Test plan

Product name: Gadget and Gear (Frontend)

Prepared by: Fatema Tabassum

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5. **Overview:**

This document is the system test plan for the e-commerce website <https://gadgetandgear.com/> web application. Gadget and Gear is an Apple Authorized Reseller in Bangladesh and the only multi branded retail chain outlets of Mobile & Branded Premium Accessories in BD.

1. **Scope:**

The scope of the project includes testing the following features of <https://gadgetandgear.com/> web application.

**2.1)** **Inclusions:**

1. Register functionality.
2. Login functionality.
3. Logout functionality.
4. Search functionality.
5. Product display page functionality.
6. Add to cart functionality.
7. Checkout functionality.
8. Buy now functionality.
9. Cart page functionality.
10. Forgot password functionality.
11. Home page functionality.
12. Store Locator Page.
13. Live chat functionality.
14. About Us functionality.
15. Order Tracking functionality.
16. Return Policy functionality.
17. Terms and Conditions functionality.
18. Cookie Policy functionality.
19. Privacy Policy functionality.
20. Header options, footer options.
21. SHOP BY BRANDS functionality.

**2.2)** **Test Environments:**

1. Windows 10 – Chrome, Firefox and Edge
2. Android Mobile OS – Chrome

**2.3) Exclusions**

1. Any third-party features or Payment gateways.
2. **Test Strategy:**

As part of Functional Testing, we will follow the below approach for Testing:

**Step #1** – Creation of Test Scenarios and Test Cases for the different features in scope.

**Step #2** – Our Testing process, when we get an Application for Testing:

• Firstly, we will perform Smoke Testing to check whether the different and important functionalities of the application are working.

• We reject the build, if the Smoke Testing fails and will wait for the stable build before performing in depth testing of the application functionalities.

• Once we receive a stable build, which passes Smoke Testing, we perform in depth testing using the Test Cases created.

• Multiple Test Resources will be testing the same Application on Multiple Supported Environments simultaneously.

• We then report the bugs in bug tracking tool and send dev. Management the defect found.

• As part of the Testing, we will perform the below types of Testing:

* Smoke Testing and Sanity Testing
* Regression Testing and Retesting
* Usability Testing, Functionality & UI Testing

We repeat Test Cycles until we get the quality product.

**Step #3** – We will follow the below best practices to make our Testing better:

* End-to-End Testing – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows.

1. **Entry and Exit Criteria**

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

**Requirement Analysis**

**Entry Criteria:**

• Once the testing team receives the Requirements Documents or details about the Project.

**Exit Criteria:**

• List of Requirements are explored and understood by the Testing team.

• Doubts are cleared.

**Test Planning**

**Entry Criteria:**

• Testable Requirements derived from the given Requirements Documents or Project details.

• Doubts are cleared

**Exit Criteria:**

• Test Plan document (includes Test Strategy) is signed-off by the Client.

**Test Development**

**Entry Criteria:**

• Test Plan Document is signed-off by the Client.

**Exit Criteria:**

• Test Scenarios and Test Cases Documents are signed-off by the Client.

**Test Execution**

**Entry Criteria:**

• Test Scenarios and Test Cases Documents are signed-off by the Client.

• Application is ready for Testing.

**Exit Criteria:**

• Test Case Reports, Defect Reports are ready.

**Test Closure**

**Entry Criteria:**

• Test Case Reports, Defect Reports are ready.

**Exit Criteria:**

• Test Summary Reports.

1. **Suspension criteria:**

Show-Stopper bug found, Supplier issues, Vast changes in requirements, If resolving defects are more time consuming/expensive.

1. **Tools**

The following are the list of Tools we will be using in this Project:

* Bug Tracking Tool
* Mind map Tool
* Snipping Screenshot Tool
* Word and Excel documents