Test Plan

for Online Sales Portal

Version 1.0 approved

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TEST PLAN

1. TEST PLAN IDENTIFIER

Test run 1.0.0

2. REFERENCES

IEEE-829 Test Plan Template is followed to prepare this test plan.

3. INTRODUCTION

The Primary goal of this software is to develop an Online Sales Portal. This test plan consists of the test steps needed to be performed along with Workflow how these tests will be executed. We have excluded those test steps Which are not applicable to this specific problem.

4. TEST ITEMS (FUNCTIONS)

The various functions and scenarios were tested to ensure the successful release of the Online Sales Portal. It complies with the standards issued by IEEE with respect to projects related to software engineering.

5. SOFTWARE RISK ISSUES

The software deployed has the following risks associated:

• The software has been developed using Django 5.0.3 while relying on the libraries Bootstrap, pillow 10.2.0, phonenumbers, indian-cities, django-crispy-forms, python-dotenv

• The Software relies on a stable internet connection to run smoothly and to be able to communicate with the database.

6. FEATURES TO BE TESTED

The following functions and interfaces were tested:
- Sign up Interface
- Login Interface
- Search Item
- Buy item
- Pay online
- Upload Item
- Negotiate on price
- Update password
- Add Category
- Delete Category
- Audit
- Manage Item
- Communicate through Email
- Heavy Item

7. FEATURES NOT TO BE TESTED

The following features were not tested:
- Compatibility of the software across various browsers, operating systems, and different versions of Django.
- Automated Testing Suite

8. APPROACH (STRATEGY)

The basic approach followed while testing the software was by Design and Test method. The simplicity and speed of testing using this method is very high. As a result, we were easily able to create functions, test them, then check them in the console as they were implemented. We also kept in mind the possible weak points where the software is most vulnerable and performed repeated tests for those points to ensure no breakage of software functionality.

9. ITEM PASS FAIL CRITERIA

The test case is considered to be passed if the desired output is produced or the desired window appears on giving a specific input. For getting the output as passed one must ensure that the passed Input is correct and follows the rules. While the test case is considered to be failed if we don't get the desired output for putting correct inputs (we are not directed to the desired window or the functionality did not work .The pass/fail conditions are of great significance as it determines the quality of the website and work done on the website.

10. TEST DELIVERABLES

What indeed is to be supplied as a part of the final test

report-   • Software requirements Document (SRS)

- Test compliance report
- Test plan

11. RESPONSIBILITIES

To ensure an efficient process, all the work was systematically distributed among the group members. The group members complimented each other in their respective work.

Keeping in mind the importance of the test cases and the respective document, the test cases were tested prior to the submissions and all the errors in the inputs as well as in the system were mentioned in the documents.

One may intend to use the server using different inputs. We can assure that the website will be error free and according to that described in the documents.

12. SCHEDULE

Each functionality and its working were checked as soon as it was designed or coded. This helped us in checking and eliminating immediately the errors that could have popped up. Apart from that the overall working of the website and testing was done rigorously to avoid any unnoticed errors, else the test cases and outputs were noted over a period of days.

13. APPROVALS

The website or the project is checked and verified by our members before submission.

14. GLOSSARY

IEEE - Institute of Electrical and Electronics Engineers.
LIS – Library Information System.