

12.ReactJS-Handson

Initializing and creating npm-app

```
PS C:\Users\KIIT> npx create-react-app ticketbookingapp

Creating a new React app in C:\Users\KIIT\ticketbookingapp.

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

added 1324 packages in 1m

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 8s

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

removed 1 package, and audited 1341 packages in 6s

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

9 vulnerabilities (3 moderate, 6 high)

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.

Created git commit.

Success! Created ticketbookingapp at C:\Users\KIIT\ticketbookingapp
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd ticketbookingapp
  npm start

Happy hacking!
PS C:\Users\KIIT> cd ticketbookingapp
PS C:\Users\KIIT\ticketbookingapp> code .
```

Code in src/Components/GuestPage

```
src > components > JS GuestPage.js > ...
1  import React from "react";
2
3  function GuestPage() {
4    return (
5      <div>
6        <h2>✈ Welcome Guest!</h2>
7        <p>Here are today's available flights:</p>
8        <ul>
9          <li>IndiGo ✈ BLR ➡ DEL ✈ ₹4,000</li>
10         <li>Air India ✈ HYD ➡ BOM ✈ ₹3,500</li>
11         <li>Vistara ✈ DEL ➡ GOA ✈ ₹5,500</li>
12       </ul>
13       <p><strong>Login to book your ticket!</strong></p>
14     </div>
15   );
16 }
17
18 export default GuestPage;
19
```

Code in src/Components/UserPage.js

```
src > components > JS UserPage.js > ...
1  import React from "react";
2
3  function UserPage() {
4    return (
5      <div>
6        <h2> 🏠 Welcome Back, User!</h2>
7        <p>Book your ticket below:</p>
8        <form>
9          <label>Flight:
10            <select>
11              <option>IndiGo ✈ BLR ➡ DEL</option>
12              <option>Air India ✈ HYD ➡ BOM</option>
13              <option>Vistara ✈ DEL ➡ GOA</option>
14            </select>
15          </label><br /><br />
16          <label>Name: <input type="text" /></label><br /><br />
17          <button type="submit">Book Ticket</button>
18        </form>
19      </div>
20    );
21  }
22
23  export default UserPage;
```

Code in App.js

```
src > JS App.js > ...
1  import React, { useState } from "react";
2  import GuestPage from "../components/GuestPage";
3  import UserPage from "../components/UserPage";
4
5  function App() {
6    const [isLoggedIn, setIsLoggedIn] = useState(false);
7
8    // Toggle login status
9    const handleLogin = () => setIsLoggedIn(true);
10   const handleLogout = () => setIsLoggedIn(false);
11
12   // Element variable
13   let pageContent;
14
15   if (isLoggedIn) {
16     pageContent = <UserPage />;
17   } else {
18     pageContent = <GuestPage />;
19   }
20
21   return (
22     <div className="App" style={{ padding: "20px", fontFamily: "Arial" }}>
23       <h1> 🎫 Ticket Booking App</h1>
24
25       { /* Login/Logout Buttons */ }
26       {isLoggedIn ? (
27         <button onClick={handleLogout}>Logout</button>
28       ) : (
29         <button onClick={handleLogin}>Login</button>
30       )}
31
32       <hr />
33
34       { /* Conditionally rendered content */ }
35       {pageContent}
36     </div>
37   );
38 }
39
40 export default App;
```

Output:



Ticket Booking App

Login



Welcome Guest!

Here are today's available flights:

- IndiGo – BLR → DEL – ₹4,000
- Air India – HYD → BOM – ₹3,500
- Vistara – DEL → GOA – ₹5,500

Login to book your ticket!



Ticket Booking App

Logout



Welcome Back, User!

Book your ticket below:

Flight: ▼

Name:

Book Ticket