# Instructions for the practical test

* Create a UI dashboard app in ReactJS from Figma design [Link](https://www.figma.com/file/pBR3NJonRNkcznX6KTLGlT/Interview-Test?node-id=0%3A1&mode=dev)
* Create a backend app with NodeJS to provide the data for the dashboard using APIs. Use the attached **sales.json** file as a data source for APIs, don't use a database to store and retrieve the data.
* While implementing UI and Backend, please look at the tasks defined bellow. Tasks marked as **Required Task:** are mandatory while **Bonus Task:** are optional, and will provide bonus points, if completed.
* If you run into any doubt while implementing the tasks, and the specifics for it is not mentioned in the task list or design, please use your best judgement to complete the task.
* Upon completion, upload the code to a public GitHub repo and share the link as the result.

### **UI Tasks:**

* **Required Task:** Create a dashboard from the Figma design using ReactJS
* **Required Task:** Allow to select a state from the state selection dropdown - Fetch the list of states from the NodeJS API(Ref: Backend Task 1) - By default first state is selected
* **Required Task:** Allow to select time(From and To) from the time selection dropdowns – Bind minimum of Order Date to “From” and maximum of order date to “To” time selection
* **Bonus Task:** As per the earlier selections fetch data from API and bind with Cards Numbers and Charts on the dashboard
* **Bonus Task:** Allow to expand and collapse the left side Navigation bar
* **Bonus Task:** Allow to switch between Light and Dark theme from sidebar
* **Bonus Task:** Allow the layout to be responsive according to the device width
* **Bonus Task:** Use typescript to code the React App

### **Backend Tasks:**

* **Required Task:** Create an API to provide list of states for the selection dropdown
* **Required Task:** Create an API to provide minimum and maximum dates for a state - Consider selected state as input
* **Bonus Task:** Create an API to provide the data for charts and cards in the dashboard - Consider selected Customer ID and selected minimum and maximum dates input and do a sum of all numbers to show numbers in charts and cards
* **Bonus Task:** Use typescript to code the NodeJS app

### **For Your Information:**

- You are allowed to use any UI library like React Material or Bootstrap to implement the UI. However, please keep in mind that the evaluation will be based on how closely you've matched the actual implementation with the design shared.

- You can use any charting library to add the charts required for the UI. Recommended library is ECharts - https://www.npmjs.com/package/echarts-for-react