Implementation – Bringing It to Life\*

With the design ready, we moved on to coding.

### \*Step 1: Frontend (User Interface)\*

- \*HTML\*: Lays out the structure.

- \*CSS\*: Adds style, colors, and animations.

- \*JavaScript\*: Adds interactivity, including timers, progress bar, and popups.

### \*Step 2: Backend (Making it Work)\*

- \*Node.js & Express.js\*: Handle user authentication.

- \*MongoDB/Firebase\*: Store test data and results.

### \*Step 3: Connecting Everything\*

- User data is stored in the database after signup.

- After login, the dashboard fetches upcoming tests.

- When a test is submitted, the report is generated in real time.

**### Step4: Commit and Push Changes to GitHub After Each Step**

Version control is maintained using GitHub. Best practices include:

* Committing changes after completing a specific feature.
* Writing clear commit messages explaining modifications.
* Using GitHub Issues and Projects to track progress.