Software Testing Documentation

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For the Project
Baby and Kids shopping
Website

SAHYOG COLLEGE

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1. Introduction

1.1 Document Identifier

The Baby and kids shopping Website aims to Providing an easy-to-use shopping system and showcasing our products and facilities that can enhance the overall customer experience, making it easier and more convenient for them to interact with our website and choose the product without any hesitation and get satisfied by fulfilling their needs.

This Document is prepared by our team members with the purpose of testing the buying facility of the web Application and to ensure that the user sign-up process is thoroughly tested, and any potential issues or vulnerabilities are identified and addressed before the website is launched. This document is the first version of Software Testing Documentation.

1.2 Scope

The purpose of this document is to provide the test cases of Baby and kids shopping web application. The document provides the objective, scenario, expected outcomes and procedural requirements for each test case. Additionally, verify that the products are displayed accurately with the corresponding prices and descriptions. Validate the functionality of the buying system, ensuring that users can select their preferred items that is needed for their child, verify that the user sign-up process is working correctly,

preventing duplicate sign-ups for the same user.

1.3 References

SoftwareTestingDoccumentation.pdf - given

by college.

1.4 Level In the Overall Sequence

In this document, only integration testing is followed in order to ensure that the subsystems are able to work as a correlated system.

2. Details For System Plan

2.1 Features To Be Tested

Verify that the products are displayed accurately with the corresponding prices and descriptions.

Validate the functionality of the buying system, ensuring that users can select their preferred items for satisfying their needs.

Verify that the user sign-up process is working correctly, prevents from buying without sign-up or duplicate sign-ups for the same user.

2.2 Approach

Blackbox testing which examines the functionality of an application without peering into its internal structures or workings is determined to be used based on our knowledge of internal operation.

2.3 Item Pass / Fail Criteria

For each test there are input-output pairs which must be satisfied by related test cases. The test cases which result in unexpected outputs shall be considered as fail. This approach shall be applied only to test cases with black box method.

2.4 Test Deliverables

This document contains test procedure specifications that explain the steps for executing all test cases given in the following sections and the results of each test case. It is prepared based on Software Testing Documentation.

3. Test Management

3.1 Planned Activities and Tasks; Test Progression

The test process will start with analysis and inspection of the SDD in order to understand the requirements and design cases and code in order to find the error prone parts of the code in testing purposes. Then, necessary test cases will be determined and for better understanding, cases will be dividedinto groups according to their objectives. After that, the expected outputs for each test case will be decided and described. Finally, inputs for each test case will be determined.

In the final step, the results of each test will be gathered in a test results table. This will enable us to see what shouldbe done in further steps of the software's development. The testing of this project will be done manually except performance testing.

3.2 Environment / Infrastructure

Hardware Needs: The devices which will form the hardware components of the system shall have network access. Therefore, modem, WAN/LAN, Ethernet cross cable isconsidered as hardware needs.

Software Needs: XAMPP is required.

4. Test Case Details

4.1 Introduction

This section provides the detailed explanation for each test case accompanied by the its inputs, outcomes, environmental and procedural requirements along with the dependencies among test cases. This section includes the information for all test cases we run on the project.

For each test case, there are seven fields; test case identifier, objective, inputs, outcomes, environmental needs, special procedural requirements, inter case dependencies. Test case id is unique for each test case and is used for identifying test cases.

4.2 Test Cases

Test case identifier	Test1
Objective	Register
Inputs	Name, phone number, email, password
Outcome	User registered successfully and registered data is stored in database.
Environmental needs	Visual studio code, notepad++, and for connecting database - XAMPP.
Special procedural requirements	There are no special procedural requirements.
Intercase dependencies	There are no intercase dependencies for this test case.

Test case identifier	Test2
Objective	Log in
Inputs	E-mail, Password
Outcome	User logged in successfully
Environmental needs	Visual studio code, notepad++, and for connecting database - XAMPP.
Special procedural requirements	There are no special procedural requirements.
Intercase dependencies	Test1

Test case identifier	Test3
Objective	Add to cart
Inputs	Product name, product price.
Outcome	Your product has been successfully added to the cart And stored in the database.
Environmental needs	Visual studio code, notepad++, and for connecting database - XAMPP.

Special procedural requirements	There are no special procedural requirements.
Intercase dependencies	There are no intercase dependencies for this test case.

Test case identifier	Test4
Objective	User should be logged in before buying the product.
Inputs	Email, password.
Outcome	You can't buy the product without login.
Environmental needs	Visual studio code, notepad++, and for connecting database - XAMPP.
Special procedural requirements	There are no special procedural requirements.
Intercase dependencies	Test2

Test case identifier	Test5
Objective	Admin login
Inputs	Admin name, password.
Outcome	Admin has successfully logged in and easy to access admin page.
Environmental needs	Visual studio code, notepad++, and for connecting database - XAMPP.

Special procedural requirements	There are no special procedural requirements.
Intercase dependencies	There are no intercase dependencies for this test case.

5. System Test Report Details

5.1 Overview Of Test Results

In this section of the document, test cases that are explained in the previous section are concluded with their results according to pass/fail criteria that is also defined in the document. Results of the all-test cases are given in following part.

5.2 Detailed Test Results

Test1	PASS
Test2	PASS
Test3	PASS
Test4	FAIL
Test5	PASS

5.3 Rationale For Decisions

Test cases were formed in order to see the behavior of the code in prone parameters and inputs. The test cases were tested number of times and behavior of the system was observed using our predefined evaluation metrics.

5.4 Conclusions And recommendations

In the testing period, 5 different test cases are executed. All of the test are about functionality testing about the project.

Report

Manual Testing Report for Baby and kids shopping Website Project

Date of Testing: 02/11/2023

Tested By: Baby and kids shopping Team Members.

Test Summary: The manual testing was conducted to ensure the functionality and usability of the shopping website. The primary focus was on testing the product display, product details, product buying, user register process, and overall user experience.

Product Functionality Testing:
All product were displayed accurately with their respective prices, descriptions and quality.

Product Buying Testing:
User can buy products from our website, anywhere and anytime and also prevent them from buying without login.
User cannot buy any product without logging in to the website.

User Register Process Testing:
The user register process effectively prevented logins without registration. Existing users were able to log in using their credentials without any issues.

Security and Privacy Testing:
User data was securely stored and protected from unauthorized access.
The website complied with relevant data protection regulations and implemented encryption for sensitive user information.

Recommendations: Regular monitoring and maintenance are recommended to ensure that the website continues to operate smoothly and remains secure. Additionally, periodic checks for updates and security patches should be implemented to safeguard against potential vulnerabilities.

Conclusion: Overall, the manual testing confirmed that the shopping website is functioning as expected, providing a seamless and secure experience for users. The identified issues were promptly

addressed and resolved, ensuring a reliable platform for customers to access and buy products at our website.