REACT DEVELOPER

Hello, thank you for applying to our **React Developer** opening 😃.
We conduct a code test to see your skills, professional experience and best practices
first handed. Read the instructions and once you have finished your test, our
technical team will review it and share their feedback.

📌*Important details*

- You have a maximum of **72 hours** to complete the exercise.
- Remember to share the **public repository** with your recruiter.
- Send a **1-minute video** on MP4 format showing your code working.
- Don't forget to include a **detailed documentation** of your code.
- If you have any questions contact: mariana.rubio@designli.co or diego.morales@designli.co

📌*Instructions:*

- You can choose either of the two exercises. **Follow the instructions** and if you want to propose something else, you have room to unleash your creativity and tech experience👍.

The easy one:

1. Create a React app (Typescript) for showing stock data in real time using Finnhub Stock APIs
2. The app should have 3 components:
   a. Left form: A form with 2 fields, a dropdown to select a stock to watch and an input for price alert.
   b. Top cards (similar to Finnhu home), for showing the stock name, the value and the margin change as a percentage.
   c. A graph for plotting the value of all stock added in dollar value.
3. For real time tracking use Sockets API
4. For top cards, use red if the value is below the alert value and green if above.

The real challenge:

1. Same easy exercise but as a PWA
2. Manage the websocket connection in background and save the values in local storage to quickly plot when open the PWA
3. Send a webpush notification when price go below the alert level.

**Thank you for your time invested in our selection process. Our
team will review your test as soon as possible.**