**Typing Speed Tester – Project Plan**

**1. Planning (Understanding the Goal)**

* **Purpose of the Project:** Develop an interactive typing speed tester that measures **words per minute (WPM)** and **accuracy** while ensuring a smooth user experience.
* **Problem Solved:** Enhances typing skills, tracks user progress, and provides real-time feedback.
* **Team Discussion & Responsibilities:**
  + Assign specific roles for development, design, testing, and documentation.
  + Ensure regular team meetings for progress tracking.
* **Project Roadmap:** Faculty members should ensure that the team outlines **major milestones** and a clear development timeline.

**2. Team Members & Roles**

* **Manpreet Singh** – Project Manager & Backend Developer
* **Manraj Singh** – UI/UX Designer & Frontend Developer
* **Maithali Aggrawal** – Frontend Developer & Tester
* **Nimish Sharma** – JavaScript & Functionality Developer
* **Anshul Verma** – Documentation & Deployment Manager

**3. Features & Functionalities**

* **Random Sentence Generation:** Users get a new typing test every time.
* **WPM Calculation:** Tracks how fast the user types.
* **Accuracy Tracking:** Ensures that errors cannot be deleted and impact the final score.
* **Time Limit Selection:** Users can choose between **30s, 60s, or 120s** time frames.
* **Responsive Design:** Works seamlessly on desktops, tablets, and mobile screens.
* **Leaderboard (Future Enhancement):** Can be added later to rank users based on performance.

**4. Project Milestones**

| **Phase** | **Task Description** | **Deadline** |
| --- | --- | --- |
| **Phase 1** | Project Planning & Role Assignment | [26March2025] |
| **Phase 2** | UI/UX Design & Basic HTML/CSS Setup | [26March2025] |
| **Phase 3** | JavaScript Functionality for Typing Test | [28March2025] |
| **Phase 4** | Testing & Bug Fixing | [1 April 2025] |
| **Phase 5** | Final Review & Deployment | [2April 2025] |

**5. Tools & Technologies Used**

* **Frontend:** HTML, CSS, Bootstrap
* **Backend & Functionality:** JavaScript
* **Testing:** Chrome DevTools, Manual Testing
* **Deployment:** GitHub Pages ([yourusername.github.io/your-repo-name](https://yourusername.github.io/your-repo-name))

**6. Deployment Process (GitHub Pages)**

1. **Create a GitHub Repository:** Push all project files.
2. **Enable GitHub Pages:**
   * Go to **Settings → Pages**
   * Select the main branch and save.
3. **Get the Live Link:** Share with users for testing.

**7. Conclusion & Next Steps**

* **Final Testing & Optimization**: Ensure the application runs smoothly on all devices.
* **Feedback Collection**: Gather insights from users to improve the experience.
* **Future Enhancements**: Add more difficulty levels, themes, and a competitive leaderboard.