**Christian Dominic P. Tabelon**

**PART 1:**

**Component in React**:

The Components in React is where you break down big applications features into smaller parts like the navbar or the sidebar in a big component that is the app components in the file. This will make designing the app easier

**JSX and Component**

Jsx file is a component in react that compiles faster and make the file size smaller the code is also optimized are all merged in one file to run. The errors can also be seen in the console in the browsers inspect console.

**Props**

The props are where you pass a component to another component where we can use the components again if needed be like the header and the footer.

**States**

States is a component where it enables you to design interactions that can respond to the user. The state is where you find the state object is keep component-specific property values stored.

**Contrast state and Props**

The props are a method for passing data or characteristics from one component to another, while the state is the real-time data available for use within that single component.

**SPA**

In my opinion They offer a consistent user experience and can boost performance by lowering the number of HTTP queries.
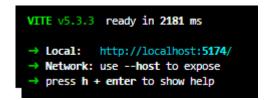
**CSR**

CSR is a useful approach for boosting React web application performance. By delegating rendering to the client

**Part 2:**

**SCREENSHOTS**

Run the code using npm run dev





In the Task list we can see a number of people with their task descriptions and with their names

**Task List**

**Tasks**

Search tasks

| No. | Task Description | Assigne | |
|-----|------------------|---------|--|
| 1 | Interviewing | Josh | Toggle Status |
| 2 | Compiling | Dale | Toggle Status |
| 3 | Documentation | Leigh | Toggle Status |
| 4 | Coding | Patrice | Toggle Status |
| 5 | Planning | Jeff | Toggle Status |
| 6 | Organizing | Jethan | Toggle Status |

The Search filter will only search what task is the person doing and cannot search the person.

**Tasks**

Josh

| No. | Task Description | Assignee | Deadline | Status |
|-----|------------------|----------|----------|--------|

Toggle the status to mark the assigned individual as pending work and will show when is the deadline

**Tasks**

Coding

| No. | Task Description | Assigned Individual | | | |
|-----|------------------|---------------------|--|--|--|
| 1 | Interviewing | Josh | 2024-03-15 | Pending | Toggle Status |
| 2 | Compiling | Dale | 2024-03-20 | Pending | Toggle Status |
| 3 | Documentation | Leigh | 2024-03-12 | Pending | Toggle Status |
| 4 | Coding | Patrice | 2024-03-18 | Pending | Toggle Status |
| | | | | | Toggle |

Toggle the status button again and the assignee will be marked as completed

# Tasks

Coding

| No. | Task Description | Assigned Individual | | | | |
|-----|------------------|---------------------|---|---|---|---|
| 1 | Interviewing | Josh | 2024-03-15 | Pending | | Toggle Status |
| 2 | Compiling | Dale | 2024-03-20 | Pending | | Toggle Status |
| 3 | Documentation | Leigh | | Completed | | Toggle Status |
| 4 | Coding | Patrice | | Completed | | Toggle Status |
| 5 | Planning | Jeff | | | | Toggle |