**TEST PLAN**  
I choose Gadget & Gear[[https://www.gadgetandgear.com](https://www.gadgetandgear.com/)] as my task

1.**Test plan identifier**

G&G-EC01

2.**Introduction**

**Gadget & Gear** is an e-commerce platform in Bangladesh specializing in electronic gadgets, tech accessories, and lifestyle products. The website offers a wide variety of items, including smartphones, computers, home electronics, and personal gadgets, catering to tech enthusiasts and everyday consumers. Their main objective is to provide customers with high-quality electronic products at competitive prices, along with excellent customer service and fast delivery. Gadget & Gear aims to create a seamless online shopping experience for tech lovers in Bangladesh by offering secure payment methods and reliable shipping options.

3.**Test items**

* Account registration
* Login/Log out function
* check password recovery option
* Product search and filtering system
* product information
* Product cart and checkout
* payment gateway system
* viii. Product confirmation and tracking

4.**Features to be tested**

1.Account Registration and management

* Sign Up
* Login
* Logout
* Password recovery

2. Product category

* product searching
* specific product searching such as laptop, smart watch, headphone
* product information and details such as variant, colour, price

3. Product cart and order

* Cart view showing the right information
* Add or remove
* Order confirmation

4.Payment Gateway

* check if it is showing all the payment option or not
* Check the payment security system
* Check the payment process

6. Order and tracking

* Check the orders are showing real time information
* Delivery confirmation

7. Check the Language options working

5.**Feature not to be tested**

6.**Approach**

* Test planning phase
* Test design phase
* Test Execution phase
* Defect and reporting phase
* Retesting and verification
* closer phase

7.**Item pass and fail criteria**

* Account registration

**pass criteria:**

1. showing all the information user needs to input

2. showing the sign with google option

**Fail criteria:**

1. those options will not work it will considered as fail

* Login/Log out function

**pass criteria:**

1. User can login with only with right information

2. If user provide any wrong information it will show error

**Fail criteria**

1. If user is giving the right information but still not able to log in it will consider as failure

2. If user can login with the wrong information

* Check password recovery option

**pass criteria:**

1. If user give the wrong password multiple time Forget password option will show

2.User can recover password with Email and phone number

**Fail criteria:**

1. After multiple wrong password attempt if forget password option doesn’t show

2. If user doesn’t able to recover by phone number or mail .

* Product search and filtering system

**pass criteria:**

1. Search option will visible

2. partial search will work

3. user can search specific brand or products

4. user can filtering product such as low to high price / high to low price or newest/oldest or oldest/newest.

**Fail criteria:**

1. If the search button doesn’t visible

2. if the partial search and specific product search doesn’t work

3. If the filtering option doesn’t show

* product information

**pass criteria:**

1. Product information & picture will be show properly

2. colour options will be show

3. user can see the variant and specification

4. stock will be show

**Fail criteria:**

1. If it doesn’t show the product information properly

2.if it doesn’t show the live stock

* Product cart and checkout

**pass criteria:**

**1.** User can add product to cart

2. User can remove products

3.User can see the list of all the item what they have added

**Fail criteria:**

1. If the above options will not work it will be failure

* payment gateway system

**pass criteria:**

1. All the payment Gateway should show

2. payment process is working smoothly

3. All the payment options has proper security

**Fail criteria:**

1. if payment gateway doesn’t show

2. if user face any problem to do the payment

3.if there is multiple payment failure case

* Product confirmation and tracking

**pass criteria:**

1. customer will get the product confirmation mail

2. live tracking option will be show

**Fail criteria:**

1. The order confirmation page is missing information or does not load after a successful order.

2.The user does not receive an order confirmation email.

3. User wont able to track the product .

**8. Suspension Criteria**

1. in case of any registration/login module failure

2. in case of any searching option failure

3. in case of any product buying option failed

**9.Test deliverables**

* 1.Test planning
* 2. Test case specifications
* 3. Test scenario
* 4. Test execution reporting
* 5. Defect report
* 6. Test summery report
* 7. Test closer report

**10.Testing task**

**11.Environmental needs**

Hardware requirement

* we need computers or laptop approx 3/4
* we need android device ¾
* we need IOS device 2/3
* we need load testing server

Software requirement

* Need Test automation tools like Selenium, [ Appium, TestComplete, ]
* Need Bug/Defect tracking tool [Jira]
* Need Debugging Tools [hrome DevTools, Visual Studio Debugger]

**12.Responsibilities**

* **Test Case Design and Execution**
* **Defect Reporting and Tracking**
* **Collaboration**
* **Test Reporting**

**13.Training needs**

For this project, no additional training requirements needed . The current QA team possesses the necessary skills and knowledge to perform the testing tasks effectively without the need for specialized training sessions.

**14.Schedule**

|  |  |  |
| --- | --- | --- |
| **DAY** | **TASK** | **DESCRIPTION** |
| Day 1 | Meeting with client | Meet with stakeholders to review project goals, scope, and test deliverables. |
| Day2 | Test Plan Creation | Prepare the test plan, test strategy, and define entry and exit criteria. |
| Day3 | Test Case Design | Write test cases based on requirements. |
| Day4 | Test Environment Setup | Set up test environment, devices, tools, and configure necessary software. |
| Day5 | Test Data Preparation | Prepare test data for functional, edge case, and boundary tests. |
| Day 6 | Test Case Review and Finalization | Review test cases with the team for completeness and correctness. |
| Day 7 | Manual Testing - Execution | Execute manual test cases and log defects. |
| Day 8 |  |  |
| Day 9 | Performance Testing | Perform load and stress testing (if applicable). Analyze results |
| Day 10 | Bug Triage and Fixes | Review, prioritize, and assign defects to developers. |
| Day 11 | Retesting and Regression Testing | Retest fixed bugs and run regression tests to ensure no new issues were introduced |
| Day 12 | Final Test Execution and Reporting | Perform final round of testing and prepare test execution report. |
| Day 13 | Test Summary Report | Prepare a detailed test summary report including pass/fail results and defect summary. |
| Day 14 | Sign-off and Project Handoff | Review the final product with stakeholders for approval. Handoff all testing documentation. |

**15.Risk & contingencies**

* Resource Availability Risk [team members may be unavailable due to illness, vacations, or other urgent tasks.]
* Test Environment Setup Delays [issue with configuring test environments, such as hardware, software, or network configuration]
* Insufficient Test Data
* Delayed Requirement Changes
* Unforeseen Technical Issues or Bugs

**16.Approval**