

Test report

Eshop



**Mentor**

**Tasniya Ahmed**

**Lecturer (IIT, NSTU)**

**Team Members**

**Md. Saifur Rahman (31)**

**Akash Chandra Debnath(37)**

**Institute of Information Technology**

**Noakhali Science and Technology University**

20-02-2022

**Software Testing Life Cycle (STLC):** It is a testing process which is executed in a sequence, in order to meet the quality goals. It has six phases we described below.

***Phase - 1 : Requirements Analysis***

**Functional Requirements (FR):** A **Functional Requirement** (FR) is a description of the service that the software must offer. It describes a software system or its component.

|  |  |
| --- | --- |
| FR - 01 | Keeping records of products |
| Description | The products which are launched for selling in the system Eshop will be kept details about quality, quantity, brand, price, seller information and location. |
| Priority | High |

|  |  |
| --- | --- |
| FR - 02 | Keeping record of admission of customer and access control |
| Description | There are three types of stakeholders - user, seller and admin. They are not priviledges same, so access components are based on stakholder roles. |
| Priority | High |

|  |  |
| --- | --- |
| FR – 03 | Keeping the daily sell |
| Description | About the daily purchases, payments and products launching information. |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 04 | Keeping the details of product it is delivered or not |
| Description | After approving purchase by admin checking whether the products are delivered by particular agent. |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 05 | Storing the items selected by the customer in the temporary storage |
| Description | Database need for hold cart items which are selected by user for their purchase. |
| Priority | High |

|  |  |
| --- | --- |
| FR - 06 | Storing the feedback given by the customer |
| Description | Customer will be able to express their opinion and any query for any particular product. |
| Priority | Low |

|  |  |
| --- | --- |
| FR - 07 | Registration to the system |
| Description | For purchasing or launch any product user and seller have to register with the system. |
| Priority | High |

|  |  |
| --- | --- |
| FR - 08 | Minimum steps to make purchase |
| Description | User should not go through a long process to order any products and increase user experience. |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 09 | Product attributes |
| Description | Product image, quantity, brand , product details,seller info and stock. |
| Priority | High |

|  |  |
| --- | --- |
| FR - 10 | Mobile friendliness |
| Description | Make sure responsive implementation is professionally executed and user who are using the system with mobile should not seem to use the system complex. |
| Priority | High |

|  |  |
| --- | --- |
| FR - 11 | Unique and recognizable design |
| Description | User should not confused whether they are using Eshop platform or not, so design should be unique. |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 12 | Relevant useful content |
| Description | All module documents and uses should stored in a planned way. |
| Priority | Low |

|  |  |
| --- | --- |
| FR - 13 | Email news letter tools |
| Description | We will use email section for the confirmation and news give to user and also for seller. |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 14 | Shipping and payment systems integration |
| Description | Payment and shipping information have to process peoperly so that user can reliable with the Eshop sytem. |
| Priority | High |

|  |  |
| --- | --- |
| FR - 15 | User ability after order placing |
| Description | User can change the order, cancel the order , track the order and able to apply for return of products within a particular time |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 16 | Guest checkout |
| Description | People who are not yet register to the system can checkout product and can store it in cart. |
| Priority | Medium |

|  |  |
| --- | --- |
| FR - 17 | Search engine optimization |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

**Non-functional (NFR):** Non-functional requirements define system attributes.

|  |  |
| --- | --- |
| NFR - 01 | Security |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 02 | Performance |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 03 | Reliability |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 04 | Scalability |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 05 | Maintainability |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 06 | Portability |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 07 | Extensibility |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

|  |  |
| --- | --- |
| NFR - 08 | Reusability |
| Description | Developer need to optimize search section sothat uer can get relevant products through their searching. They’ll be able to search by category/products name. |
| Priority | High |

**\***Requirements are verified by forward traceability

**Forward Traceability:** Each requirement has a unique name or reference number in all the documents.

**Requirement Traceability Matrix (RTM):** Requirement Traceability Matrix is a document that maps and traces user requirement with test cases.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Project Name: Eshop | | | RTM | Business Area: Education (STQA Lab) | | |
| Project Manager: Akash & Saifur | | | Business Analyst Lead: Saifur | | |
| QA Lead: Akash | | | Implementation Date: 17/02/2022 | | |
| Functional | | | | | | |
| Require-  ments | **Priority** | **Requirement**  **description** | **Test case**  **reference** | **Code module reference** | **Validation** | **Comments** |
| FR-1 | Should have | Keeping the records of products | TC05, TC06 | index.php | Verified | Covered |
| FR-2 | Mandatory | Keeping records of admission of customers and access control | TC03, TC04 | login.php | Verified | Covered |
| FR-3 | Should have | Keeping the daily sell | TC08 | Order-list.php | Verified | Covered |
| FR-4 | Mandatory | Keeping details about the pro-duct it is deliver-ed or not | TC17 | Confirm-order.php | Verified | Covered |
| FR-5 | Mandatory | Storing the items selected by the customer in the temporary storage | TC11, TC14 | view\_cart.php | Verified | Covered |
| FR-6 | Should have | Storing the feedback given by the customer | TC07 | contact.php | Verified | Covered |
| FR-7 | Mandatory | Registration to the system | TC01, TC02 | login.php | Verified | Covered |
| FR-8 | Should have | Minimum steps to make a purchase | TC18, TC19 | index.php, view\_cart.php, shipping.php | Verified | Covered |
| FR-9 | Mandatory | Product Attributes | TC12, TC13 | view-product.php | Verified | Covered |
| FR-10 | Mandatory | Mobile friendliness | TC16 |  | Verified | Covered |
| FR-11 | Should have | Unique, recognizable design |  |  |  | Not Covered |
| FR-12 | Should have | Relevant, useful content | TC09, TC10 |  | Verified | Covered |
| FR-13 | Should have | Email newsletter tools |  |  |  | Not Covered |
| FR-14 | Mandatory | Shipping & pay-ment systems integration | TC15 | shipping.php | Verified | Covered |
| Non-functional | | | | | | |
| NFR-1 | Mandatory | Security | TC20 | login.php | Verified | Covered |
| NFR-2 | Mandatory | Performance | TC21, TC22 |  | Verified | Covered |
| NFR-3 | Mandatory | Reliability | TC23 |  | Verified | Covered |
| NFR-4 | Mandatory | Scalability | TC24 |  | Verified | Covered |
| NFR-5 | Should have | Maintainability | TC25 |  | Verified | Covered |
| NFR-6 | Mandatory | Portability | TC26, TC24 |  | Verified | Covered |
| NFR-7 | Should have | Extensibility | TC25, TC26 |  | Verified | Covered |
| NFR-8 | Should have | Reusability |  |  |  | Not Covered |

***Phase - 2 : Test Planning***

### ****Test Plan:** Template** is a detailed document that describes the test strategy, objectives, schedule, estimation and deliverables, and resources required for testing.

### Testing Strategy: It is the planning of the whole testing process into a well-defined services of steps.

### 

### Test Factors: Test factors are risk factors or issues related to the system under development.

### Test Factors of E-Shop

### User cannot login to the system with invalid credentials.

### User won’t able to see database files or other user’s information.

### User won’t able to modify product item attributes.

### Price of products in cart should calculate accurately.

### User won’t be able to interrupt or access on any part in admin panel.

### System will portable to almost every hardware.

### Test Phase : Requirements gathering, requirements specification, functional design(HLD), internal design (LLD), coding. [SDLC]

### Test Strategy Matrix

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Factors** | **Test Phase** | | | | | |
| **Factor id** | Requirements | Design | Code | Unit test | Integration Test | System Test |
| **I** | User registered to the system? |  | Allow sql query in username and password field? | Prohibit invalid query? |  |  |
| **II** |  | Is system exploits the private files? | Is encryption used for database files? |  |  |  |
| **III** |  | Is prduct item is editable by user? |  | Is user module has connection to products add/edit class? |  | Is only admin able to change attributes? |
| **IV** |  | Is indexing in cart done properly? | Has sum and multiplication method inconsistency? |  |  |  |
| **V** | Is user need to access admin? |  |  |  |  | Is admin module completely partitioned from user module? |
| **VI** | Which os & hardware should support this system? |  |  |  |  | Is the system run on mac/windows/linux or android? |

**Best suited Testing Approach**

* Functional Testing
* Usability Testing
* Security Testing
* Performance Testing
* Database Testing

**Roles and responsibilities**

|  |  |  |
| --- | --- | --- |
| Roles | Responsibilities | Persons |
| Test Manager | Manage the whole project, acquire appropriate re-sources and control team members. | Akash  &  Saifur  ­ |
| Test Analyst | Identify test conditions and features. |
| Software Development Engineer in Test | Develop tools for testing. |
| Software Test Engineer | Test the overall system using appropriate testing approach and instruments |
| Test Architect | Design various suitable testing models |
| SQA team | Check to confirm whether the testing process is meeting specified requirements |
| Developer in Test | Implement the test cases, test program, test suite etc. |

**Identifying the testing techniques and testing types**

|  |  |  |
| --- | --- | --- |
| Testing Techniques | Testing Type | Perform on |
| Dynamic Testing  (Black Box) | Boundary Value Analysis  Equivalence Class Partitioning  Cause-effect Graph | Functional requirements, code |
| Dynamic Testing  (White Box) | Logic Coverage Criteria  Basic Path Testing  Control Flow Graph  Graph Matrix  Connection Matrix | Structure,deign , code |
| Static Testing | Inspection | Whole system without execute code |
| Validation Testing | Unit Testing  Integration Testing  Function Testing  System Testing  Acceptance Testing  Installing Testing | Code Module  Merged code  Functional design  SRS  Conformance to gathered requirements  Adaptability with operating machine |
| Regression Testing | Test Prioritization | Testing requirements |

### Testing tool: No Testing Tool used.

**Test Planning Checklist**

### #1) Homepage

* Is it going to auto scroll? Test result – Yes.
* If yes, at what interval will the image be refreshed? Test result – No auto refresher.
* When the user hovers over it, is it still going to scroll to the next one? Test result – No.
* Can it be hovered on? Test result – Yes.
* Can it be clicked on? Test result – Yes.
* If yes, is it taking to the right page and right deal? Test result – Yes.
* Is it loading along with the rest of the page or loads last in comparison to the other elements on the page? Test result – load along rest of the page.
* Can the rest of the content be viewed? Test result – Yes.
* Does it render the same way in different browsers and different screen resolutions? Test result – Chrome and mozilla rendered properly nad also render in 1080x1024 and also higher.

### #2) Search

* Search based on the Product name, brand name, or something more broadly, the category. Test result – Category and product name.
* Is search Results have relevant? Test result – Yes.
* Different sort options have to be available- based on Brand, Price, and Reviews/ratings etc. Test result – Yes, show properly.
* How many results to display per page? Test result – displays 6 in computer browser and 1 in mobile-phone.
* For multi-page results, are there options to navigate to them? Test result – No.

### #3) Product Details

* Image or images of the product. Test result – Render accurately.
* Price of the product. Test result – Show price below the product.
* Product specifications. Test result – Has no details and stocks.
* Reviews Test result – No review section.
* Check out options Test result – Checkout operate smoothly.
* Delivery options Test result – Home delivery by address.
* Shipping information? Test result – user unable to know.
* In-stock/Out of stock info? Test result – Not exist.
* Multiple color or variations options? Test result – No.

### #4) Shopping Cart

* Add items to the cart and continue shopping. Test result – Works properly.
* If the user adds the same item to the cart while continuing to shop, the item count in the shopping cart should get incremented. Test result – Pass, comply to the same.
* All items and their totals should be displayed in the cart. Test result – Pass.
* Taxes as per location should be applied. Test result – No taxes info.
* A user can add more items to the cart. Test result – Pass.
* Update the contents added to the cart. Test result – Pass, user can edit product number in the cart.
* Remove items from the cart. Test result – Pass.
* Proceed to checkout. Test result – Pass.
* Calculate Shipping costs with different shipping options. Test result – Yes.
* Apply coupons. Test result – No section.
* Don’t check out, close the site, and come back later. The site should retain the items in the cart. Test result – Pass.

### #5) Payments

* Has different payment options? Test result – Bkash, Nagad, Rocket has found.
* Is allowing check out as Guest, simply finish the purchase and provide an option to register at the end? Test result – No, there’re no functi-onality for guest.
* Login to check out? Test result – only for registered user can checkout.
* User sign up. Test result – email, username and with a password.
* If storing customer Credit card or any other financial information, perform security testing around this to make sure it is secure. Test result – Eshop system only use mobile banking.
* If the user is signed up for a long time, make sure the session is timed out or not. Every site has a different threshold. For some, it is 10 minutes. For some, it might be different. Test result – session will stop when user logout to the system.
* Text confirmation with the order number generated. Test result – Not build yet.

### #6) Web Standards Test

* Run html validation check. Test result – Pass.
* Run css validation check Test result – Pass.

### #6) SEO Test

* Structure of URLs. Test result – Correct.
* Unique title for each page and product page. Test result - Pass
* Title tag should include product name and category. Test result – Pass.
* Meta description for each page. Test result – Fail.
* Alt text has been added for all images. Test result – Pass.

.

***Phase - 3: Test Case Development***

**Test case** : A test case is a set of conditions or variables under which a tester will determine whether a system under test satisfies requirements or works correctly.

**Functional Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Test case | Verification | Test Data |
| TC01 | Check customer registration with valid email | Valid | Email: [saif@gmail.com](mailto:saif@gmail.com)  username: saifur pass: saif1234 |
| TC02 | Check customer registration with invalid email | Invalid | Email:hello,username: saifur  Pass: saif1234 |
| TC03 | Check customer login with valid data | Valid | Username = saif99  Password = pass99 |
| TC04 | Check customer login with invalid data | Invalid | Username = saif99  Password = pass99 |
| TC05 | Test to product add to cart button with mini-mum quantity | Valid | quantity= 1 |
| TC06 | Test to product add to cart button with maximum quantity | Valid | quantity= 50 |
| TC07 | Check customer feedback successfully send to the system | Valid |  |
| TC08 | Check daily sell record store in the system | Valid |  |
| TC09 | Check the search using a product name. | Valid | Product name= t-shirt |
| TC10 | Check the search using a category name. | Valid | Category name= shirt |
| TC11 | Check website users can easily add/remove products to/from a shopping cart. | Valid |  |
| TC12 | Check users can add the same product multiple times | Invalid |  |
| TC13 | Check to add the same products in different variations – color, size, etc. | Valid |  |
| TC14 | Check users can add products from different categories to the cart. | Valid |  |
| TC15 | Check Items in the cart are displayed with correct names, images, and prices. | Valid |  |
| TC16 | Check items are clickable, and the links lead to corresponding product pages. | Valid |  |
| TC17 | Check an order price updates when a user adds/removes a new item to/from the cart. | Valid |  |
| TC18 | Test Customers can check out and pay as users with registration. | Valid |  |
| TC19 | Test Customers can check out and pay as guest users without registration. | Invalid |  |

**Non-functional Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Test case | Verification | Test Data |
| TC20 | Check it takes the expected time for a user to log in with the correct credentials. | Valid | Username= saif  Password=1234 |
| TC21 | Check page loading speed is acceptable. | Valid |  |
| TC22 | Check the carousel auto scrolls and the scrolling interval. | Valid |  |
| TC23 | Check an application should be available at different battery conditions, including charging. | Valid |  |
| TC24 | Check a user should be able to log in from different devices simultaneously. | Valid | Username= saif  Password=1234 |
| TC25 | Check the information from different devices should synchronize momentarily. | Valid |  |
| TC26 | Check the application should not cause device heating or battery draining. | Valid |  |

***Phase - 4 : Test Environment Setup***

This phase includes the setup or installation process of software and hardware which is required for testing the application.

**Hardware (Desktop / Laptop)**

* RAM : 512 MB or more
* Hard drive : 1 GB or above
* Processor : 1.80 GHz or above

**Software**

* Operating System : Windows 7 or above / Linux / Mac
* Browser : Chrome / Mozilla / opera / Brave latest versions
* Code editor : Visual Studio Code

We installed OS - window 10 Home, 4GB RAM and 1TB hard-disk, processor - Intel(R) Core(TM) i3-3110M CPU @2.40GHz, chrome browser and Visual studio code as editor.

***Phase - 5 : Test Execution***

In this phase the test cases are executed in the testing environment. While execution of the test cases the QA team may find bugs which will be reported against that test case. This bug is fixed by the developer and is retested by the QA.

**Functional test case execution**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Scenario** | **Test Steps** | **Test Data** | **Expected Results** | **Actual Results** | **Pass/**  **Fail** |
| TC01 | Check Customer Registration with valid Email | 1. Go to site http://localhost/eshop/login.php 2. Click SignUp button 3. Enter valid email and others data 4. Click SignUp | Email: [saif@gmail.com](mailto:saif@gmail.com)  username: saifur  Phone number: 0182637623  Pass: saif1234 | User should Registration into an application | As Expected | Pass |
| TC02 | Check Customer Registration with invalid Email | 1. Go to site http://localhost/eshop/login.php 2. Click SignUp button 3. Enter valid email and others data   Click SignUp | Email: hello…..  username: saifur  Phone number: 0182637623  Pass: saif1234 | User should not Registration into an application | As Expected | Pass |
| TC03 | Check Customer Login with valid Data | 1. Go to site http://localhost/eshop/login.php 2. Enter Username 3. Enter Password   Click Submit | Username = saif99 Password = pass99 | User should Login into an application | As Expected | Pass |
| TC04 | Check Customer Login with invalid Data | 1. Go to site http://localhost/eshop/login.php 2. Enter Username 3. Enter Password   Click Submit | Username = saif99  Password = pass99 | User should not Login into an application | As Expected | Pass |
| TC05 | Test to product add to cart button with minimum quantity | 1. Go to site http://localhost/eshop/login.php 2. Product quantity set at least 1 & Click Add to cart button | quantity= 1 | User should add the product to the cart | As Expected | Pass |
| TC06 | Test to product add to cart button with maximum quantity | 1. Go to site http://localhost/eshop/login.php 2. Product quantity set maximum 50 3. Click Add to cart button | quantity= 50 | User should add the product to the cart | As Expected | Pass |
| TC07 | check customer feedback successfully send to the system | 1. Go to site http://localhost/eshop/login.php |  | User should send feedback | Not Expected | Fail |
| TC08 | Check daily sell record store in the system | 1. Go to site http://localhost/eshop/login.php |  | Admin should see daily sell record in the system | As Expected | Pass |
| TC09 | Check the search using a product name. | 1. Go to site http://localhost/eshop/login.php 2. Enter product name in the search box 3. Click Search | Product name= t-shirt | User should see the product available | Not Expected | Fail |
| TC10 | Check the search using a category name. | 1. Go to site http://localhost/eshop/login.php 2. Enter category name in the search box   Click Search | Category name= shirt | User should see the product available | Not Expected | Fail |
| TC11 | Check website users can easily add/remove products to/from a shopping cart. | 1. Go to site http://localhost/eshop/login.php   Click remove button |  | User should see the product remove from the shopping cart | As Expected | Pass |
| TC12 | Check users can add the same product multiple times. | 1. Go to site http://localhost/eshop/login.php 2. choose product   Selected add to cart |  | User should add product to the cart | Not Expected | Fail |
| TC13 | Check to add the same products in different variations – color, size, etc. | 1. Go to site http://localhost/eshop/login.php 2. choose product 3. Selected product color, size variation Different variation   Same product add to the shopping cart |  | User should add different variation same product to the cart | Not Expected | Fail |
| TC14 | Check users can add products from different categories to the cart. | 1. Go to site http://localhost/eshop/login.php 2. choose product   Selected product add to the  shopping cart |  | User should add different category product to the cart | As Expected | Pass |
| TC15 | Check Items in the cart are displayed with correct names, images, and prices. | 1. Go to site http://localhost/eshop/login.php   Click view Cart menu option |  | User should see added product are displayed with correct names, images, and prices in the shopping cart | As Expected | Pass |
| TC16 | Check items are clickable, and the links lead to corresponding product pages. | 1. Go to site http://localhost/eshop/login.php   Click item products |  | User should click the product and the links lead to corresponding product pages. | Not Expected | Fail |
| TC17 | Check an order price updates when a user adds/removes a new item to/from the cart. | 1. Go to site http://localhost/eshop/login.php 2. Choose product add to cart   Remove product add to cart |  | User should see an order price updates when a user adds/removes a new item to/from the cart. | As Expected | Pass |
| TC18 | Test Customers can check out and pay as users with registration. | 1. Go to site http://localhost/eshop/login.php 2. User Selected product click to checkout   User registration confirm |  | User should check out and pay | As Expected | Pass |
| TC19 | Test Customers can check out and pay as guest users without registration. | 1. Go to site http://localhost/eshop/login.php 2. view cart   Click checkout |  | User should check out and pay | Not Expected | Fail |

**Non-functional test case execution**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Scenario** | **Test Steps** | **Test Data** | **Expected Results** | **Actual Results** | **Pass/**  **Fail** |
| TC20 | Check it takes the expected time for a user to log in with the correct credentials. | 1. Go to site http://localhost/eshop/login.php 2. Enter username 3. Enter password | Username= saif  Password=1234 | User should login within 2-3 seconds | As Expected | Pass |
| TC21 | Check page loading speed is acceptable. | 1. Go to site http://localhost/eshop/login.php |  | User should see that home page load within 2-3 seconds | As Expected | Pass |
| TC22 | Check the carousel auto scrolls and the scrolling interval. | 1. Go to site http://localhost/eshop/login.php |  | User should see that carousel slider are auto scrolled | As Expected | Pass |
| TC23 | Check an application should be available at different battery conditions, including charging. | 1. Go to site http://localhost/eshop/login.php |  | User should see that application should be available at different battery conditions. | As Expected | Pass |
| TC24 | Check a user should be able to log in from different devices simultaneously. | 1. Go to site http://localhost/eshop/login.php 2. Enter username 3. Enter password | Username= saif  Password=1234 | User should able to log in from different devices simultaneously. | As Expected | Pass |
| TC25 | Check the product information from different devices should synchronize momentarily. | 1. Go to site <http://localhost/eshop/login.php> 2. Choose product |  | User should able to see the product information from different devices should synchronize momentarily. | As Expected | Pass |
| TC26 | Check the application should not cause device heating or battery draining. | 1. Go to site http://localhost/eshop/login.php |  | User should be able to use the system friendly without any battery problem. | As Expected | Pass |

**Bug Report:** A bug report is a specific report that outlines information about what is wrong and needs fixing with software or on a website. The report lists reasons, or seen errors, to point out exactly what is viewed as wrong, and also includes a request and/or details for how to address each issue.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenarios | Complexity | Responsible  Tester | Date of  Execution | Status  (Pass/Fail) | BugID | Severity | Status |
| Verify if a user will be able to register with a valid information. | Medium | Saifur | 18-02-2022 | Fail | 101 | High | Registration  Error |
| Verify if a user will be able to login with a valid email and password. | Complex | Akash | 18-02-2022 | Pass |  |  |  |
| Verify if a user will be able to login with a valid email and password. | Complex | Saifur | 18-02-2022 | Pass |  |  |  |
| Check if user will be able to add product to shopping cart | Complex | Akash | 18-02-2022 | Pass |  |  |  |
| Check if admin will be able to change his password | Complex | Saifur | 18-02-2022 | Fail | 102 | High | Update Fail |
| Check if user will be able to input product quantity | Medium | Saifur | 18-02-2022 | Pass |  |  |  |
| Verify if user will be able to remove from cart | Medium | Akash | 18-02-2022 | Pass |  |  |  |
| Verify if user will be able to checkout product and order confirm | Complex | Akash | 18-02-2022 | Pass |  |  |  |
| Verify that user will be able to input correct payment information | Complex | Saifur | 18-02-2022 | Fail | 103 | High | Transaction  ID Valid action |

Bug Name: Verify if a user will be able to register with a valid information.

Bug Id: 101

Expect Result: Registration Successfully

Build Version: 1.0

OS: Windows 10

Severity: High

Priority: High

Bug Name: Check if admin will be able to change his password

Bug Id: 102

Expect Result: Updating Successfully

Build Version: 1.0

OS: Windows 10

Severity: High

Priority: High

***Phase - 6 : Test Cycle Closure***

Test Closure is a document that gives a summary of all the tests conducted during the software development life cycle, it also gives a detailed analysis of the bugs removed and errors found. It evaluate the test completion on the basis of Test Coverage and Software Quality.

**Test Closure Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Cycle | Number of test cases | Test case execute | Test case not execute | Test Case pass | Test case fail |
| Cycle 01 | **19** | **19** | **0** | **12** | **7** |
| Cycle 02 | **7** | **7** | **0** | **7** | **0** |
| Total | **26** | **26** | **0** | **19** | **7** |