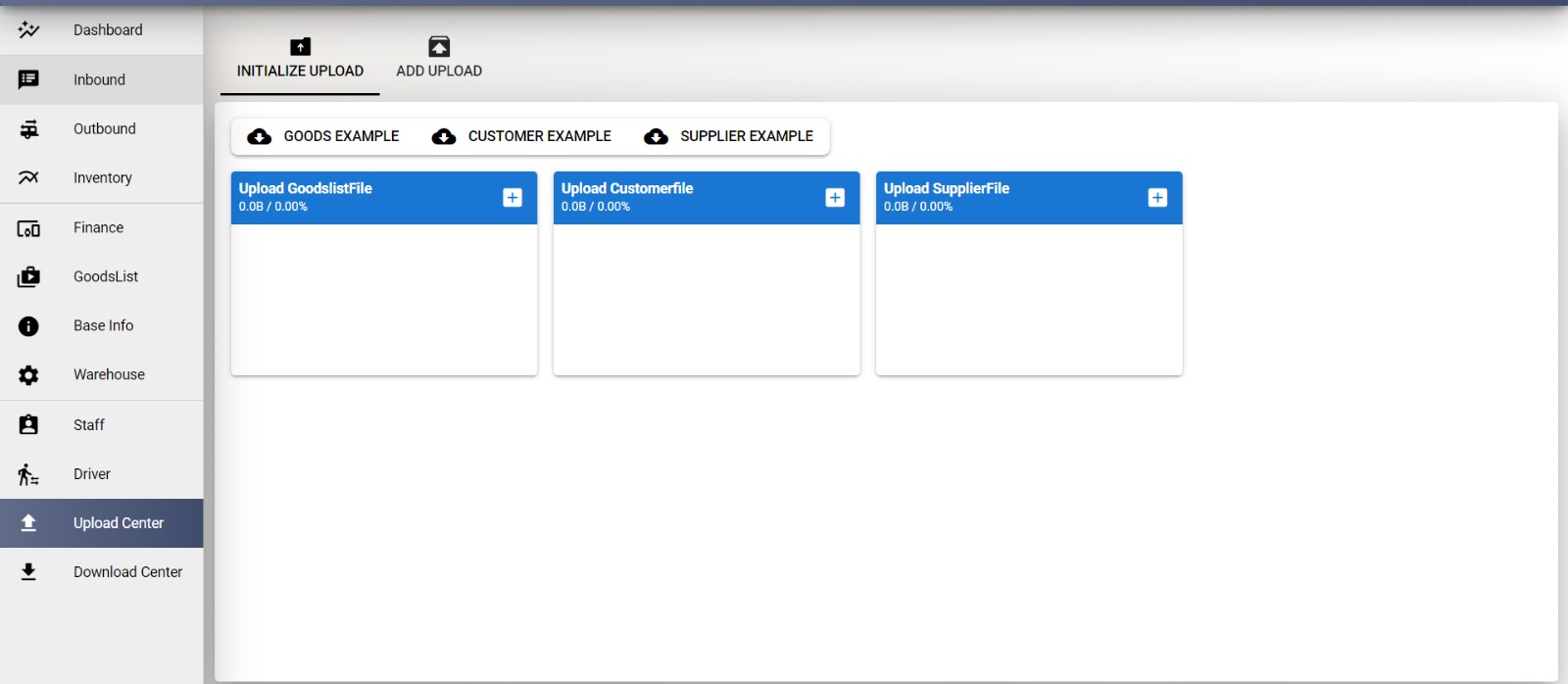
**Experiment no. 8**

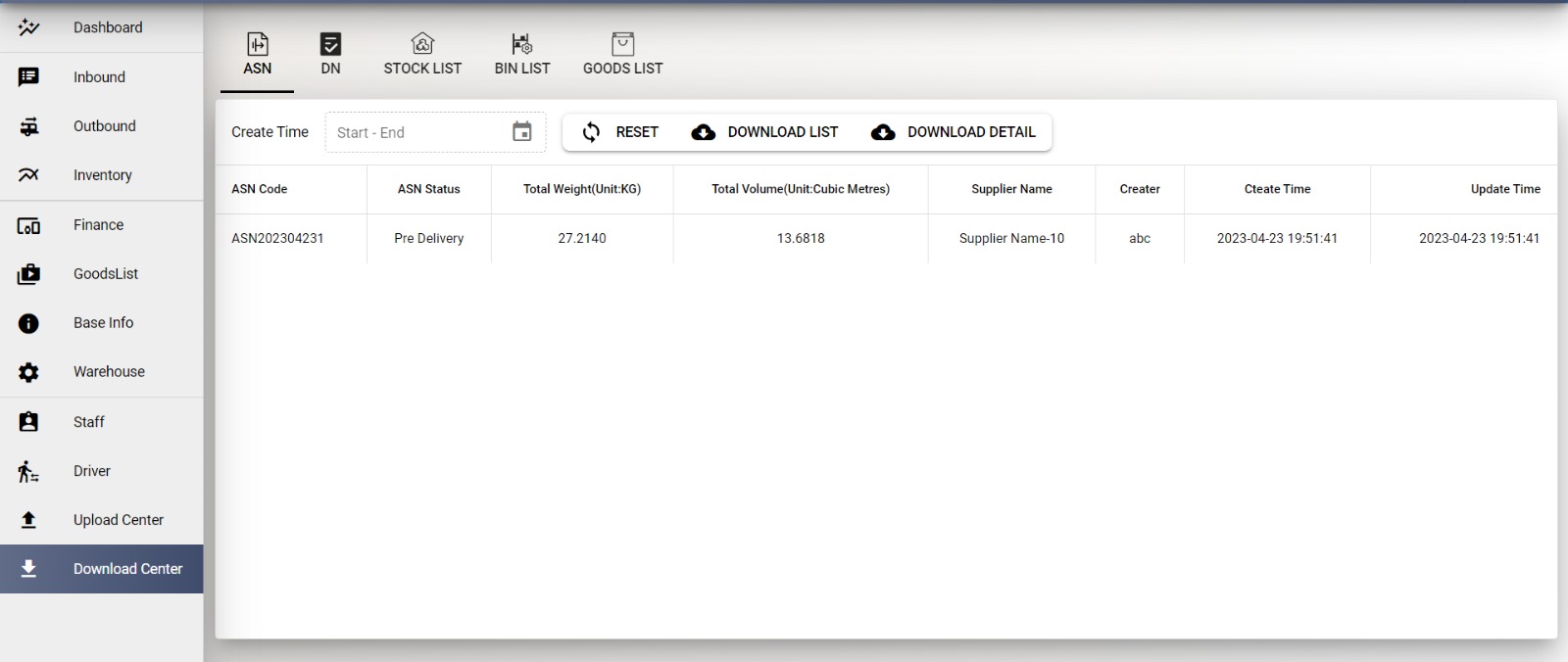
**Aim:** Development, Implementation and testing of phase 3 of the project.

**Tools:** MongoDB, VS Code, Nodejs

**Implementation:**

**Test Case 3 – Admin checking**





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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Admin | | | **Test Case ID** | | | Admin -1A | |
| **Test Case Description** | | Admin – Positive test case | | | **Test Priority** | | | High | |
| **Sr No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | | **Test Result** |
| 1 | Hitting suppliers list in the navigation | | None | List of suppliers | | A list of 10 suppliers and a show more button | Chrome | | Pass |
| 2 | Clicking the show more button | | None | List of remaining suppliers | | List of all the suppliers is displayed | Chrome | | Pass |
| 3 | Removing a supplier by hitting on button | | Clicking on a button at the end of supplier list section | Remove supplier from the supplier list and database | | Supplier removed from the displayed data and database | Chrome,  MongoDB | | Pass |
| 4 | Viewing the dashboard | | Clicking on the Dashboard option in navbar | Statistics of the supplier and product | | Statistics of the supplier and the product is shown | Chrome | | Pass |
| 5 | Clicking on the Products section | | None | Displaying all the products available | | All the products displayed on the screen | Chrome | | Pass |
| 6 | Searching product type in the search bar | | Product type:  xxxxxxx | Displaying products of the selected type | | Products of the type entered in the search bar is displayed | Chrome | | Pass |

**Result and Conclusion:** From this experiment we understood the implementation and performed the test cases for Admin.

**Learning Outcomes:** The student should have the ability to

LO1: Develop and implement the project

LO2: Perform the testcases.

**Course Outcomes**: Upon completion of the course students will be able to Perform the test cases of phase 3.

**Conclusion:** In this experiment we have tested the functionalities of the admin user in warehouse management system. Test cases and their results are shown and the phase 3 of the project is successfully implemented.

For Faculty Use

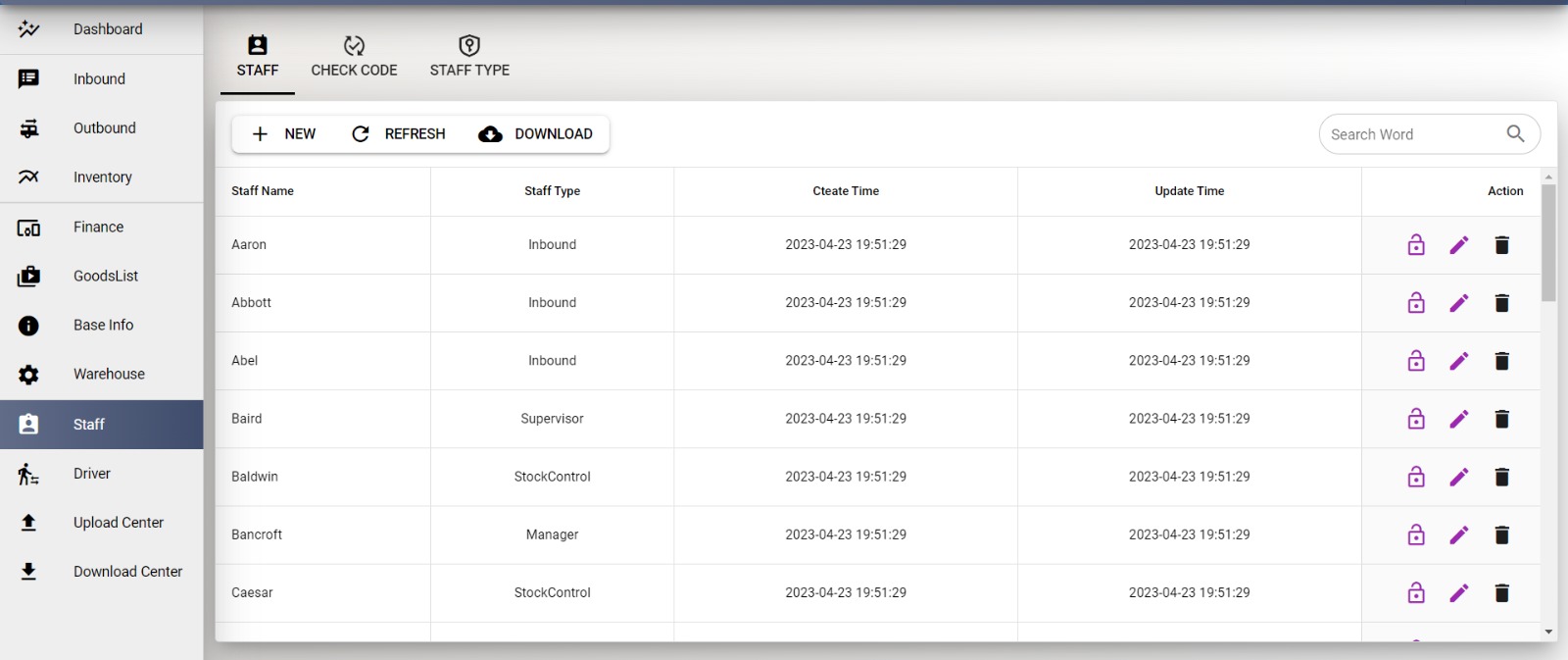
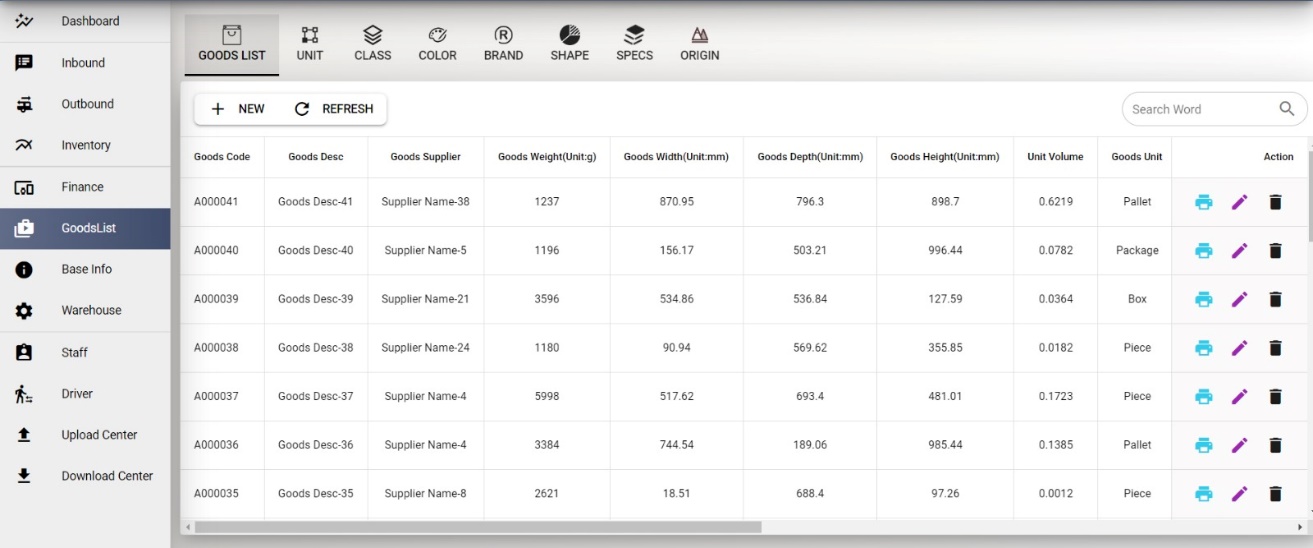
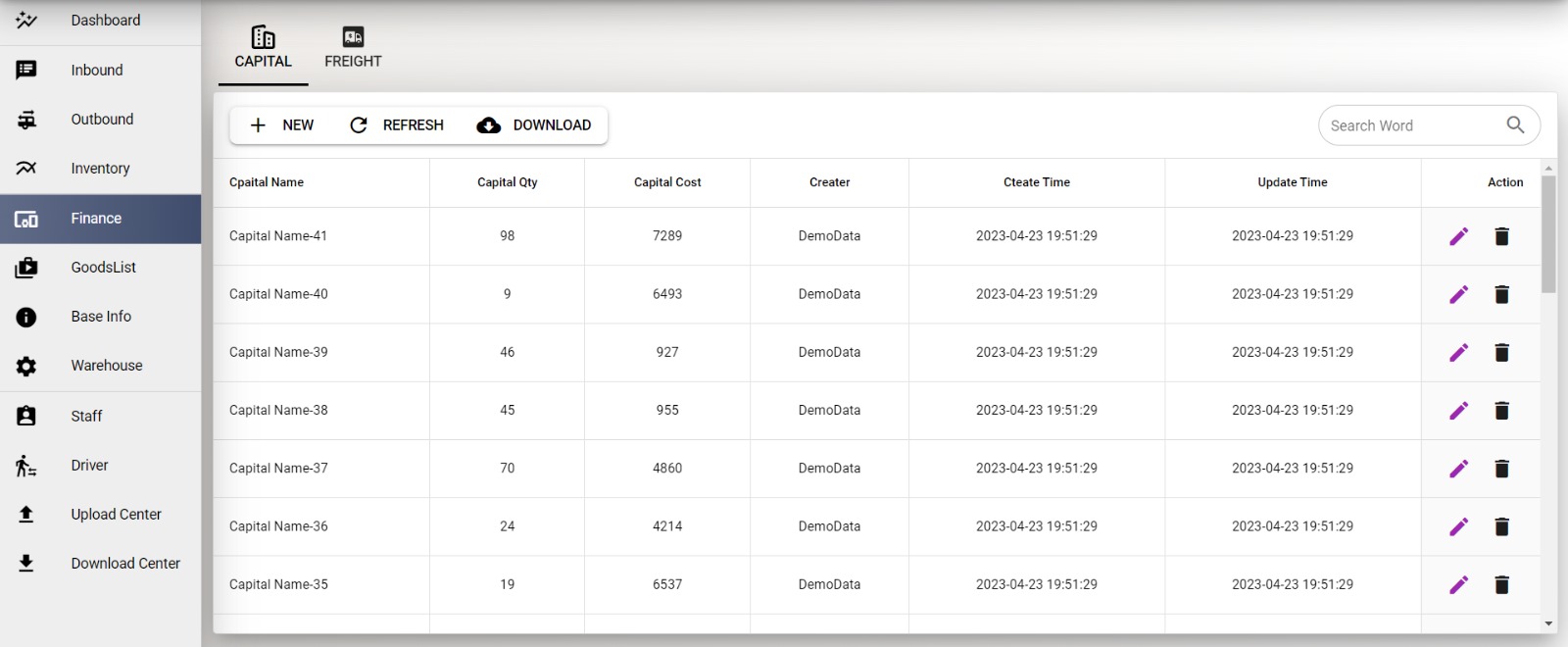
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correction Parameters** | **Formative Assessment [40%]** | **Timely completion of Practical [ 40%]** | **Attendance / Learning Attitude [20%]** |  |
| **Marks Obtained** |  |  |  |

**Experiment no. 9**

**Aim:** Development, Implementation and testing of phase 3 of the project.

**Tools:** MongoDB, VS Code, Nodejs

**Implementation:**

**Test Case 4 – Database checking**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Database | | | **Test Case ID** | | | Database -1A | |
| **Test Case Description** | | Database – Positive test case | | | **Test Priority** | | | High | |
| **Sr No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | | **Test Result** |
| 1 | Creating the supplier list with the company information | | Supplier name, company-name, email, phone number, company-address | A collection of suppliers is stored in the database | | A collection of suppliers is present in the database | Chrome | | Pass |
| 2 | Creating the distributors list with the type of product they sell | | Distributor name, distributor company, email, phone number, company-address | A collection of distributors is stored in the database | | A collection of distributors is stored in the database | Chrome | | Pass |
| 3 | Creating the admin  list | | Staff name, company\_id, post,  Email, phone | A list of admins is stored in mongoDB database | | A complete list of admins is present in database | Chrome | | Pass |
| 4 | Storing the data of product | | Product\_id, product-category, product-name, price, product-quantity | Product data is stored in the database | | Information of product is present in the database | Chrome | | Pass |

**Result and Conclusion:** From this experiment we understood the implementation and performed the test cases for Database.

**Learning Outcomes:** The student should have the ability to

LO1: Develop and implement the project

LO2: Perform the testcases.

**Course Outcomes**: Upon completion of the course students will be able to Perform the test cases of phase 1.

**Conclusion:** from this experiment we have the ability to perform the test case of phase 4.

For Faculty Use

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correction Parameters** | **Formative Assessment [40%]** | **Timely completion of Practical [ 40%]** | **Attendance / Learning Attitude [20%]** |  |
| **Marks Obtained** |  |  |  |