Take-home Assessment - Rubric

Category / Description	What are we looking for?
Correctness	● Passes all of our tests, and shows great attention to detail ● Goes above and beyond the requirements, such as handling validation of improper inputs, or completing bonus requirements and stretch goals (like deploying an application).
Code Organization, Readability & Maintainability	● Code utilizes a consistent design pattern. The code is well organized and would be easy to extend. Design made with consideration to potential future features. ● Code is easy to read - proper indentation, vertical spacing, named constants (no magic numbers), big picture comments, and meaningful variable names. You can investigate using a linter to help make your code properly formatted. ● There are small amounts of repeated code, and is well factored into functions. Related items are grouped into classes (or something equivalent like structs or objects).
Code Performance - Efficiency, Data Structures & Algorithms Best Practices & Proficiency in Language/ Framework	● Code that is performant (has a good time and space complexity for the problem given). Avoids unnecessary nested for loops, and uses the appropriate data structures and algorithms. ● Efficient code that reduces unnecessary code. ● Implements additional features to improve code performance such as (but not limited to) caching, parallel API requests, reducing re-rendering on the front-end, memoization, and other code performance techniques. ● Utilizes great programming practices such proper unit testing, reduced warnings, and defensive coding strategies (validation, asserts). ● Demonstrate a good grasp of the language and/or framework. Avoids major anti-patterns in the project (using let vs. const in Javascript, modifying the DOM in React, etc.) ● Utilizes the most advanced features in the framework (for example using functional components, Hooks in React). ● Properly replicates the styling spec provided, for a front end assessment.
Completion Speed	● A fast completion time. This category is the least important category, so prioritize it the least. We will consider speed with respect to the complexity of your solution. You will receive a low mark in completion if you completed the application slowly and your solution is not complex.
A note about plagiarism: any submission that copies another person's assessment posted online will be automatically disqualified.	