

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

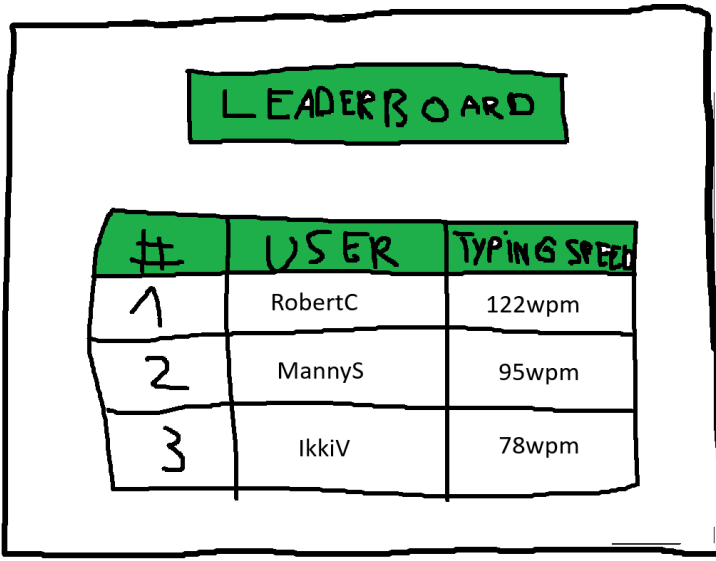
1. Story – view leaderboard

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".

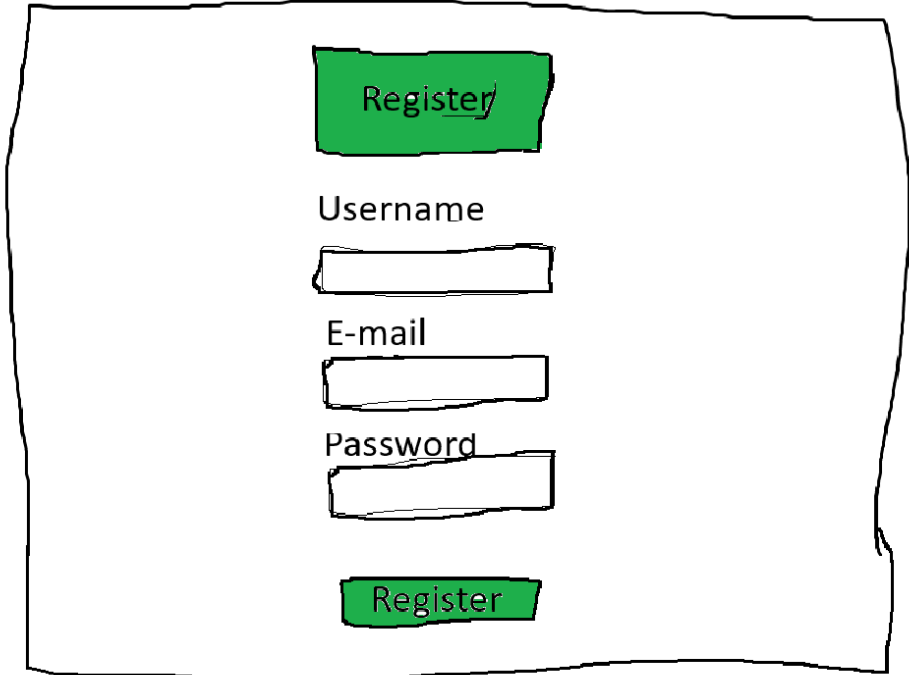
3. Story – register

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 with the following elements:

- A green button labeled "Register" at the top.
- A text label "Username" above a rectangular input field.
- A text label "E-mail" above a rectangular input field.
- A text label "Password" above a rectangular input field.
- A second green button labeled "Register" at the bottom.

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.

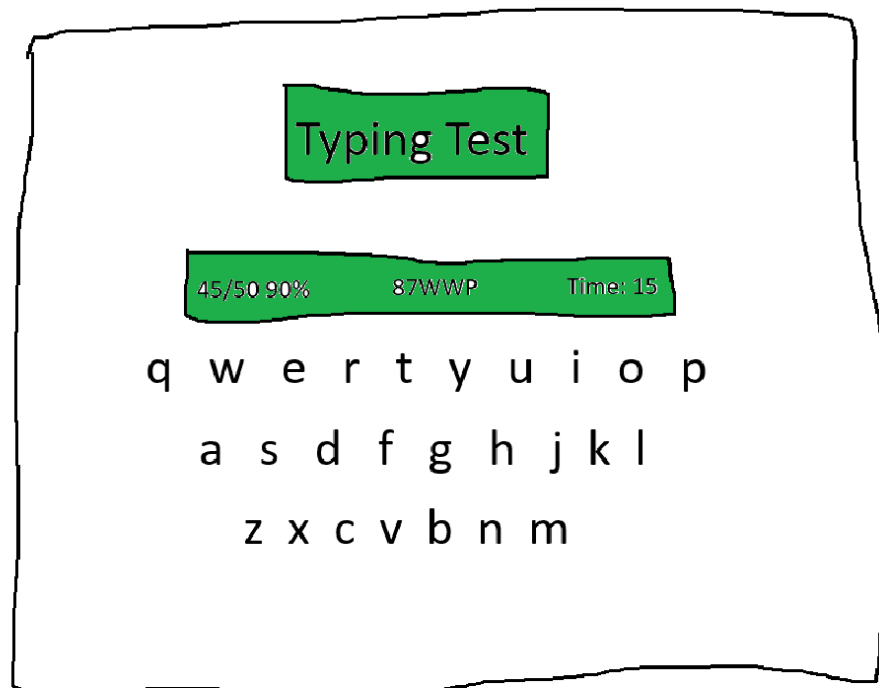
4. Story – Typing Test

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.

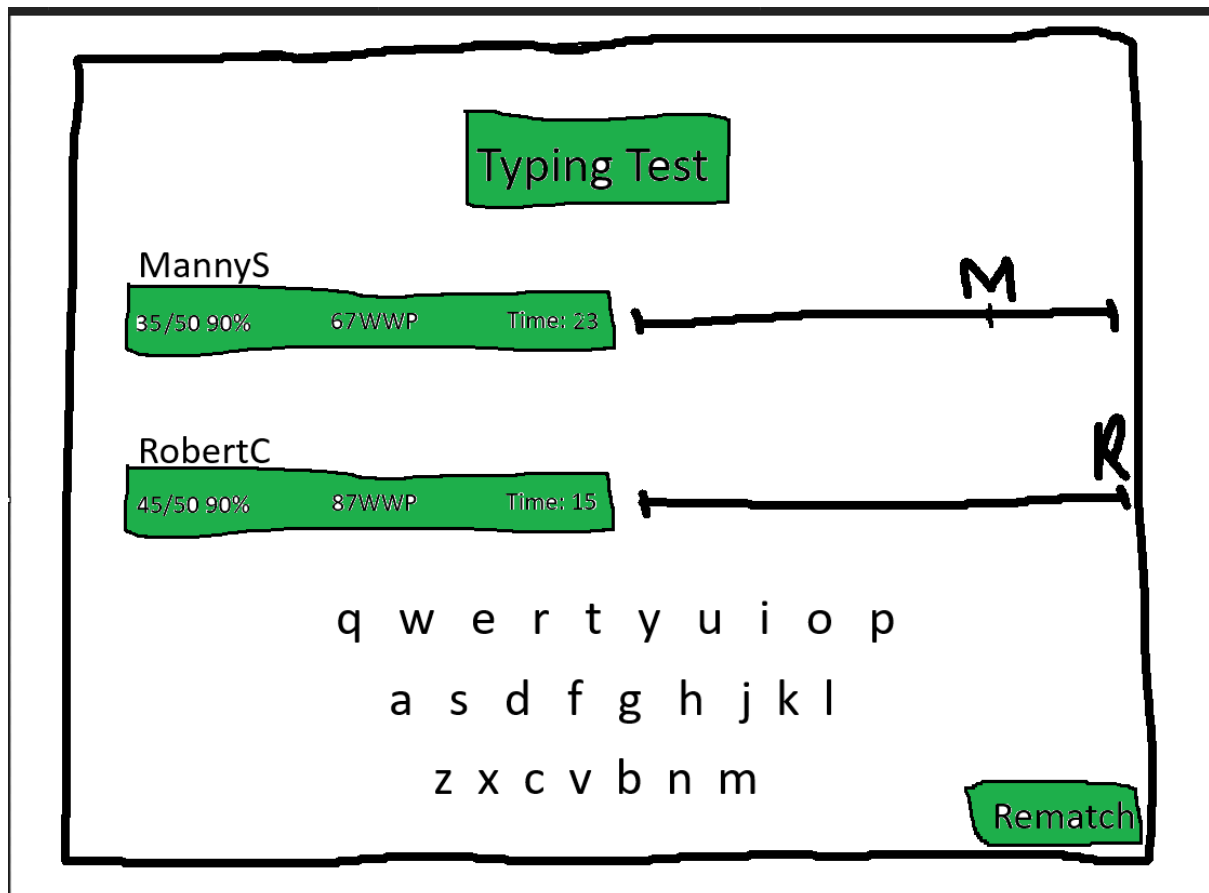
5. Story – Play Against Friends

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 – update leaderboard

As a admin,

I want to update the leaderboard,

so that I can see the top players and update the list when new users have a .

Wireframe

Leaderboard		
Update		
#	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.
- Admins should have the ability to manually update or remove users from the leaderboard.
- Only admins should be able to update the leaderboard, while regular users can only view it.
- The leaderboard should automatically update when new typing results are submitted.

