

Task – React Components with Props, State & Bootstrap

Project Structure

```
src/
|-- App.js    // Main Component
|-- components/
|   |-- Navbar.js
|   |-- Home.js
|   |-- About.js
|   |-- Contact.js
|   |-- Services.js
|-- index.js
```

Task Requirements

Main Component (App.js)

- Import **Bootstrap** CSS in `index.js`:

```
import 'bootstrap/dist/css/bootstrap.min.css';
```

- Render **Navbar** at the top (used across all components).
- Render **Home**, **About**, **Contact**, and **Services** components.
- Create and pass:
 - **userData** (props for About)
 - **serviceData** (props for Services)

Component Details

1. **Home Component** (*Functional*)
 2. Heading + Image.
 3. Simple welcome text.
4. **About Component** (*Functional*)
 5. Heading + Image.
 6. Receives **userData** via props:

```
const userData = {  
  name: "Pratik",  
  email: "pratik@gmail.com",  
  role: "MERN Developer"  
};
```

7. Display data in a Bootstrap card.

8. **Contact Component** (*Class*)

9. Heading + Image.

10. Define **state**:

```
state = {  
  phone: "123-456-7890",  
  address: "Pune, Maharashtra"  
};
```

11. Display state data in a Bootstrap card.

12. **Services Component** (*Class*)

13. Heading + Image.

14. Receives **serviceData** via props:

```
const serviceData = {  
  service1: "Web Development",  
  service2: "App Development",  
  service3: "UI/UX Design"  
};
```

15. Display props data in a Bootstrap card.

16. **Navbar Component** (*Functional*)

17. Create a Bootstrap Navbar with app name/logo.

18. Include links: Home, About, Contact, Services (no navigation required).

Requirements

- Use **Bootstrap** for styling/layout.
- All components must include the **Navbar**.
- Functional: Home, About.

- Class: Contact (state), Services (props).
 - Practice passing props to both functional and class components.
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Benefits

- Understanding **JSX**.
 - Working with functional & class components.
 - Passing **props** to both component types.
 - Using **state** in class components.
 - Bootstrap integration.
 - Component reusability.
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Submission: Create a zip file excluding `node_modules` and send it to pratik08sabale@gmail.com.

Happy Coding!