**Testing Release Plan**

**Company Name** : Awesomeqa

**Project Name** : awesomeqa.com/ui/

**Release Version** : 1.0.4

**Release Plan Designed By** : Vikas Kumar Bansal

**Document Overview** – This document is the Test Release Plan for project named “awesomeqa.com/ui/”. It contains the results of tests, which were executed in the testing phase.

**Testing Objectives** –

* To test UI/UX of website should be intuitive.
* To test that functionality of the website should be fine
* To do Usability testing and working as per user acceptance criteria.
* To do security testing and check that there is no hacking vulnerability in this website.
* To test that website should be scalable according to increasing load of users.
* The front and backend architect (like servers, microservices, database server, data centers etc.) is designed so that website keeps running even in case of some human error/outage/power failures/natural calamity etc.
* To test website is compatible with different Operating Systems, Browsers and devices like Laptops/tablets/smartphones.
* To test information about Payment gateways/ Wallets/ Cards are fully encrypted.
* To test customer data is completely secured and encrypted.
* To test there is no latency in the website.

**Types of Testing to be Performed** :-

* Functional Testing
* Usability Testing
* Backward Compatibility Testing
* Unit Testing
* Integration Testing
* Security Testing
* Load Testing
* Acceptance Testing
* Volume Testing
* Sanity Testing
* Reliability Engineering
* System Integration Testing
* UI Testing

**Testing Methodology Adopted** :-

* Agile Methodology

**Test Summary** :-

* Number of Test Scenarios – 112
* Number of Test Cases – 115

**Test Description** :-

* Execution of UI related testcases
* Execution of functional testcases
* Execution of workflows for “Add to Cart”, “Add to Wishlist”, “Payment Workflows”.
* Execution of testcases for different resolutions, browsers, operating systems, laptops, tablets, smartphones.
* Execution of testcases for backend servers, database servers, microservices.
* Execution of performance testing and Load testing
* Execution of testcases for website latency.
* Execution of testcases for Security, HTTPS protocol, Vulnerability mitigation, Encryption support, safety and backup of customer data.

**Tools/ 3rd Party Softwares to be Used :-**

* Vulnerability testing tools like Burp Suite, Qualys, Nessus, OpenVAS, Nmap.
* Load testing tools like Apache Jmeter, LoadRunner, WebLoad, LoadUI, NeoLoad.
* Windows machines for OS like Windows11, Windows10, Windows 8.1,Windows 7, Windows Server 2022, Windows Server 2019, Windows Server 2016.
* Macintosh machines for OS like Catalina, Mojave, High Sierra, El Captian.
* Linux machines for OS like Ubuntu, CentOS, Fedora, Debian.
* Unix machines for OS like Oracle Soalris, IBM AIX, Free BSD.
* Android Smartphones for OS like Android 10 (Quince Tart), Android 11 (Red Valvet Cake), Android 12 (Snow Cone), Android 13 (Tiramisu).