
BULLSFIRST EXERCISE INSTRUCTIONS

At Sapien, we take great pride in tackling complex problems and creating solutions that are innovative and impactful. To deliver on that promise, we follow best practices in developing applications, e.g. having a well-defined directory structure, writing modular CSS and JavaScript and driving development via tests.

Given our bar for quality, we have high expectations from anyone wishing to join Sapien. Please use all the allocated time to craft a solution that you can be proud of and help us evaluate you in the best light.

INSTRUCTIONS

Bullsfirst is a mock trading application. Your exercise contains a working solution for the dashboard page, built using AngularJS. However, the solution contains lot of bad practices. For example:

1. The code is not very modular.
2. It is not organized to scale up as the application grows.
3. There are many code smells in the HTML, CSS and JavaScript parts of the application.
4. The solution does not capture the essence of the visual design (see Bullsfirst Exercise.png).
5. There are no tests.

It's time to clean up and enhance this solution. Your task is to identify all the possible bad practices and code smells and to fix them. Be sure to keep the solution as a client-side single-page app – don't use server-side technologies such as Express and ASP.NET. Feel free to use Angular 2 if you are familiar with it.

DELIVERABLES

1. Modify the source to fix as many bad practices and code smells as you can.
2. Add a README.md file that lists every bad practice and code smell that you have identified. For each item, describe in a few sentences why something was bad and how you fixed it (or how you might fix it given more time).
3. If you have added a build process, please add build instructions to README.md.
4. Make note of any visual design enhancements you made to capture the intended design within README.md.

Zip up the deliverables into a single file and send it to your hiring contact.