Test Plan for —------

Project:

Version:

Date:

Author:

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3.1. Test Plan
Document overall testing strategy.
● Project Objectives: Define specific goals of the testing project.
● Testing Approach: Describe types of testing (functional, non-functional) and test case prioritization.
● Test Schedule: Outline timelines for planning, designing, implementing, executing, and closing out testing activities.
● Resources: List personnel, equipment, and software tools required for testing.
3.2. Test Conditions
● Hardware: Conduct testing on a desktop computer with specified specifications.
● Software: Use Chrome or Firefox web browser and the e-commerce web app.
● Network: Ensure stable network connection with minimum bandwidth requirements.
● User roles: Test with registered user and guest user permissions.
● System configurations: Assume configured system settings for Favorites list functionality.
The testing will be conducted under defined conditions to ensure consistent and reproducible results:
Hardware: The testing will be conducted on a desktop computer with the following specifications:
○ Operating system: Windows 10
○ Processor: Intel Core i5 or equivalent
○ RAM: 8 GB or more
○ Hard drive: SSD with at least 50 GB of free space

Software: The following software will be used for testing:
○ Web browser: Chrome or Firefox
○ E-commerce web app
Network: The testing will be conducted on a stable network connection with a minimum download speed of 5 Mbps and an upload speed of 2 Mbps.
User roles: The testing will be conducted using the following user roles and permissions:
○ Registered user: A registered user with an active account.
○ Guest user: A user who is not logged in to an account.
System configurations: The testing will assume the following system configurations:
○ The e-commerce web app is configured to allow users to add products to their Favorites lists.
○ The e-commerce web app is configured to display the Favorites list on the user's profile page.
○ The e-commerce web app is configured to remove products from the

Favorites list.

3.3. Test Cases

A comprehensive set of test cases will be developed to cover all aspects of the Add a product to the Favorites list functionality. Each test case will clearly define the following:

3.3.1. Test objective: The specific goal of the test case.

3.3.2. Pre-conditions: The conditions that must be met before executing the test case.

3.3.3. Steps: The specific steps to be taken to execute the test case.

3.3.4. Expected results: The desired outcome of the test case.

3.3.5. Actual results: The actual outcome of the test case.

3.3.6. Priority: The priority level of the test case, based on its criticality and risk assessment.

3.4. Daily Test Summary Reports

● Daily test summary reports will be generated to provide a summary of the testing activities conducted on each day. These reports will include the following information:
  ○ Number of test cases executed
  ○ Number of defects identified
  ○ Notable issues
  ○ Outstanding actions

3.5. Traceability Matrix

● Create a traceability matrix linking test cases to specific requirements or user stories.

3.6. Test Case Results

● Maintain a detailed record of each executed test case result: pass, fail, inconclusive.

● Document defects or issues for failed test cases, assigning severity levels based on impact.

3.7. Bugs Report

● Comprehensive bug reports for each identified defect, including a detailed description of the defect, steps to reproduce it, affected versions of the software, severity level, ownership of the defect, and a timeline for resolution and retesting.

3.7.1. Detailed description of the defect: A clear and concise description of the defect, including its manifestation and impact on the functionality.

3.7.2. Steps to reproduce: A step-by-step guide for reproducing the defect, allowing for easy identification and debugging.

3.7.3. Affected versions of the software: The specific versions of the e-commerce web app and relevant software components affected by the defect.

3.7.4. Severity level: The severity level of the defect, categorized as high, medium, or low, based on its impact on the functionality and user

experience.

3.7.5. Ownership of the defect: The designation of the team or individual responsible for resolving the defect.

3.7.6. Timeline for resolution and retesting: A clear timeline for resolving the defect, including the estimated time for fixing the issue and scheduling retesting to validate the fix.

3.8. Test Completion report

A comprehensive test completion report will be generated to summarize the overall findings of the testing phase. It will include the following information:

3.8.1. Number of test cases executed: The total number of test cases executed during the testing process.

3.8.2. Number of defects identified: The total number of defects identified and documented during the testing process.

3.8.3. Closure status of defects: The status of each defect, indicating whether it has been fixed, requires further investigation, or has been deferred.

3.8.4. Overall quality and completeness of the functionality: A summary of the overall quality and completeness of the Add a product to the Favorites list functionality.

3.8.5. Recommendations for further testing or development: Recommendations for any additional testing or development activities that may be required to address identified defects or enhance the functionality.