

Test Plan: Factorial Web Site Version 1.0

1. Introduction:

This test plan outlines the testing approach for the Factorial Website. The purpose of this plan is to ensure the quality and reliability of the website's features before deployment and to assist quality management.

2. Document Control:

Version: 1.0
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3. References:

Istqb Foundation Syllabus Documentation v4.0

4. Test Items:

Calculate Factorial Website (Version 1.0)

5. Features to be Tested:

User Interface Component
Calculation Function

6. Features Not to be Tested:

No External Service

7. Testing Approach:

Testing will include both manual and automated approaches. Black-box testing will be primarily used, focusing on input-output behavior. Regression testing will be performed after each software update. Smoke testing will be performed if necessary.

8. Test Deliverables:

Test Execution Reports
Defect Reports

9. Testing Scenarios:

Task 1: Calculate Factorial Positive Number 1

Task 2: Calculate Factorial Positive Number 2

Task 3: Calculate Factorial Zero

Task 4: Calculate Factorial Negative

Task 5: Calculate Factorial Non Digit

Task 6: Calculate Factorial Positive Number - Big Number

Task 7: Calculate Factorial Infinite Number

10. Environmental Needs:

- Hardware: Standard PCs for testers
- Software: Web browsers (Chrome)
- Test Environments: Production

11. Test Dependencies:

- Stable Internet Connection

12. Risks and Assumptions:

- Risk: Incomplete or incorrect requirements may impact testing accuracy.
- Assumption: Test environment configurations remain consistent throughout testing.

13. Approvals:

- Test Plan to be reviewed and approved by Project Manager before execution.

14. Appendices:

No appendices

15. Glossary:

No Terms.