Sensibull assignment

The app consists of two views, each utilizing the APIs and websockets connections listed in the api docs. Please refer to the api docs for url and payload details.

Tasks

Screenshots

Underlyings Page	Derivatives Page
TATAMOTORS: 735.72 [show derivatives ->] EXXON: 6369.87 [show derivatives ->] FORD: 70.00 [show derivatives ->] BANKNIFTY: 55152.30 [show derivatives ->]	<-back TATAMOTORS20JunFUT: 925.85 TATAMOTORS20Jun420.00CE: 52.76 TATAMOTORS20Jun420.00PE: 49.68 TATAMOTORS20Jun425.00CE: 49.25 TATAMOTORS20Jun425.00PE: 48.53 TATAMOTORS20Jun415.00CE: 57.25 TATAMOTORS20Jun415.00PE: 55.60

The app has 2 pages underlyings and derivatives

Underlyings Page

- A rough sketch of the expected view shown under Screenshots -> Underlyings Page
- Show a list of underlyings fetched from an API.
- Subscribe to the prices of each underlying using websockets.
- Show a button which on click, navigates to derivatives page for that underlying

Derivatives Page

- A rough sketch of the expected view shown under Screenshots -> Derivatives Page
- Load derivatives from an API based on the selected underlying.
- Subscribe to the prices of each derivative using websockets and display in ui

Additional Requirements

- Poll underlyings api every **10 minutes**.
- Poll derivatives api every **30 seconds**.
- Only subscribe to a underlying or derivative price when present on the page. i.e unsubscribe when navigating away.
- Handle websocket disconnects and re-connections.

Optional

Please add a few notes on how the current implementation can be improved, if this was a production application.

Other Constraints

- This app must be written using react with redux
- The app works and satisfies the requirements outlined above.
- Making the UI Look nice is not required for this task - legible text and usable UI is enough.
- Please ensure that the coding conventions, directory structure and build approach to your project follow the common conventions.
- Use Git for version control. We expect you to send us a standard zip or tarball of your source code when you're done that includes Git metadata (the .git folder) in the tarball so we can look at your commit logs and understand how your solution evolved. Frequent commits are a huge plus
- **Do not make either your solution or this problem statement publicly available by, for example, using GitHub or bitbucket or by posting this problem to a blog or forum**
- Please make sure that the code has the necessary instructions to build the app
- Please include a file detailing any design / architecture and any potential improvement if needed

Deliverables

The submission shall consist of a zipped folder of source code for the entire app.

Please do not send a github or bitbucket link.