**Test Plan Document for Luni Interface Website:**

**Test Plan Overview:**

**Project Name:** Test Automation for Luni Interface Website

**Objective:**  
To validate the functionality, usability, and responsiveness of the Luni Interface website hosted at [Luni Interface](https://luni-interface-029.vercel.app/). The testing will focus on critical features like Homepage Navigation, Login/Signup, Interactive components, Add-to-cart & checkout processes, Responsiveness and Layout, Content validation and Footer Links.

**In-Scope:**

* Homepage navigation
* Interactive components (sliders, toggles)
* Add-to-cart and checkout processes
* Form validation (error and success messages)
* Responsiveness across desktop, tablet, and mobile views
* Footer links

**Out-of-Scope:**

* Performance testing
* Security testing
* Backend integration tests

**Approach:**

* **Testing Tool:** Cypress
* **Design Pattern:** Page Object Model (POM)
* **Levels of Testing:**
  + Functional testing
  + UI testing
  + Responsive design testing

**Test Type:**

* Functional Testing: Focused on features and workflows to ensure they work as intended.
* Usability Testing: Evaluates user experience, accessibility, and design responsiveness.

**Test Strategy:**

Functional Testing:

* Test individual workflows and UI components.
* Use Cypress for automated validations.

Usability Testing:

* Evaluate user experience through manual testing across devices.
* Focus on design clarity, accessibility, and intuitive navigation.

**Testing Flow:**

* Execute tests for navigation links and header/footer elements.
* Validate login/signup processes using valid and invalid inputs.
* Test interactive components and responsiveness on multiple devices.
* Execute cart addition and checkout workflows.
* Evaluate the accuracy of static and dynamic content.

**Key Features to Test**

Homepage Navigation

* Validate all header and footer links for proper redirection.
* Verify login/signup workflows.
* Test redirection from call-to-action buttons to target pages or sections.

Interactive Components

* Verify sliders, toggles, and other dynamic elements function as expected.
* Test interactive elements for responsiveness on different screen sizes.

Add-to-Cart & Checkout Process

* Add items to the cart and ensure seamless checkout workflows.
* Validate error messages for incomplete fields and success messages after correct submissions.

Responsiveness and Layout

* Test layout consistency across devices (desktop, tablet, mobile).
* Validate the behaviour of elements during screen resizing.

Content Validation

* Verify static content like headers, labels, and descriptions for accuracy.
* Ensure dynamic content updates appropriately with user interactions.

Footer Links

* Test footer links for accurate redirection (e.g., About Us, Terms & Conditions).

**Tools Used:**

* **Cypress:** Test automation for end-to-end validation.
* **Browser Developer Tools:** Inspect and debug issues.
* **Google Docs/Sheets:** Documentation and reporting.
* Trello/Jira: Track and manage defects.

**Testing Environment:**

* **Browsers:** Latest versions of Chrome, Firefox, and Safari
* **Devices:** Desktop (1280x720), Tablet (768x1024), Mobile (375x667)

**URL:** [Luni Interface](https://luni-interface-029.vercel.app/)

**Access:**

* Ensure testers have access to the live website and necessary credentials for testing.

**Test Execution Timeline:**  
18/12/2024 to 21/12/2024

**Approved By:**  
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**Tester:**  
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