Test Plan

Project Name : TutorialsNinja by masai

Project code : Amendment Android\_067

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1. Introduction .

This test plan outlines the strategy and approach for testing the functionality of the home page. The primary objective is to ensure that all components and features of the home page operate as expected. The goal is to ensure that all components and features on the home page work as intended and provide a seamless user experience.

2. Objective

* Ensure that all components of the home page, including the main body, container, header, common hero section, and footer, function as intended.
* Detect and document any defects or issues within the home page components.
* Confirm that the user experience is smooth and intuitive across all sections of the home page.
* Test the home page across different browsers and devices to ensure compatibility and responsiveness.
* To conform the compatibility with different browsers (Morgila, firefox, edge, brave)

3. Scope

* Visual and UI elements (headers, footers, banners, etc.)
* Navigation links and buttons
* Search functionality
* Responsiveness on various devices (desktop, tablet, mobile)
* Compatibility with different browsers (Chrome, Firefox, Safari, Edge)
* Content accuracy (text, images, videos)
* Performance metrics (loading time, resource usage)

4. Testable Feature

The testable features of the home page include:

1. Main Body: Layout, content display, and responsiveness.
2. Container: Alignment and interaction of elements.
3. Header: Visibility and functionality of navigation links.
4. Common Hero Section:

* swiper\_viewpoint1: Navigation and functionality.
* cards\_row: Display and interaction.
* swiper\_viewpoint2: Navigation and functionality.

1. Footer: Functionality of information, customer service, extras, and account links.

5. Testing Approach:

The testing approach for the home page includes:

1. **Manual Testing**: Verify the functionality, layout, and responsiveness of each component through manual inspection.
2. **Automated Testing**: Use automated scripts to test repetitive tasks and ensure consistency across different browsers and devices.
3. **Cross-Browser Testing**: Ensure compatibility and performance on various browsers (e.g., Chrome, Firefox, Safari).
4. **Responsive Testing**: Check the layout and functionality on different screen sizes and devices (e.g., mobile, tablet, desktop).
5. **Performance Testing**: Assess the loading speed and overall performance of the home page under different conditions.

6. Roles/Responsibilities

| Name | Role | Responsible |
| --- | --- | --- |
| Abhisek Baral | Test Engineer | * Understand customer requirements make test planning * Assign tasks, set priorities and provide members. * Review test results and provide feedback to team members. * Monitor and manage risks throughout the testing life cycle |
| Karan Ramgopal Soni | Test Engineer | * Understand customer requirements * Write Test scenarios & Test cases * Executing the Test cases. * Performing root cause analysis to identify underlying issues. * Defect tracking and reporting. |

7. Test Schedule

| Task | Time Duration |
| --- | --- |
| Test plan | 17 Jul 24 |
| Test Scenario | 18 Jul 24 |
| Test cases creation | 18 Jul - 19 Jul 24 |
| Test cases Execution | 18 Jul - 20 Jul 24 |
| Summary report submission | 20 April 24 |

8. Test Deliverables

The following are to be delivered to the client:

| **Deliverables** | **Description** | **Responsible**  **Owner** | **Target**  **Completion**  **Date** |
| --- | --- | --- | --- |
| Test Plan | Outlines the testing approach, strategies, and scope for the Amazon web application. | Masai - TutorialsNinja | 18 July 2024 |
| Test Cases & Scenarios | Test Cases created for both functional testing and usability testing | Masai - TutorialsNinja | 18 July 2024 |
| Defect Reports | Detailed description of the defects identified in different versions of application. | Masai - TutorialsNinja | 19 July 2024 |

9. Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life

Cycle:

**Requirement Analysis :**

**Entry Criteria:**

1. **Requirements Documentation**: All requirements and specifications for the home page are complete and approved.
2. **Test Environment**: The test environment is set up and configured, including necessary hardware, software, and network configurations.
3. **Test Data**: All required test data is prepared and available.
4. **Test Cases**: Test cases are written, reviewed, and approved.
5. **Access**: Testers have access to the home page and all related resources.

**Exit Criteria:**

1. **Test Case Execution**: All planned test cases have been executed.
2. **Defect Resolution**: All critical and high-priority defects have been identified, documented, and resolved.
3. **Test Summary Report**: A test summary report has been prepared, reviewed, and approved.
4. **User Acceptance**: The home page has been reviewed and accepted by stakeholders.
5. **Performance Metrics**: Performance metrics meet the defined acceptance criteria.

10. Tools

The following are the list of Tools we will be using in this Project:

* X mind map Tool
* Microsoft Teams - collaboration
* Cypress - Web Automation

11. Risks and Mitigation plans:

The following are the list of risks possible and the ways to mitigate them:

| Risk | Mitigation plans |
| --- | --- |
| The home page may load slowly or not respond as expected, impacting user experience. | Conduct performance testing and optimise the code, images, and other resources to ensure quick load times and responsiveness |
| The home page may not function properly on all devices (e.g., mobile, tablet, desktop). | Use responsive design principles and test on various devices to ensure the home page adapts correctly to different screen sizes. |
| Navigation links on the home page might lead to errors or incorrect pages. | Regularly check and update all links on the home page to ensure they are correct and lead to the intended destinations. |

12. Approvals

Masai will send different types of documents for Client Approval like below:

Test Plan

Test Scenarios

Test Cases

Bug Reports

Testing will only continue to the next steps once these approvals are done

### **Conclusion**

This test plan provides a comprehensive framework for evaluating the functionality, performance, and user experience of the home page. By systematically testing each component, including the main body, container, header, common hero section, and footer, we aim to ensure that the home page meets all specified requirements and delivers a seamless experience to users. Successful completion of this test plan will confirm that the home page is ready for deployment, providing confidence in its stability and usability.

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