

React provides an easy way to implement state management within a component using the `useState` hook. However as applications grow larger a global state solution that easily shares state across multiple components becomes increasingly useful.

There are popular packages that implement a `GlobalState` for your React applications. We have written our own simple implementation of a `GlobalState` in the attached file. It makes using state across React components easy, and allows for using the state even outside of React components.

We would like to ask you to make a TODO list app which:

- Technical;
  - is based on the Proof-of-Concept attached (incl. Context & Hooks);
  - which allows a user to add, edit, check and delete items from the list;
  - where all items are stored in `GlobalState` (they don't need to persist after a refresh);
- UI;
  - optionally making use of a component library (for example Material-UI);
  - with a design after your own heart;
  - the app contains multiple pages;
  - one of these pages is the TODO list;
  - contents of the other pages are not important (lorem ipsum);
  - Please make sure it is mobile friendly.

This assignment may take anywhere from 3 to 12 hours, depending on your prior experience with React, without investing significant time in the 'design after your own heart'.

Please don't hesitate to make use of all means which are available to you, including us, to bring this assignment to a proper end!

Track how much time you took for the assignment. Also mention if and how you used AI.