ACM Web Dev Project Report

I have decided to make a type speed checking app called typr, its built using [Shoelace UI](https://shoelace.style/) as the UI library. It uses a [random paragraph api](http://metaphorpsum.com/).

**Problems faced:**

1. Figuring out how to get each character as a unique element so that I can use it to make the characters highlight.
2. Capturing keyboard input and comparing that to the paragraph given to verify the accuracy of the user.
3. Finding a way to give proper feedback to the user to indicate where they’ve made mistakes and what they should type next

**Flow of app:**

1. The app first has a landing page with a short description of the app
2. Once you click the start test button, it loads up a random paragraph using the api and then indicates to the user that once they type the first character the test will start.
3. Once 30 seconds are done, the keyboard input is blocked and the user is shown a dialog box with relevant statistics and past records.

**JS concepts used:**

1. Objects and Object Constructors
2. Asynchronous Code
3. Working with APIs