

## Week7\_13\_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 bloggerapp

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

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

added 1323 packages in 1m

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

Initialized a git repository.
```

### Folder Structure

```
EXPLORER

▼ JAVANEW
  ▼ bloggerapp
    > node_modules
    > public
    ▼ src
      ▼ components
        JS BlogDetails.js
        JS BookDetails.js
        JS CourseDetails.js
      # App.css
      JS App.js
      JS App.test.js
      # index.css
      JS index.js
      logo.svg
      JS reportWebVitals.js
      JS setupTests.js
      .gitignore
      {} package-lock.json
      {} package.json
      README.md
```

## BlogDetails.js

```
bloggerapp > src > components > JS BlogDetails.js > ...
1  import React from 'react';
2
3  const BlogDetails = () => {
4    const blogs = ['Why React is Popular', 'JSX Explained', 'React vs Angular'];
5
6    return (
7      <div>
8        <h2>Blog Details</h2>
9        <ul>
10         {blogs.map((blog, index) => (
11           <li key={index}>{blog}</li>
12         ))}
13       </ul>
14     </div>
15   );
16 };
17
18 export default BlogDetails;
19
```

## BookDetails.js

```
bloggerapp > src > components > JS BookDetails.js > ...
1  import React from 'react';
2
3  const BookDetails = () => {
4    const books = ['React Basics', 'JS Mastery', 'Learn Node'];
5
6    return (
7      <div>
8        <h2>Book Details</h2>
9        <ul>
10         {books.map((book, index) => (
11           <li key={index}>{book}</li>
12         ))}
13       </ul>
14     </div>
15   );
16 };
17
18 export default BookDetails;
19
```

## CourseDetails.js

```
bloggerapp > src > components > JS CourseDetails.js > ...
1  import React from 'react';
2
3  const CourseDetails = () => {
4    const courses = ['Frontend Development', 'Backend API Design', 'Full Stack Project'];
5
6    return (
7      <div>
8        <h2>Course Details</h2>
9        <ul>
10         {courses.map((course, index) => (
11           <li key={index}>{course}</li>
12         ))}
13       </ul>
14     </div>
15   );
16 };
17
18 export default CourseDetails;
19
```

## App.js

```
bloggerapp > src > JS App.js > App
1  import React, { useState } from 'react';
2  import BookDetails from './components/BookDetails';
3  import BlogDetails from './components/BlogDetails';
4  import CourseDetails from './components/CourseDetails';
5  function App() {
6    const [view, setView] = useState('book');
7    let element = null;
8    if (view === 'book') {
9      element = <BookDetails />;
10   } else if (view === 'blog') {
11     element = <BlogDetails />;
12   } else {
13     element = <CourseDetails />;
14   }
15   return (
16     <div className="App">
17       <h1>Blogger App</h1>
18       <div>
19         <button onClick={() => setView('book')}>Show Books</button>
20         <button onClick={() => setView('blog')}>Show Blogs</button>
21         <button onClick={() => setView('course')}>Show Courses</button>
22       </div>
23       <hr />
24       {element}
25       {view === 'blog' ? <BlogDetails /> : null}
26       {view === 'course' && <CourseDetails />}
27     </div>
28   );
29 }
30
31 export default App;
32
```

## Starting the app

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



## Output



# Blogger App

Show Books Show Blogs Show Courses

## Book Details

- React Basics
- JS Mastery
- Learn Node



# Blogger App

Show Books Show Blogs Show Courses

## Blog Details

- Why React is Popular
- JSX Explained
- React vs Angular

## Blog Details

- Why React is Popular
- JSX Explained
- React vs Angular

# Blogger App

Show Books Show Blogs Show Courses

## Course Details

- Frontend Development
- Backend API Design
- Full Stack Project

## Course Details

- Frontend Development
- Backend API Design
- Full Stack Project