**chambi eagle technology**

**project proposal**

**Responsive E-comm Front-end**

**project overview**

The primary objective of this project is to develop a basic e-commerce frontend that enables users to browse products, view product details, and add items to a shopping cart. The frontend should be responsive, ensuring optimal user experience across different devices.

**Functional requirements**

* **Product Listing:**
* Display a list of products with essential details (name, price, and image…)
* Filter products by categories (and if possible by price range and brands).
* **Product Details:**
* Provide detailed information about selected products, including descriptions and additional images.
* **Shopping Cart:**
* Allow users to add, remove, and modify product quantities.
* Calculate shipping costs and total amount.
* **Multilingual Support:**
* Display product information and user interface in English and French.
* Provide language switching functionality.
* **User Interface:**
* Design an intuitive and visually appealing user interface.
* Ensure clear navigation and easy product discovery.

**non-Functional Requirements**

* **Responsiveness:**
* The frontend should adapt seamlessly to different screen sizes and devices (desktop, tablet, mobile).
* **Performance:**
* Optimize the frontend for fast loading times and smooth interactions.

**project methodology**

The project will be managed using Agile methodology, emphasizing iterative development and flexibility. The development process will involve the following stages:

* **Planning: (2 to 3 days)**
* Choosing the categories and the list of products.
* Searching other e-commerce websites.
* **Development: (7 to 10 days)**
* Writing the HTML code (1 to 2 days)
* Focusing on the CSS part: styling and responsive layout (2days)
* Focusing on the product interactions (1 day)
* Implementing the shopping cart and its proprieties (1 day)
* Displaying the product in 2 languages (3 days)
* **Testing: (1 day)**
* Conduct through testing to identify and fix defects