

Week7_12_ReactJS_HOL

Creating the app

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

Active code page: 65001

C:\Users\veert\OneDrive\Desktop\javanew>npx create-react-app ticketbookingapp\

Creating a new React app in C:\Users\veert\OneDrive\Desktop\javanew\ticketbookingapp.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1323 packages in 45s

269 packages are looking for funding
  run `npm fund` for details

Initialized a git repository.

Installing template dependencies using npm...

added 17 packages, and changed 1 package in 6s

269 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...
```

Folder Structure

```
EXPLORER

JAVANEW
├── ticketbookingapp
│   ├── node_modules
│   ├── public
│   └── src
│       ├── Components
│       │   ├── Guest.js
│       │   ├── User.js
│       │   ├── App.css
│       │   ├── App.js
│       │   ├── App.test.js
│       │   ├── index.css
│       │   ├── index.js
│       │   ├── logo.svg
│       │   ├── reportWebVitals.js
│       │   └── setupTests.js
│       ├── .gitignore
│       ├── package-lock.json
│       ├── package.json
│       └── README.md
```

Guest.js

```
ticketbookingapp > src > Components > JS Guest.js > ...
1  import React from 'react';
2
3  const Guest = () => {
4    return (
5      <div>
6        <h2>Welcome, Guest!</h2>
7        <p>Here are the available flights:</p>
8        <ul>
9          <li>Delhi → Mumbai</li>
10         <li>Bangalore → Chennai</li>
11         <li>Hyderabad → Kolkata</li>
12       </ul>
13       <p>Please login to book tickets.</p>
14     </div>
15   );
16 };
17
18 export default Guest;
19
```

User.js

```
ticketbookingapp > src > Components > JS User.js > ...
1  import React from 'react';
2
3  const User = () => {
4    return (
5      <div>
6        <h2>Welcome, User!</h2>
7        <p>You can now book tickets:</p>
8        <ul>
9          <li>Delhi → Mumbai <button>Book</button></li>
10         <li>Bangalore → Chennai <button>Book</button></li>
11         <li>Hyderabad → Kolkata <button>Book</button></li>
12       </ul>
13     </div>
14   );
15 };
16
17 export default User;
18
```

App.js

```
ticketbookingapp > src > JS App.js > ...
1  import React, { useState } from 'react';
2  import Guest from './Components/Guest';
3  import User from './Components/User';
4
5  function App() {
6    const [isLoggedIn, setIsLoggedIn] = useState(false);
7
8    const toggleLogin = () => {
9      setIsLoggedIn(!isLoggedIn);
10   };
11
12   let content = isLoggedIn ? <User /> : <Guest />;
13
14   return (
15     <div className="App">
16       <button onClick={toggleLogin}>
17         {isLoggedIn ? 'Logout' : 'Login'}
18       </button>
19       {content}
20     </div>
21   );
22 }
23
24 export default App;
25
```

Starting the app

You can now view **ticketbookingapp** in the browser.

Local: `http://localhost:3000`

On Your Network: `http://192.168.56.1:3000`

Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled **successfully**



Login

Welcome, Guest!

Here are the available flights:

- Delhi → Mumbai
- Bangalore → Chennai
- Hyderabad → Kolkata

Please login to book tickets.

Logout

Welcome, User!

You can now book tickets:

- Delhi → Mumbai
- Bangalore → Chennai
- Hyderabad → Kolkata