**PHASE 3: DEVELOPMENT**

**Project Planning and Requirements Gathering:**

Define the project's goals, objectives, and target audience. Gather and document the specific requirements for the website's frontend.

**Wireframing and Mock ups:**

Create wireframes or low-fidelity sketches to outline the layout and structure of the web pages. Develop high-fidelity mock ups to visualize the design with more detail.

**Design:**

Create the visual design of the website, including colour schemes, typography, imagery, and overall aesthetics. Use design software like Adobe XD, Sketch, Figma, or Photoshop. Ensure that the design is responsive to different screen sizes and devices. Design for mobile, tablet, and desktop layouts.

**HTML (Hypertext Markup Language):**

Write HTML code to structure the content of the web pages. This includes defining headings, paragraphs, lists, and links.

**CSS (Cascading Style Sheets):**

Style the HTML elements using CSS to control the layout, colours, fonts, and other visual aspects of the website.

**Frameworks and Libraries:**

Utilize frontend frameworks and libraries like Bootstrap, Foundation, or React to streamline development and improve consistency.

**Optimization:**

Optimize the website's performance by minifying CSS and JavaScript, compressing images, and implementing other best practices. Ensure fast loading times and a smooth user experience.

**Accessibility:**

Make the website accessible to people with disabilities by adhering to web accessibility standards (e.g., WCAG). Add and format content, such as text, images, videos, and other media elements.

**Deployment:**

Deploy the frontend code to a web server or hosting platform. Ensure that domain names and server settings are correctly configured. Use version control systems (e.g., Git) to manage and track changes to the codebase.

**Monitoring and Maintenance:**

Continuously monitor the website's performance and user feedback. Perform regular updates and maintenance to address issues and make improvements. Document the frontend code and design decisions for reference and future maintenance.







