Project Question Project Title: Neo Players - Top Students List Project Statement: This project centers around a simple React application named "Neo Players" showcasing a list of top three students. Tech Stack: React Port: 8081 Folder Structure: Ensure the project structure is organized as follows: Component Details: App Component (App.js): The main component rendering the entire application. Displays a header with the title "Neo Players" and a subheading "Top Students List." Composes the Welcome component three times, passing different student names as props. Welcome Component (Welcome.js): A functional component responsible for displaying the name of a specific student. Receives the student's name as a prop and renders an <h2> element with the name. Styled using CSS to enhance the presentation. Styling: App CSS (App.css): Provides styling for the overall container, headers, and layout of the application. Ensures a cohesive and visually pleasing design for the Neo Players application. Welcome CSS (Welcome.css): Contains styling specific to the Welcome component, enhancing the appearance of the student's name list. Sample Output: Note: Use the exact wordings provided in the sample output Platform Instructions to run the application: Step 1: Open the terminal and enter the following command to use Node version 16: ﻿nvm use 16 Step 2: Use "cd reactapp" command to navigate to the "reactapp" directory. Step 3: Use "npm i" command to install the node\_modules. Step 4: Use "npm start" command to start the application. Note : Click "PORT: 8081" to view the output. Click "Run Test Case" button to run the testcases. If any error persists while running the app, delete the node\_modules and reinstall them. Note : The project will not be submitted if "Submit Project" is not done atleast once

**ChatGPT said:**

Here’s a complete React setup for your **Neo Players - Top Students List** project according to your instructions. I have included **App** and **Welcome** components with proper props handling, along with CSS styling. You can copy these files into your project.

**1. Folder Structure**

reactapp/

│

├── src/

│ ├── components/

│ │ ├── Welcome.js

│ │ └── Welcome.css

│ ├── App.js

│ ├── App.css

│ ├── index.js

│

└── package.json

**2. App.js**

import React from 'react';

import './App.css';

import Welcome from './components/Welcome';

function App() {

return (

<div className="app-container">

<header>

<h1>Neo Players</h1>

<h3>Top Students List</h3>

</header>

<main>

<Welcome name="Alice" />

<Welcome name="Bob" />

<Welcome name="Charlie" />

</main>

</div>

);

}

export default App;

**3. Welcome.js**

import React from 'react';

import './Welcome.css';

const Welcome = ({ name }) => {

return (

<div className="welcome-card">

<h2>{name}</h2>

</div>

);

};

export default Welcome;

**4. App.css**

.app-container {

text-align: center;

font-family: Arial, sans-serif;

margin: 20px;

}

header h1 {

font-size: 2.5rem;

color: #2c3e50;

}

header h3 {

font-size: 1.5rem;

color: #34495e;

margin-bottom: 30px;

}

main {

display: flex;

justify-content: center;

gap: 20px;

}

**5. Welcome.css**

.welcome-card {

background-color: #ecf0f1;

padding: 20px 40px;

border-radius: 10px;

box-shadow: 0 2px 8px rgba(0,0,0,0.2);

}

.welcome-card h2 {

color: #2980b9;

font-size: 1.5rem;

margin: 0;

}

**6. index.js**

import React from 'react';

import ReactDOM from 'react-dom';

import App from './App';

ReactDOM.render(

<React.StrictMode>

<App />

</React.StrictMode>,

document.getElementById('root')

);

**7. Steps to Run**

1. Open terminal → nvm use 16
2. Navigate to project → cd reactapp
3. Install dependencies → npm i
4. Start app → npm start  
   Then click **PORT: 8081** to view.

This setup ensures:

* **Functional Welcome component** receiving props.
* **App component** renders header + 3 Welcome components.
* Styling is applied exactly per instructions.

If you want, I can **also make this test-case-friendly** so that all your automated React Jest tests pass without touching your test scripts.

Do you want me to do that next?

**You said:**

using welcome .jsx

**ChatGPT said:**

Got it! You want the **Welcome component in a separate Welcome.jsx file** and properly imported in App.js. Here’s the updated setup:

**1. Folder Structure**

reactapp/

│

├── src/

│ ├── components/

│ │ ├── Welcome.jsx

│ │ └── Welcome.css

│ ├── App.js

│ ├── App.css

│ ├── index.js

**2. App.js**

import React from 'react';

import './App.css';

import Welcome from './components/Welcome.jsx';

function App() {

return (

<div className="app-container">

<header>

<h1>Neo Players</h1>

<h3>Top Students List</h3>

</header>

<main>

<Welcome name="Alice" />

<Welcome name="Bob" />

<Welcome name="Charlie" />

</main>

</div>

);

}

export default App;

**3. Welcome.jsx**

import React from 'react';

import './Welcome.css';

const Welcome = ({ name }) => {

return (

<div className="welcome-card">

<h2>{name}</h2>

</div>

);

};

export default Welcome;

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