**Design**

**Wireframe (Website Layout Sketch)**

* The **Typing Speed Tester** website consists of multiple sections with a structured UI.
* **Main sections include:**
  1. **Navigation Bar** – Contains a logo, links to "Home," "About Us," "References," and a "Contact Us" button.
  2. **Typing Test Interface** – Displays the text users need to type, a text input field, a timer, and a results section.
  3. **About Us Page** – Introduces team members and their roles.
  4. **Contact Page** – A form to send messages, along with contact details.
  5. **References Page** – Lists sources and tools used in development.

**Chosen Technologies**

| **Component** | **Technology Used** |
| --- | --- |
| **Front-End** | HTML, CSS (Bootstrap), JavaScript |
| **Back-End** *(Not Required for Now)* | No database or server needed |
| **Styling & Layout** | Custom CSS with gradients and responsive design |
| **Interactivity** | JavaScript for typing test logic (WPM, accuracy, timer) |
| **Version Control** | GitHub (for tracking code changes) |
| **Project Management** | GitHub Projects (to track tasks) |

**Key Design Decisions**

1. **Navigation Bar**
   * Implemented using Bootstrap for responsiveness.
   * Includes a brand logo and navigation links.
2. **Typing Speed Tester Interface**
   * Uses a **container** for central alignment.
   * Features a **gradient background** for a professional look.
   * Displays typing text, input field, timer, WPM, and accuracy.
3. **Color Scheme & Styling**
   * **Navbar:** Gradient from mint green to peach (#5db272, #c1756e).
   * **Background:** Gradient for a smooth UI (#64b171, #b69964).
   * **Buttons:** Soft peachy tones for a professional touch.
   * **Text Highlights:** Green for correct characters, red for incorrect ones.
4. **Responsiveness**
   * Uses **CSS Flexbox & Grid** for layout adaptability.
   * **Media queries** ensure a smooth experience on phones and tablets.

**GitHub Project Tracking**

* The team uses **GitHub Projects** to manage the design phase.
* Tasks are assigned based on sections:
  + **Manpreet Singh** – JavaScript logic (typing test, timer, results).
  + **Manraj Singh** – CSS styling and responsiveness.
  + **Maithali Aggrawal** – HTML structure and layout design.
  + **Nimish Sharma** – Page linking and navigation.
  + **Anshul Verma** – Documentation and project deployment.
* Regular **commits** and **pull requests** are reviewed.

**Conclusion**

The **Typing Speed Tester** follows a clean and structured **design blueprint** that prioritizes **ease of use, responsiveness, and real-time functionality**. The interface ensures a smooth **user experience across all devices**.