

American International University-Bangladesh (AIUB)  
Department of Computer Science  
Faculty of Science &Technology (FST)  
Summer 2022-2023

Section: C  
Software Quality and Testing

E-Shopping Management System

A Report submitted By

|  |  |  |
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Under the supervision of

**MD MOMAN UL HAQUE KHAN**

Software Test Plan

For

E-Shopping BD Management System

Version 1.0 approved

Prepared by

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<24-08-2023>

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Revision | Date | Updated by | Update Comments |
| 0.1 | 2 | K M Nafis Fuad | First Draft |
| 0.2 | 2007.04.19 | Kalise Vincent Rozario | Second Draft |
| 0.3 |  |  |  |

# TEST PLAN IDENTIFIER: RS-MTP01.3

# REFERENCES

* <https://www.e-shoppingbd.com>
* Software Engineering Course slides
* Software Quality and Testing Course slides
* Selenium Testing

# INTRODUCTION

## Background to the Problem

Nowadays, in general, all clothing companies are willing to reach more customers by creating their own websites. In Bangladesh, due to the lack of opportunities, many artisans in these areas struggle to make ends meet. Like other companies.

E-shopping bd is an independent company, was founded to solve this problem by providing a platform for rural artisans to showcase their skills and sell their wares in the urban market. In addition to promoting local crafts.

## The root causes of problems with an ecommerce website can vary widely and include factors such as poor website design, technical issues, inadequate marketing, support inadequate customers, poor service, competition, and economic or industry trends. It's important to identify the root cause of any problems in a clothing site like E-shopping bd, as they can affect a site's performance, reputation, and revenue.

## Solution to the Problem

* The activities of the customers and users are provided by our system. with the use of this system admin may handle things like customers information, order list, registrations, payment, address. we are making sure that customers data is secure. These are some solutions that are addressed:
  1. Optimize website performance: E-commerce websites need to be fast, user-friendly, and easily navigable to ensure that customers have a positive experience
  2. Ensure website security: Customers need to feel secure when making purchases online.
  3. Utilize marketing strategies: Businesses can utilize various marketing strategies, such as email marketing, social media marketing, and paid advertising, to increase website traffic and sales.
  4. Provide excellent customer service: Providing excellent customer service can help build customer loyalty and encourage repeat purchases.

Optimizing website performance and ensuring website security are essential for creating a positive user experience and building trust with customers. Utilizing marketing strategies and providing excellent customer service can help increase website traffic and sales, which aligns with the business objective of increasing revenue. And utilizing analytics tools can provide valuable insights into customer behavior and help businesses make data-driven decisions to improve website performance and meet business objectives.

* Our suggested web-based software’s primary function is to facilitate online shopping for customers by offering a convenient and user-friendly e-commerce platform for E-shopping bd's products. The website's main objective is to increase sales, expand the customer base, and improve the brand image ofE-shopping bd System.
* e-shoppingbd.com's main function is to provide customers with an easy and secure way to browse, select, and purchase E-shopping bd's products online, with a wide range of products available, secure payment options, and home delivery services.
* Existing studies presented in the problem area. What are the existing software solutions   
   are available to solve the aforementioned problem?

# REQUEIREMNT SPECIFICATION

## System Features

1. **Software feature**

Functional requirement

1.1 The user login into the software with their username and password.

1.2 If the login successful the main my-account page in this software will be displayed.

1.3 If the user forgets the username or password they can be reset password using their valid email address.

Priority level: High

Precondition: User have valid username and password.

Cross- references: None

**2. Admin**

Functional Requirements

   2.1 Monitoring user information by maintaining accurate database of all ID.

   2.3 Admin will able to see the payment status. If paid by any online platform

   2.4 Admin can assign new user without registrations like manager, Moderators, customer

**3. Account**

    Functional Requirements

   3.1 Payment can be complete by 2-way Cash on delivery and online payment

   3,2 The Payment slip can be gotten after place order and will be save into the user account

   3.3 All information will be showing the user account

  Priority level: High

  Precondition: Online Payment system must be pay using user ID.

**4 Search**

   Functional Requirements

   4.1 User can search any product what he expecting

   4.2 User can also filtering the amount

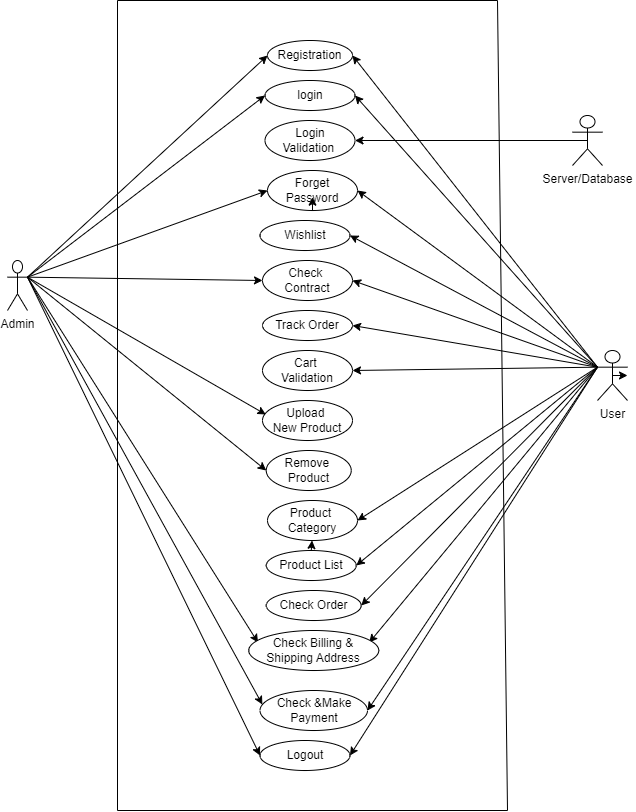
 Priority level: Medium

 Precondition: None

## System Quality Attributes

* Numerous attributes can be used to describe quality. If a product is straightforward to use and includes the essential features, it is deemed to be of high quality. While Quality Assurance is intended to prevent flaws, Quality Control Activities are intended to find them in products and services. Preventing the display of flaws is the goal of assurance activities or attributes. Then, as shown, the following can be used to ensure the best quality for all of the company’s items in the statement.
* **Reliability:** Check the product’s dependability by determining whether it is strong enough to endure any circumstance. Additionally, the outcomes must consistently be accurate. How effectively a project functions in diverse working environments and conditions determines how reliable a product will be.
* **Maintainability:** It should be easy to maintain the product’s many versions. A current system’s code should be easy to add for development purposes and upgrade for new features and technologies as they become available. It should be affordable and easy to maintain. The system is easy to maintain, and making software modifications or fixing bugs is easy.
* **Usability:** The usability of this can be evaluated. The website should be easy to use. It ought to be easy to learn as well. The navigation needs to be simple. Usability can be used to evaluate this. It ought to be easy to learn as well. The navigation needs to be simple. In terms of input preparation, system operation, and output interpretation, the system must be easy to use. Make sure that the user interface standards or procedures utilized by our other regularly used systems are uniform. For novice or infrequent users, the system is straightforward to learn.
* **Portability:** Concerns about costs associated with porting, technical difficulties encountered while porting, and behavioral problems encountered during porting can all be measured.
* **Efficiency:** A key component of system quality and is determined by how long it takes a system to complete a given activity. The system should, for instance, utilize its CPU power, disk space, and memory to the fullest extent possible. The user’s performance will suffer and the system will be regarded inefficient if it uses up all of the resources. If a system is inefficient, it cannot be used in real-time applications.
* **Testability:** The system should be easy to test and spot errors in. If necessary, it ought to be easy to divide it into various components for testing.

## System Interface



## Project Requirements

* 1) The source code must be in java language.
* 2) For software databases, we shall use an Oracle database server, but other databases are also acceptable.
* 3) For testing, we shall use Selenium Automation.
* 4) The software size is maximum 1GB.

**Budgeting**

Per developer salary per month = 50,000 Taka Developer Salary in 15 months

Total salary = 50,000 × 15 × 8 = **6,000,000 Taka**

QA Engineer salary per month = 30,000 Taka

QA Salary in 15 months

Total salary = 30,000 × 15 × 2 = **900,000 Taka**

Project manager salary per month = 70,000

Project manager salary in 15 months

Total salary = 70,000 × 15 = **1,050,000 Taka**

Requirement analysis:

Time Needed: 1 month 25 working days = 200 working hours Total requirement analysis expense = 250 × 200 = 5**0, 000 Taka**

Transportation cost: **15, 000 Taka** (Approximate)

Hardware expense: 50**0, 000 Taka** (Approximate)

Rent expenses:

Total in 15 months **= 450,000 Taka** [Per month = 30, 000 Taka]

Total utilities in 15 months: **150, 000 Taka** (Approximate) Maintenance (Till 3 months after delivery):

Cost per hour = 1,200 Taka

Total estimated time needed for maintenance = 60 hours

Total estimated maintenance cost = 1,200 × 60 = **72, 000 Taka**

Accountant’s salary:

Per month salary = 20,000 Taka

Total salary = 20, 000 × 15 = **300,000 Taka**

Total expense: **6,000,000** + **900,000** + **1,050,000** + 5**0, 000** + **15,000** + **500,000** + **450,000**+ **150,000** +**72,000**+**300,000** = **4,087,000 Taka**

Profit: 25% of total expense = **4,087,000 × 25%** = **1,021,750 Taka**

**Total budget**: **4,087,000** + **1,021,750** = **5,109,750 Taka**

# FEATURES NOT TO BE TESTED

The following is a list of the areas that will not be specifically addressed. All testing in these areas will be indirect as a result of other testing efforts. For example:

* PC based spreadsheet analysis applications using Reassigned Sales data. Because these applications are completely under the control of the customer and are outside the scope of this project. The necessary data base format information will be provided to the customers to allow them to extract data. Testing of their applications is the responsibility of the application maintainer/developer.
* Each users ID & PASSWORD will not be tested as it’s confidential.
* Any kind of transactions will not be calculated.

# TESTING APPROACH

## Testing Levels

The testing for the SMS project will consist of Unit, System/Integration (combined) and Acceptance test levels. It is hoped that there will be at least one full time independent test person for system/integration testing. However, with the budget constraints and timeline established; most testing will be done by the test manager with the development teams’ participation.

**Unit testing** is a fundamental level of testing in software quality and testing (SQT). It involves testing individual components or units of a software application in isolation to ensure that each unit works as expected. These units can be functions, methods, classes, or even entire modules depending on the level of granularity you choose.

Here's a larger explanation of how unit testing works and how it is typically reported in an SQT project:

**i) Purpose of Unit Testing:**

Unit testing serves several purposes, including:

- Identifying bugs or defects at an early stage of development.

- Ensuring that each unit of code functions as intended before integration.

- Facilitating code refactoring and maintenance by providing a safety net.

- Enhancing code quality and reliability.

**ii) Steps in Unit Testing:**

Unit testing generally involves the following steps:

**a. Test Case Creation:**

A test case is a set of inputs along with the expected outputs. For unit testing, test cases are designed to cover various scenarios that the unit might encounter during its usage.

**b. Test Setup:** Before running a test case, any necessary preconditions or data setups are prepared. This ensures that the unit is in the expected state for testing.

**c. Test Execution:** The unit is tested using the test cases. Inputs are provided, and the unit's output is compared with the expected output. If they match, the test case passes; otherwise, it fails.

**d. Assertions:** Assertions are statements within the test code that define what is expected from the unit. They help in automatically detecting whether a test case has passed or failed.

**e. Test Teardown:** After the test case is executed, any cleanup or restoration of data or resources takes place. This ensures that one test case does not impact another.

**iii) Reporting in SQA:**

When it comes to reporting unit testing in an SQA project, a typical unit testing report includes:

**a. Test Case Details:**

- Test case names, IDs, and descriptions.

- Inputs provided to the unit.

- Expected outputs.

**b. Test Results:**

- Whether each test case passed or failed.

- Any error messages or issues encountered during testing.

**c. Code Coverage:**

- Percentage of code covered by the unit tests.

- Information about which parts of the code were tested and which were not.

**d. Execution Environment:**

- Details about the testing environment, such as the programming language, tools, and frameworks used.

**e. Date and Time:**

- Timestamp of when the tests were executed.

**iv) Benefits of Unit Testing Reporting:**

- Clear Documentation: Unit testing reports document the functionality and expected behavior of individual code units.

- Bug Detection: Failed test cases indicate potential issues in the code that need to be addressed.

- Progress Tracking: The report shows how much of the codebase has been tested and provides insights into the overall project progress.

**v) Automation:**

Unit testing is often automated using testing frameworks and tools. These tools help streamline the testing process, execute test cases, and generate reports automatically.

**Integration testing** is a crucial phase in the software development lifecycle that focuses on testing the interactions between different components or modules of a software system. Its goal is to uncover issues that may arise when these components are integrated and work together. Integration testing ensures that the software's individual parts function correctly as a whole system.

Types of Integration Testing:

Explain the different types of integration testing that are relevant to our project. Common types include:

**1. Big Bang Integration:** All components are integrated at once, and the system is tested as a whole.

**2. Top-Down Integration:** Testing starts from the highest-level modules and gradually integrates lower-level modules.

**3. Bottom-Up Integration:** Testing begins with individual components, which are then integrated to form larger subsystems.

**4. Incremental Integration:** The system is built and tested incrementally, with new components integrated one at a time.

**Test Environment:**

Describe the environment in which integration testing takes place. This includes the hardware, software, networks, and any other necessary components or tools.

**Test Strategy:**

Detail the approach we're using for integration testing. This could involve identifying critical interfaces, defining test scenarios, and determining the order of integration.

**Test Scenarios**:

List a set of representative test scenarios that demonstrate interactions between different components. Each scenario should outline the input data, the expected outcomes, and any specific conditions that need to be met.

**Test Cases:**

For each test scenario, provide a set of test cases that cover various aspects of integration. Test cases should include preconditions, steps to execute, and expected results.

**Data Flow Testing:**

Explain how data flows between components and modules. Highlight any data transformations, validations, or manipulations that occur during integration.

**Boundary Testing:**

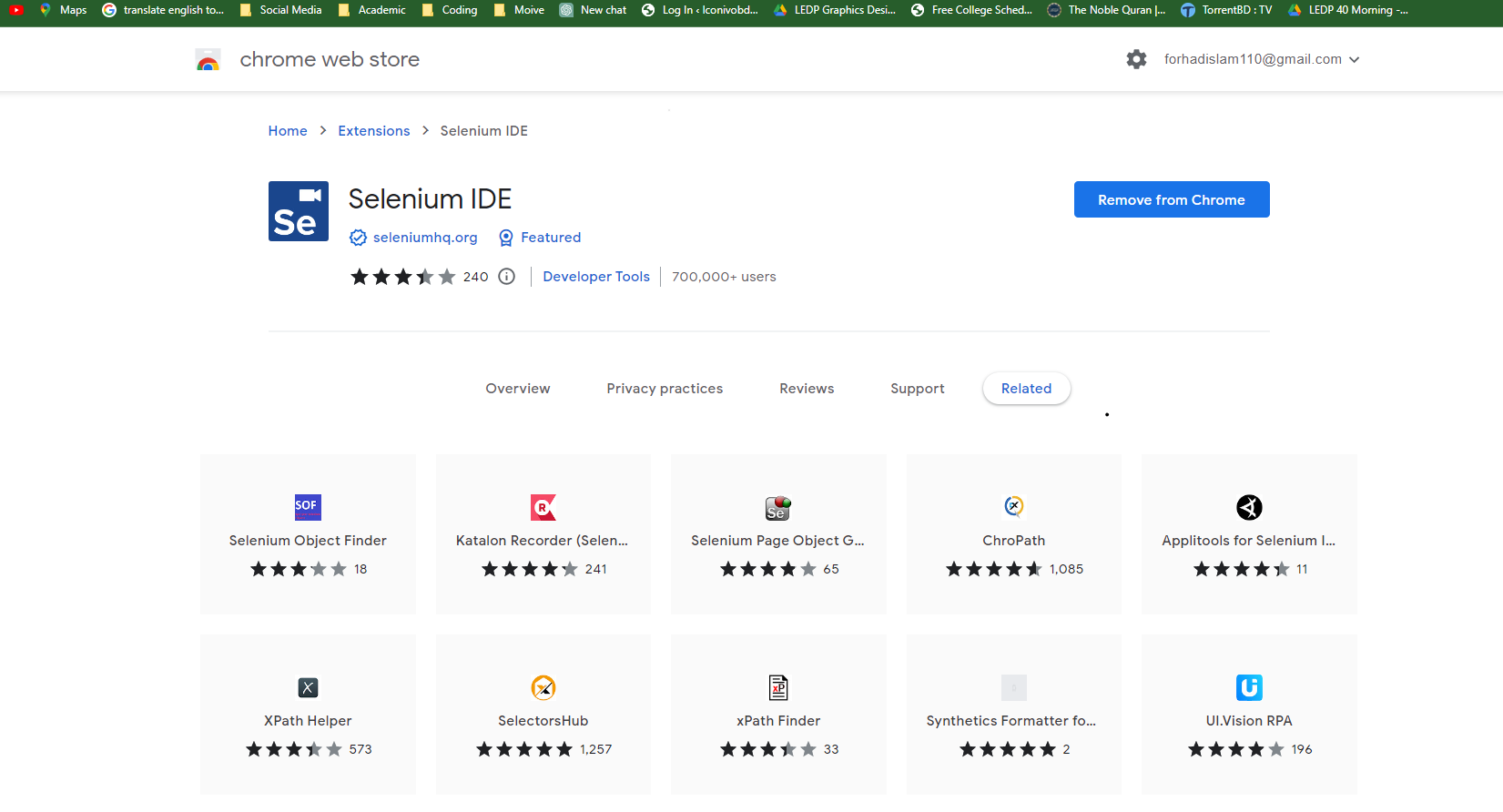
Discuss how integration testing includes testing at the boundaries of different modules' interactions. This helps identify potential issues when components communicate using specific data ranges.

**ACCEPTANCE** Testing will be performed by the actual end users with the assistance of the test manager and development team leader. The acceptance test will be done in parallel with the existing manual ZIP/FAX process for a period of one month after completion of the System/Integration test process.

## Test Tools

The only test tools to be used are the standard AS/400 provided utilities and commands.

* The Program Development Manager (PDM) will be used as the source version configuration management tool in conjunction with the in-house check-in/check-out control utility. The check-in/out utility is part of each developer’s standard AS/400 access menu.
* The initial prototypes for the new screens will be developed using the AS/400 Screen Design Aid (SDA). The initial layout and general content of the screens will be shown to the sales administration staff prior to proceeding with testing and development of the screens.
* The ‘Selenium IDE’ – testing tool has been used to build test cased and test our website. Selenium IDE has been used because it supports automated testing. We will perform manual testing initially, and then we will perform automation testing. The most crucial tool for automation testing is Selenium. Selenium is an open-source, free framework for assessing web applications across a variety of platforms and browsers. Scripts for Selenium tests can be written in a variety of programming languages, including Java, C#, Python, and others.



* Grant Chart (https://www.onlinegantt.com)

## Meeting

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Agenda** |
| 1 | 11.08.2023 | Discuss about Project topic |
| 2 | 13.08.2023 | Requirement Gathering |
| 3 | 16.08.2023 | Select Testing Approaches |
| 5 | 18.08.2023 | Select and apply test cases |
| 6 | 20.08.2023 | User training and documentation |
| 7 | 23.08.2023 | Finalization, Feedback and Next Steps |
| 8 | 26.08.2023 | Correction of the project |

# TEST CASES/TEST ITEMS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: E-shopping bd Management System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_1 | | | Test Designed date: 22/08/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: K M Nafis Fuad | | |
| Module Name: Registration Session | | | Test Execution date: 22/08/2023 | | |
| Test Title: Successful Registration Check | | |  | | |
| Description: Test website’s Registration Page and storing username and password to the database. | | |  | | |
| Precondition (If any): Must land on account page from website homepage successfully. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Click on register 3. Enter E-mail 4. Enter password 5. Click “Register”   button | E-mail: nfsfuad15@gmail.com  Password: 6655779966  Confirm Password:  6655779966 | User should  register successfully  to the website | | As expected | Pass |
| Post Condition: User is registered with database and can be log in later. | | | | | |

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| --- | --- | --- | --- | --- | --- |
| Project Name:  E-shopping BD Management System | | | Test Designed by:  K M Nafis Fuad | | |
| Test Case ID: FR\_2 | | | Test Designed date:  22/08/2023 | | |
| Test Priority (Low, Medium, High):  Heavy | | | Test Executed by: K M Nafis Fuad | | |
| Module Name:  Log In session | | | Test Execution date: 22/08/2023 | | |
| Test Title:  Log in button check | | | | | |
| Description:  Verify login with valid username and password. Will land on user account page. | | | | | |
| Precondition:  User must have valid username & password. Will land on das3 | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to website 2. Enter username 3. Enter password 4. Click “Log in” button | Username:  [nfsfuad15@gmail.com](mailto:nfsfuad15@gmail.com)  Password:  6655779966 | User should be able to access the website | | As expected | Paass |
| Post condition: User is validated with database & successfully login to account. The account session details are logged in the database. | | | | | |

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| --- | --- | --- | --- | --- | --- |
| Project Name:  E-shopping BD Management System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_3 | | | Test Designed date:  22/08/2023 | | |
| Test Priority (Low, Medium, High):  Medium | | | Test Executed by:  K M Nafis Fuad | | |
| Module Name:  Login Feature Session | | | Test Execution date:  22/08/2023 | | |
| Test Title:  Login Forgot Password Feature Checking | | | | | |
| Description:  Checking forgot password option working properly or not | | | | | |
| Precondition:  Must be on the Login page. Username must be registered to database. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Go to login page 3. Click forgot password 4. Enter correct username 5. Click reset password | Username:  nfsfuad15@gmail.com | User should be able to reset password and get login info in email | | As expected | Pass |
| Post condition: User should get login information’s via email | | | | | |

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| --- | --- | --- | --- | --- | --- |
| Project Name: E-shopping BDManagement System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_4 | | | Test Designed date:  21/08/2023 | | |
| Test Priority (Low, Medium, High):  Medium | | | Test Executed by: K M Nafis Fuad | | |
| Module Name:  Registration input field validation 1.0 | | | Test Execution date:  21/08/2023 | | |
| Test Title:  Registration’s E-mail Pattern Validation Checking | | | | | |
| Description:  Testing username field functionality as an e-mail’s pattern validation | | | | | |
| Precondition:  Must land on sign up page. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website’s signup page 2. Enter username 3. Enter password 4. Enter confirm password 5. Click register button | Username:  nafis  Password:  6655779966 | User should able register successfully to the website | | As expected | Pass |
| Post condition:  User can log in anytime using its username. | | | | | |

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| Project Name:   E-shopping BD Management System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_5 | | | Test Designed date:  21/08/2023 | | |
| Test Priority (Low, Medium, High):  High | | | Test Executed by: K M Nafis Fuad | | |
| Module Name:  Login Feature Session | | | Test Execution date:  21/08/2023 | | |
| Test Title:  Login Forgot Password Feature Checking | | | | | |
| Description:  Checking forgot password option working properly or not | | | | | |
| Precondition:  Must be on the Login page. Username must be registered to database. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Go to login page 3. Click forgot password 4. Enter correct username 5. Click reset password | Username:  Nafis or nfsfuad15@gmail.com | User should be able to reset password and get login info in email | | As expected | Pass |
| Post condition:  User should get login information’s via email | | | | | |

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| --- | --- | --- | --- | --- | --- |
| Project Name:   E-shopping BD Management System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_6 | | | Test Designed date:  21/08/2023 | | |
| Test Priority (Low, Medium, High):  Low | | | Test Executed by: K M Nafis Fuad | | |
| Module Name:  Home Tab | | | Test Execution date:  21/08/2023 | | |
| Test Title:   Checking “Home” tab | | | | | |
| Description:  Checking if the tab working properly & jumps to Homepage | | | | | |
| Precondition:  Must be on the Login page. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Go to login page 3. Click menu button 4. Click “Home” tab | Username:  Nfsfuad15@gmail.com | User should be able to access the site  and explore the page | | As expected | Pass |
| Post condition:  User should able to go from dashboard page to homepage | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_8 | | | Test Designed date: 20/08/2023 | | |
| Test Priority (Low, Medium, High):  High | | | Test Executed by: K M Nafis Fuad | | |
| Module Name:  Logout Session | | | Test Execution date:  20/08/2023 | | |
| Test Title:   Logout Functionality | | | | | |
| Description: Checking the logout functionality working | | | | | |
| Precondition:  Must be on the Logged in | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Go to login page 3. Enter id & password 4. Shows homepage 5. Click menu button 6. Click log-out button | Username:  iftee  Password:  6655779966 | User should be able logout successfully | | As expected | Pass |
| Post condition:  Goes back to the Log in page. | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: K M Nafis Fuad | | |
| Test Case ID: FR\_7 | | | Test Designed date: 20/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: K M Nafis Fuad | | |
| Module Name: Wishlist Check validations | | | Test Execution date: 20/08/2023 | | |
| Test Title: Wishlist button check field | | | | | |
| Description: Verify that the product is added to the wishlist when the wishlist button is clicked | | | | | |
| Precondition: The user is logged into the websites | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to web site 2. Scroll down and see all of the product 3. If any of them you like then click the favorite options 4. Click the wishlist button | User login credentials, | After clicking the Contract button, the user should be able to download the contract file. | | Result as Expected | Pass |
| Post condition: The user can add or remove items from their wishlist without any issues | | | | | |

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| --- | --- | --- | --- | --- | --- |
| Project Name: E-shopping BD Management System | | | Test Designed by: Kabbir Hasan | | |
| Test Case ID: FR\_9 | | | Test Designed date: 19/8/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kabbir Hasan | | |
| Module Name: Contract Check validations | | | Test Execution date: 19/8/2023 | | |
| Test Title: Contract button check field | | | | | |
| Description: To Verify that the contract button allows the user to download the correct contract file. | | | | | |
| Precondition: The contact file is available | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to web site 2. Click the contract button 3. Wait for the download to complete 4. Verify that the download file can be opened and read | Contract file available for download | After clicking the contract button the user should be able to download the contract information | | Result as Expected | Pass |
| Post condition: The download file can be opened and read without any issues | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kabbir Hasan | | |
| Test Case ID: FR\_10 | | | Test Designed date: 19/8/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: Kabbir Hasan | | |
| Module Name: Track order validations | | | Test Execution date: 19/8/2023 | | |
| Test Title: Tracking an order | | | | | |
| Description: To verify that the track order options page allows the user to track their order correctly. | | | | | |
| Precondition: logged into the website, place an order, order id is available, billing email is  available | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the track order options page 2. Enter the order Id 3. Enter the billing email 4. Click the track button | Order details  Tracking ID  Billig mail address | User should be able to enter their id and billing email,  After click track button the tracking information should be displayed | | Result as Expected | Fail |
| Post condition: The user can tract multiple order without any issues | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kabbir Hasan | | |
| Test Case ID: FR\_11 | | | Test Designed date: 19/8/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: Kabbir Hasan | | |
| Module Name: Cart validations | | | Test Execution date: 19/8/2023 | | |
| Test Title: Adding a product to the cart | | | | | |
| Description: To verify that the add to cart options page allows the user to add products to their cart  correctly. | | | | | |
| Precondition: User logged into the website, select an product | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the shop page 2. Select a product 3. Select product color, size and quantity 4. Click add to cart button | Product details, size, color and quantity | User should be able to select the quantity, color, size. User should be able to multiple items to their cart without any issues.  After clicking the cart button all item should be added to the user’s cart. | | Result as Expected | Pass |
| Post condition: The user cart has been updated to include the added item. User can view the added item on their cart | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kabbir Hasan | | |
| Test Case ID: FR\_12 | | | Test Designed date: 19/8/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: Kabbir Hasan | | |
| Module Name: Admin Add Product | | | Test Execution date: 19/8/2023 | | |
| Test Title: Upload a new Product | | | | | |
| Description: To verify that an admin can successfully add a new product to the website | | | | | |
| Precondition: The Admin is logged into the admin panel and has the necessary  permissions to add a new product. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the admin panel 2. Click to the Add new product 3. Enter the required product information’s 4. Set Product category 5. Set the product stock level 6. Set product images, price, size 7. Click Publish button | Product name, descriptions  Product price, images | Admin should be able to add a new product without getting an error.  All product information should be save into the database correctly | | Result as Expected | Pass |
| Post condition: The admin can be updating the product information if it necessary | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kabbir Hasan | | |
| Test Case ID: FR\_13 | | | Test Designed date: 19/8/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: Kabbir Hasan | | |
| Module Name: Admin Remove Product | | | Test Execution date: 19/8/2023 | | |
| Test Title: Remove any Product | | | | | |
| Description: To verify that an admin can successfully Remove the product from the website | | | | | |
| Precondition: The Admin is logged into the admin panel and has the necessary  permissions to remove a product. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the admin panel 2. Click to the Remove product 3. Select the product 4. Click the trash button 5. Confirm that the admin want to remove 6. Verify that the product is no longer display | Product name, ID | Admin should be able to remove product without getting an error. | | Result as Expected | Pass |
| Post condition: The admin can be updating the product information if it necessary | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Musfiquzzaman Rimon | | |
| Test Case ID: FR\_14 | | | Test Designed date: 20/08/2023 | | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: Golam Kader | | |
| Module Name: Shop button | | | Test Execution date: 20/08/2023 | | |
| Test Title: Shop button check | | | | | |
| Description: Verify that shows the list of product category | | | | | |
| Precondition: User must have valid account and data connection. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button | Shop button information | Show the list of product category | | As Expected | Pass |
| Post condition: User see the list of product category | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Musfiquzzaman Rimon | | |
| Test Case ID: FR\_15 | | | Test Designed date: 20/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Musfiquzzaman Rimon | | |
| Module Name: Shirt Button | | | Test Execution date: 20/08/2023 | | |
| Test Title: Shirt Button check | | | | | |
| Description: Verify that shows the list of Shirt | | | | | |
| Precondition: User must have login to the website and click shop then select shirt option. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “Shirt” option | Shirt button information | Show the list of Shirt | | As Expected | Pass |
| Post condition: User see the list of Shirt | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Musfiquzzaman Rimon | | |
| Test Case ID: FR\_16 | | | Test Designed date: 20/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Musfiquzzaman Rimon | | |
| Module Name: Panjabi Button | | | Test Execution date: 20/08/2023 | | |
| Test Title: Panjabi Button check | | | | | |
| Description: Verify that shows the list of Panjabi | | | | | |
| Precondition: User must have login to the website and click shop then select panjabi option. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “Panjabi” option | Panjabi button information | Show the list of Panjabi | | As Expected | Pass |
| Post condition: User see the list of panjabi | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Musfiquzzaman Rimon | | |
| Test Case ID: FR\_17 | | | Test Designed date: 20/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Musfiquzzaman Rimon | | |
| Module Name: Full sleeve Button | | | Test Execution date: 20/08/2023 | | |
| Test Title: Full sleeve Button check | | | | | |
| Description: Verify that shows the list of Full sleeve | | | | | |
| Precondition: User must have login to the website and click shop then select Full sleeve option. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “Full sleeve” option | Full sleeve button information | Show the list of Full sleeve | | As Expected | Pass |
| Post condition: User see the list of Full sleeve | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | | |
| Test Case ID: FR\_18 | | | Test Designed date: 21/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | | |
| Module Name: T-Shirt Button | | | Test Execution date: 21/08/2023 | | |
| Test Title: T-Shirt Button check | | | | | |
| Description: Verify that shows the list of T-Shirt | | | | | |
| Precondition: User must have login to the website and click shop then select T-Shirt option. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “T-Shirt” option | T-Shirt button information | Show the list of T-Shirt | | As Expected | Pass |
| Post condition: User see the list of T-Shirt | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | | |
| Test Case ID: FR\_19 | | | Test Designed date: 21/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | | |
| Module Name: Hoodie Button | | | Test Execution date: 21/08/2023 | | |
| Test Title: Hoodie Button check | | | | | |
| Description: Verify that shows the list of Hoodie | | | | | |
| Precondition: User must have login to the website and click shop then select Hoodie option. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “Hoodie” option | Hoodie button information | Show the list of Hoodie | | As Expected | Pass |
| Post condition: User see the list of Hoodie | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | | |
| Test Case ID: FR\_20 | | | Test Designed date: 21/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | | |
| Module Name: Hoodie Button | | | Test Execution date: 21/08/2023 | | |
| Test Title: Hoodie Button check | | | | | |
| Description: Verify that shows the list of Hoodie | | | | | |
| Precondition: User must have login to the website and click shop then select Hoodie option. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “Hoodie” option | Hoodie button information | Show the list of Hoodie | | As Expected | Pass |
| Post condition: User see the list of Hoodie | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | |
| Test Case ID: FR\_21 | | | Test Designed date: 21/08/2023 | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | |
| Module Name: Jogger’s Button | | | Test Execution date: 21/08/2023 | |
| Test Title: Jogger’s Button check | | | | |
| Description: Verify that shows the list of Jogger’s | | | | |
| Precondition: User must have login to the website and click shop then select Jogger’s option. | | | | |
| Test Steps | Test Data | Expected Results | |
| 1. Go to the website 2. Login 3. Click on Shop button 4. Select “Jogger’s” option | Jogger’s button information | Show the list of Jogger’s | |
| Post condition: User see the list of Jogger’s | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | |
| Test Case ID: FR\_22 | | | Test Designed date: 21/08/2023 | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | |
| Module Name: Check Order Validation | | | Test Execution date: 21/08/2023 | |
| Test Title: Order button check field | | | | |
| Description: Verify that shows the list of ordered products | | | | |
| Precondition: The user logged into the website and place order | | | | |
| Test Steps | Test Data | Expected Results | |
| 1. Go to the website 2. Login 3. Click on Order button | Ordered product information | Show the list of ordered products | |
| Post condition: User see the list of ordered products | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | | |
| Test Case ID: FR\_23 | | | Test Designed date: 21/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | | |
| Module Name: Address Button | | | Test Execution date: 21/08/2023 | | |
| Test Title: Address button check field | | | | | |
| Description: Verify that shows the Billing address and shipping address | | | | | |
| Precondition: The user logged into the website and click address button | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Address button | Billing address and shipping address information | Show the Billing address and shipping address | | As Expected, | Pass |
| Post condition: User see the billing address and shipping address | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | | |
| Test Case ID: FR\_24 | | | Test Designed date: 21/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | | |
| Module Name: Account Details validation check | | | Test Execution date: 21/08/2023 | | |
| Test Title: Account Details button check field | | | | | |
| Description: Verify that shows the details about user | | | | | |
| Precondition: The user logged into the website and click address button | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Account Details button | Account information | Show the details about user account | | As Expected, | Pass |
| Post condition: User see the billing address and shipping address | | | | | |

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| Project Name: E-shopping BD Management System | | | Test Designed by: Kalise Rozario | | |
| Test Case ID: FR\_25 | | | Test Designed date: 21/08/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Kalise Rozario | | |
| Module Name: Logout Session | | | Test Execution date: 21/08/2023 | | |
| Test Title: Verify Logout | | | | | |
| Description: Test Logout session | | | | | |
| Precondition: The user logged into the website and click Logout button | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Login 3. Click on Logout button | Logout | Logout from website | | As Expected, | Pass |
| Post condition: User is validated with database and successfully logout | | | | | |

# TEM PASS/FAIL CRITERIA

The test process will be completed once the initial set of distributors have successfully sent in reassigned sales data for a period of one month and the new EDI data balances with the old ZIP/FAX data received in parallel. When the sales administration staff is satisfied that the data is correct the initial set of distributors will be set to active and all parallel stopped for those accounts.

# TEST DELIVERABLES

* Acceptance test plan
* System test plan
* Unit test plans
* Screen prototypes
* Defect/Incident reports and summaries
* Test logs and turnover reports

# STAFFING AND TRAINING NEEDS

It is preferred that there will be at least one (1) full time tester assigned to the project for the system/integration and acceptance testing phases of the project. This will require assignment of a person part time at the beginning of the project to participate in reviews etc... and approximately four months into the project they would be assigned full time. If a separate test person is not available the project manager/test manager will assume this role. In order to provide complete and proper testing the following areas need to be addressed in terms of training.

* The developers and tester(s) will need to be trained on the basic operations of the EDI interface. Prior to final acceptance of the project the operations staff will also require complete training on the EDI communications process.
* The sales administration staff will require training on the new screens and reports.

# RESPONSIBILITIES

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| --- | --- | --- | --- | --- |
| Role/  Responsibility | TM | PM | Developer | QA Team |
| Requirements Gathering |  | X | X |  |
| Concept Design Reviews |  | X |  |  |
| Detailed Design Reviews |  | X |  |  |
| Development |  |  | X |  |
| Unit Test documentation & execution | X |  | X | X |
| Integration test documentation & execution | X |  |  | X |
| System Test documentation & execution | X |  |  | X |
| Acceptance test documentation & execution | X |  |  | X |
| Test procedures and rules | X | X |  | X |
| Screen & Report prototype reviews |  |  | X |  |
| Change Control and regression testing | X | X | X | X |

# TESTING SCHEDULE

Time has been allocated within the project plan for the following testing activities. The specific dates and times for each activity are defined in the project plan timeline. The persons required for each process are detailed in the project timeline and plan as well. Coordination of the personnel required for each task, test team, development team, management and customer will be handled by the project manager in conjunction with the development and test team leaders. Schedule must be done using any PM tool.

* The plan includes requirements gathering, design and architecture, development, quality assurance and testing, and deployment and launch. The plan is designed to ensure that the project is completed on time and meets all requirements.
* Requirements Gathering (2 weeks)
* Design and Architecture (4 weeks)
* Development (10 weeks)
* Quality Assurance and Testing (4 weeks)
* Deployment and Launch (2 weeks**)**

# PLANNING RISKS AND CONTINGENCIES

* Planning for risks and contingency is essential for producing good project results. It is mostly applied to uncommon situations in project risk management. Supplier issues, If the product supplier goes out of business or can't meet with customer’s needs, it can cause delays and lost sales. To mitigate this risk, have backup suppliers in place and establish strong relationships with them. Consider ordering a small test batch before committing to a large production run to ensure quality and reliability. As a result, it is crucial to follow these rules and act solely in the company’s best interests.

# APROVALS

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| --- | --- |
| Project Sponsor- MD Kabbir Hasan | Approved |
| Development Management- K M Nafis Fuad | Approved |
| EDI Project Manager- Kalise Vincent Rozario | Approved |
| RS Test Manager- K M Nafis Fuad | Approved |
| RS development Team Manager- MD. Musfiquzzaman Rimon | Approved |
| Reassigned Sales- MD Hasan Kabbir | Approved |
| Order Entry EDI Team Manager- Kalise Vincent Rozario | Approved |