**Test Plan and Test strategy For Bigsmall Website**

**Name of the Product: Bigsmall**

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1. **INTRODUCTION**

It a E-Commerce Website that makes creative personalized gifts, birthday gifts for girlfriend, [gifts for new moms](https://www.bigsmall.in/collections/gifts-for-new-moms), baby shower gifts, valentine's day gifts for boyfriend, father's day gifts, [unique housewarming gifts](https://www.bigsmall.in/collections/housewarming-gifts) for your newly moved in neighbor, or [funny gifts](https://www.bigsmall.in/collections/funny-gifts) for your best friend, one can find the most unusual and [unique gifts](https://www.bigsmall.in/collections/unique-gifts) for any occasion.

**2.0 TASKS**

* **testing,**
* **post-testing,**
* **problem reporting**
* **debug reporting**
* **retesting**

**3.0 SCOPE**

**General:**

In this project Login functionality , adding elements to cart and adding items to Wishlist has been tested, Login into website ,Creating new Account in portal has been tested, check Cod availability.

**Tactics:**

|  |
| --- |
| Adding items to Cart |
| The user is on Home Page (URL:” https://www.bigsmall.in/”) |
| User Clicks on Sale, user should be able to see sale |
| **User Select an Item , the page redirect to items Details.** |
| User Clicks on add to Cart, the item should add to cart |
| User Can Access the Cart items at any time and can Buy them. |

**4.0 TESTING STRATEGY**

Describe the overall approach to testing. For each major group of features or feature combinations, specify the approach which will ensure that these feature groups are adequately tested.

Specify the major activities, techniques, and tools that are used to test the designated groups of features.

The approach should be described with sufficient details to permit the identification of the major testing tasks and estimation of the time required to do each one.

4.0a **Scope**

* Manual testing of all test functions
* Functional Testing with selenium automation testing

Unit testing

Integration Testing

System Integration Testing

* Nonfunctional testing

Load testing

Performance testing

* Regression testing
* Debug reporting
* Retesting
* Test report summary

4.0b **Test Approach**

* Manual testing of all test functions
* Functional Testing with selenium automation testing
* Debug reporting
* Retesting
* Test report summary

4.0c **Test Environment**

* **Windows OS 10**
* **Visual Studio 2019**
* **Chrome version 103.0.503**
* **Microsoft Edge**

4.0d **Testing Tools**

* **Selenium web driver**
* **Selenium**
* **Selenium Chrome Driver**
* **Selenium Support**
* **Spec flow**
* **Spec flow N unit**
* **Spec flow N unit runner**
* **N unit**
* **Spec flow Assist Dynamics**
* **Extent Report**

**4.0e Release Control**

* **Release management plan with appropriate version history that will make sure test execution for all modification in that release**

**4.0f Risk Analysis**

* **Testing tool failure, Software program is not working as per requirement.**
* **BRS, FRS requirement may not fully be filled by software.**

**4.0g Review and Approvals**

* All these activities are reviewed and signed off by the business team, project management, development team, etc.
* Summary of review changes should be traced at the beginning of the document along with an approved date, name, and comment

**4.1 Unit Testing**

**Definition:**Unit testing is a [software](https://www.techtarget.com/searchapparchitecture/definition/software) development process in which the smallest testable parts of an [application](https://www.techtarget.com/searchsoftwarequality/definition/application), called units, are individually and independently scrutinized for proper operation. This testing methodology is done during the development process by the software developers and sometimes QA staff.  The main objective of unit testing is to isolate written code to test and determine if it works as intended.

**Participants:**

Xxxxx

Yyyy

uuuuu

**4.2 System and Integration Testing**

**Definition:**System [Integration Testing](https://www.guru99.com/integration-testing.html) is defined as a type of software testing carried out in an integrated hardware and software environment to verify the behavior of the complete system. It is testing conducted on a complete, integrated system to evaluate the system’s compliance with its specified requirement.

System Integration Testing (SIT) is performed to verify the interactions between the modules of a software system. It deals with the verification of the high and low-level software requirements specified in the Software Requirements Specification/Data and the Software Design Document.

**Participants:**

* abcd
* Efgh
* Dhfjhj
* ghghj

**4.4 User Acceptance Testing**

**Definition:**User acceptance testing (UAT), also called application testing or end-user testing, is a phase of software development in which the software is tested in the real world by its intended audience.

**Participants:**

* Abcd
* Efgh
* Kjik

**4.6 Automated Regression Testing**

**Definition:**[Regression testing](https://www.softwaretestinghelp.com/regression-testing-tools-and-methods/) is the selective retesting of a system or a component to verify that the modifications have not caused unintended effects and that system or component still works as specified in the requirements.

**Participants:**

* Harshit
* RituRaj
* Kunal

**5.0 HARDWARE REQUIREMENTS**  
Computers  
Modems

**6.0 ENVIRONMENT REQUIREMENTS**

**Windows OS 10.12.0**

**Chrome version 103.0.5060.53**

**Visual Studio 2019**

**6.1 Main Frame**  
Specify both the necessary and desired properties of the test environment.

The specification should contain the physical characteristics of the facilities, including the hardware, the communications, and system software, the mode of usage (**For Example,** stand-alone), and any other software or supplies that are required to support the test.

Also, specify the level of security that must be provided for the test facility, system software, and proprietary components such as software, data, and hardware.

Identify the special test tools that are required. Identify any other testing needs **,** publications or office space). Identify the source of all needs that are not currently available to your group.

**6.2 Workstation**

**7.0 TEST SCHEDULE**

Include all test milestones identified in the Software Project Schedule as well as all item transmittal events.

Define any additional test milestones required. Estimate the time required to complete each testing task. Specify the schedule for each testing task and test milestone. For each testing resource (that is, facilities, tools, and staff), specify its periods of use.

**8.0 CONTROL PROCEDURES**

**Problem Reporting**  
Document the procedures to be followed when an incident is encountered during the testing process. If a standard form is going to be used, attach a blank copy as an “Appendix” to the Test Plan.

If you are using an automated incident logging system, write the procedures.

**9.0 FEATURES TO BE TESTED**

* Login feature
* Adding to cart feature
* Adding Wishlist feature
* Creating new Account feature
* Login a user
* Cod availability
* SigUp feature
* Sigin Feature with invalid mail

**10.0 RESOURCES/ROLES & RESPONSIBILITIES**

developers,

testers,

operations staff,

testing services,

**11.0 SCHEDULES**

**Major Deliverables:**Identify the deliverable documents.

**You can list the following documents:**

* Test Plan
* Test Cases
* Test Incident Reports
* Test Summary Reports

**12.0 SIGNIFICANTLY IMPACTED DEPARTMENTS (SIDs)**

Business Area Bus.

Manager Tester(s)

**13.0 DEPENDENCIES**

* test-item availability,
* testing-resource availability
* deadlines.

**14.0 RISKS/ASSUMPTIONS**

Delays in delivery of test items might require increased night shift scheduling to meet the delivery date).

**15.0 TOOLS**

* Spec flow
* Selenium
* Rest sharp
* Extent Report
* NUnit Framework

**16.0 APPROVALS**

Name (In Capital Letters) Signature Date:

1.  
2.  
3.  
4.