



Web Developer Challenge October 2021

Instructions: Complete the challenge as described below and then respond to your challenge email with a link to a functioning demo and source code. Usage of framework and language documentation is permitted. We plan to conduct interviews and make hiring decisions in the next 2-3 weeks.

Scenario: A spy is trying to decrypt an encrypted code and needs a tool that lets them count the number of times a character appears in the text. Help them build a dashboard that uses a fast character counting algorithm that displays the number of characters in the text and the 5 most frequent characters.

Requirements:

Build a React web-app to let users count characters with the following limitations:

- The web-app has a text area.
- Text of any length may be entered in the text area. The web app should count and display the number of times each character appeared in the text.
- The character and their respective counts should be displayed in the order that the characters appeared in the original text.
- Web app should also highlight the 5 most frequent characters in the text.
- (*Bonus*) Use Tailwind CSS for any and all styling.

Evaluation:

You will be evaluated on the following criterias:

- Completion of your code—how well the final product matches with the given requirements.
- Code readability.
- Handling of edge cases, if any.