

Full-Stack Project Analysis

Project pitch

Title: MR Typer

Description: MR Typer allows users to register, log in, and track their typing progress. Users can take typing tests, compete with others in real-time, and view their rankings on the leaderboard. They can also participate in tournaments to challenge their skills and aim for the top spot.

User Story

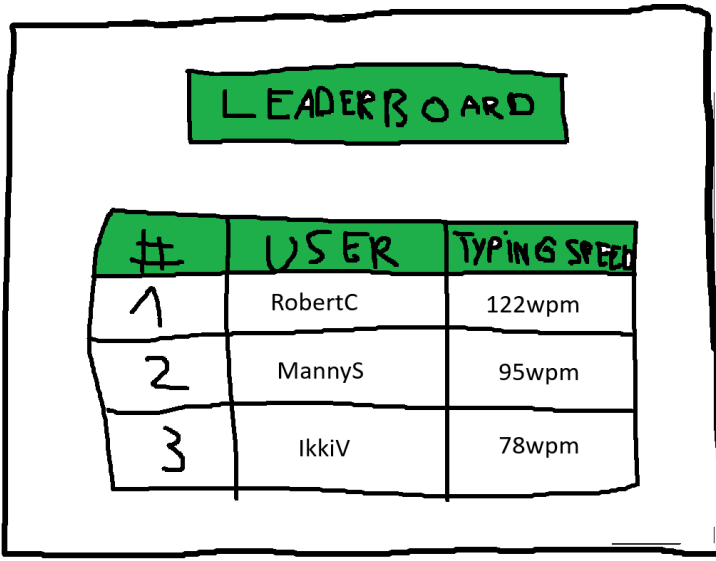
1. Story – view leaderboard

As a user,

I want to view the leaderboard,

so that I can see the top players and compare my progress with theirs.

Wireframe



#	USER	TYPING SPEED
1	RobertC	122wpm
2	MannyS	95wpm
3	IkkiV	78wpm

Acceptance criteria

- The leaderboard should display users with the highest typing speeds.
- Typing speed should be displayed in WPM (words per minute).
- The leaderboard should be accessible from the dashboard.

2. Story – login

As a user,

I want to log in to my account,

so that I can track my typing progress and improve my skills over time.

Wireframe

The wireframe shows a login interface within a rectangular frame. At the top center is a green button labeled 'Login'. Below it, the text 'Username' is followed by a white rectangular input field. Underneath that, the text 'Password' is followed by another white rectangular input field. At the bottom center of the form is a second green button labeled 'Login'.

Acceptance criteria

- If the username or password fields are left empty, an error message should prompt the user to fill in the required fields.
- Display a message for invalid credentials, like "Invalid username or password."
- The login button should remain disabled until both the username and password fields are filled.
- Upon entering correct credentials, the user should be redirected to the typing dashboard with a message like "Welcome back".

3. Story – register

As a user,

I want to register an account,

so that I can track my typing progress and improve my skills over time.

Wireframe

The wireframe shows a registration form layout. At the top is a green rectangular button with the text 'Register'. Below this button are three text input fields, each preceded by a label: 'Username', 'E-mail', and 'Password'. The input fields are represented by simple rectangular boxes. At the bottom of the form is another green rectangular button with the text 'Register'. The entire form is enclosed in a hand-drawn rectangular border.

Acceptance criteria

- If the username, email, or password fields are left empty, an error message should prompt the user to complete all fields.
- The email field should validate that a properly formatted email address is provided (e.g., "[example@domain.com](#)").
- Ensure the password meets certain criteria, such as minimum length, use of both letters and numbers, etc.
- The user should receive a confirmation message after successful registration.

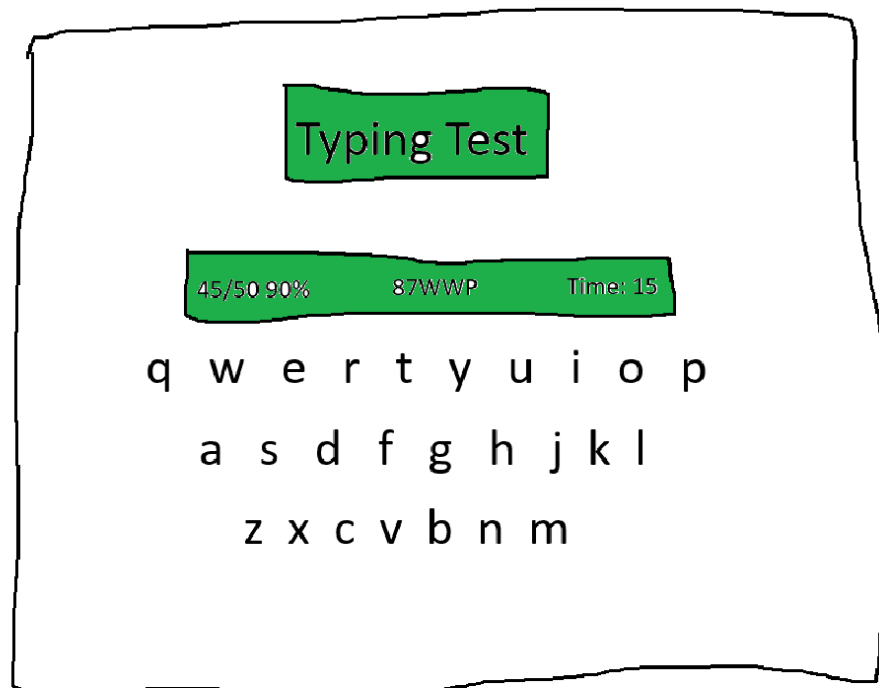
4. Story – Typing Test

As a user,

I want to take a typing test,

so that I can measure my typing speed and accuracy.

Wireframe



Acceptance criteria

- Display a passage for users to type within a set time limit.
- Track and display the user's typing speed in WPM during and after the test.
- Display the accuracy rate as a percentage (errors vs. correct entries).
- Provide an option to retake the test or exit to the dashboard after completion.

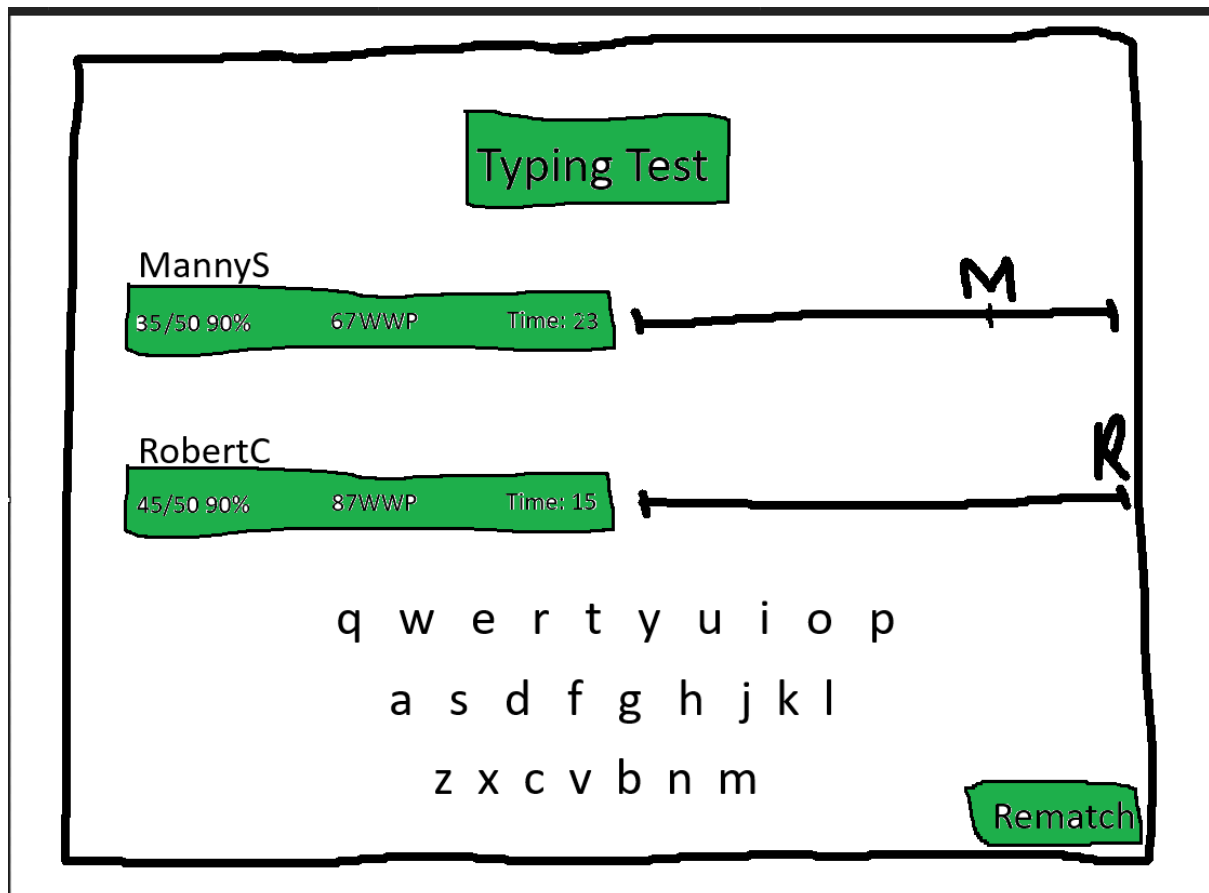
5. Story – Play Against Friends

As a user,

I want to challenge my friends to a typing match,

so that we can compete and see who types faster.

Wireframe



Acceptance criteria

- Allow users to invite friends to a real-time typing match via a link or friend invite.
- Both players' WPM and accuracy should be tracked in real-time during the match.
- Display the winner based on the highest WPM and accuracy after the match ends.
- Provide the option for a rematch or returning to the dashboard.

6. Story – Add profile to leaderboard

As a admin,

I want to add a profile to the leaderboard,

so that I can see the top players and add players to the list.

Wireframe

Leaderboard			
Add			
#	Username	Highest WPM	Role
1	RobertC	122wpm	player
2	MannyS	95wpm	admin
3	Ikkiv	78wpm	player

Acceptance criteria

- The leaderboard should display profiles with the highest typing speeds.
- Typing speed should be displayed in WPM (words per minute).
- The leaderboard should be accessible from the dashboard.
- Admins should have the ability to manually add users from the leaderboard.

