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TRACK:JAVA FSE

Create a React App named “bloggerapp” in with 3 components.

1. Book Details
2. Blog Details
3. Course Details

Implement this with as many ways possible of Conditional Rendering.

Step 1:- Create a react project(bloggerapp)

```
Happy hacking!
PS C:\Users\DELL\OneDrive\Documents\cogni handson> npx create-react-app bloggerapp
>>

Creating a new React app in C:\Users\DELL\OneDrive\Documents\cogni handson\bloggerapp.

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

added 1323 packages in 5m

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

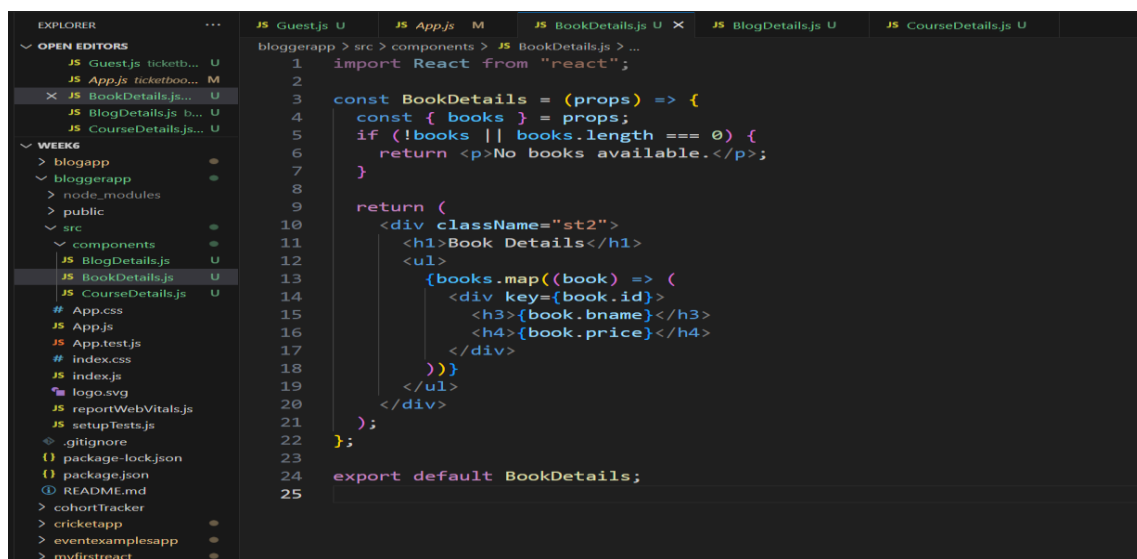
Initialized a git repository.

Installing template dependencies using npm...

added 17 packages, and changed 1 package in 22s

269 packages are looking for funding
```

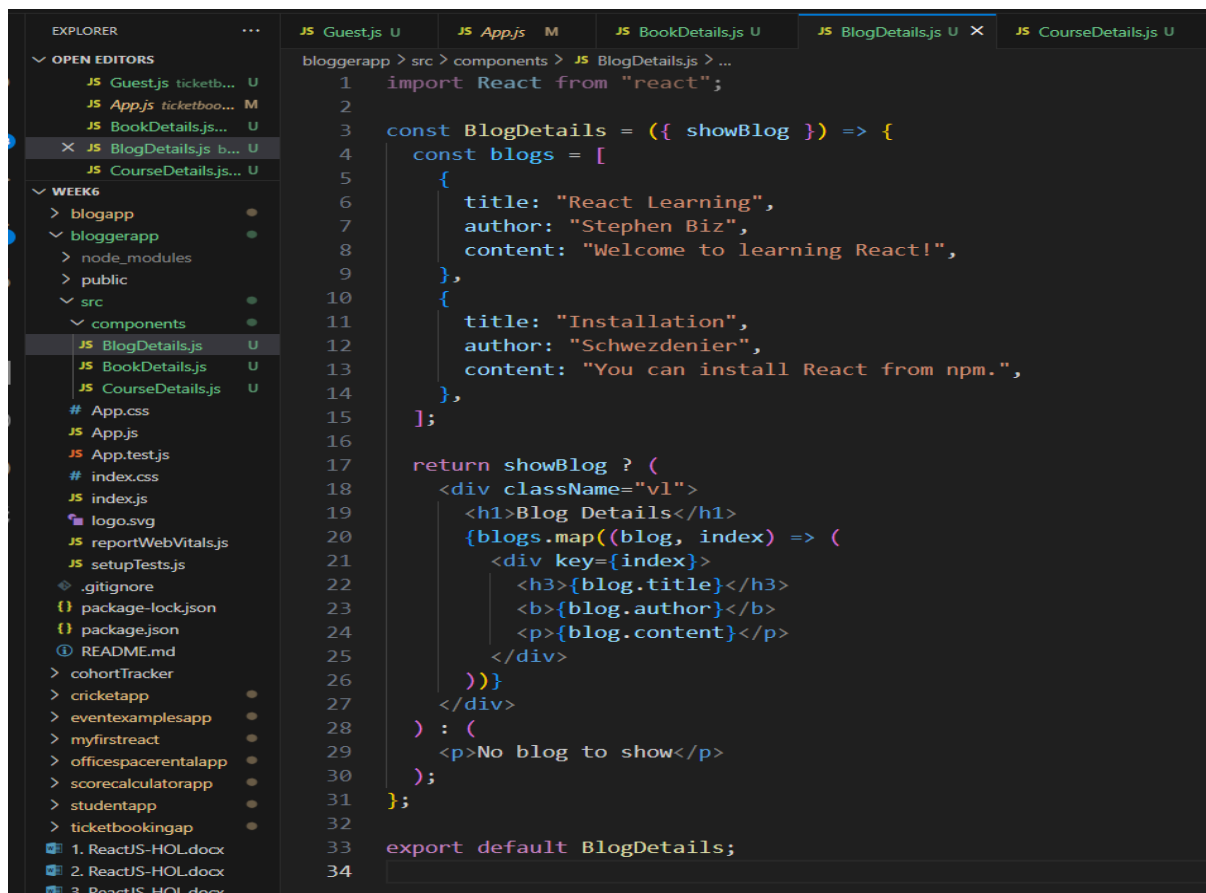
Step 2:-code the component BookDetails.js



```
EXPLORER
  OPEN EDITORS
    JS Guest.js ticketb... U
    JS App.js ticketboo... M
    JS BookDetails.js... U
    JS BlogDetails.js b... U
    JS CourseDetails.js... U
  WEEK6
    > blogapp
    > bloggerapp
    > node_modules
    > public
    > src
      > components
        JS BlogDetails.js U
        JS BookDetails.js U
        JS CourseDetails.js U
      # 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
    > cohortTracker
    > cricketapp
    > eventexamplesapp
    > myfirstreact

bloggerapp > src > components > JS BookDetails.js > ...
1  import React from "react";
2
3  const BookDetails = (props) => {
4    const { books } = props;
5    if (!books || books.length === 0) {
6      return <p>No books available.</p>;
7    }
8
9    return (
10     <div className="st2">
11       <h1>Book Details</h1>
12       <ul>
13         {books.map((book) => (
14           <div key={book.id}>
15             <h3>{book.bname}</h3>
16             <h4>{book.price}</h4>
17           </div>
18         ))}
19       </ul>
20     </div>
21   );
22 }
23
24 export default BookDetails;
25
```

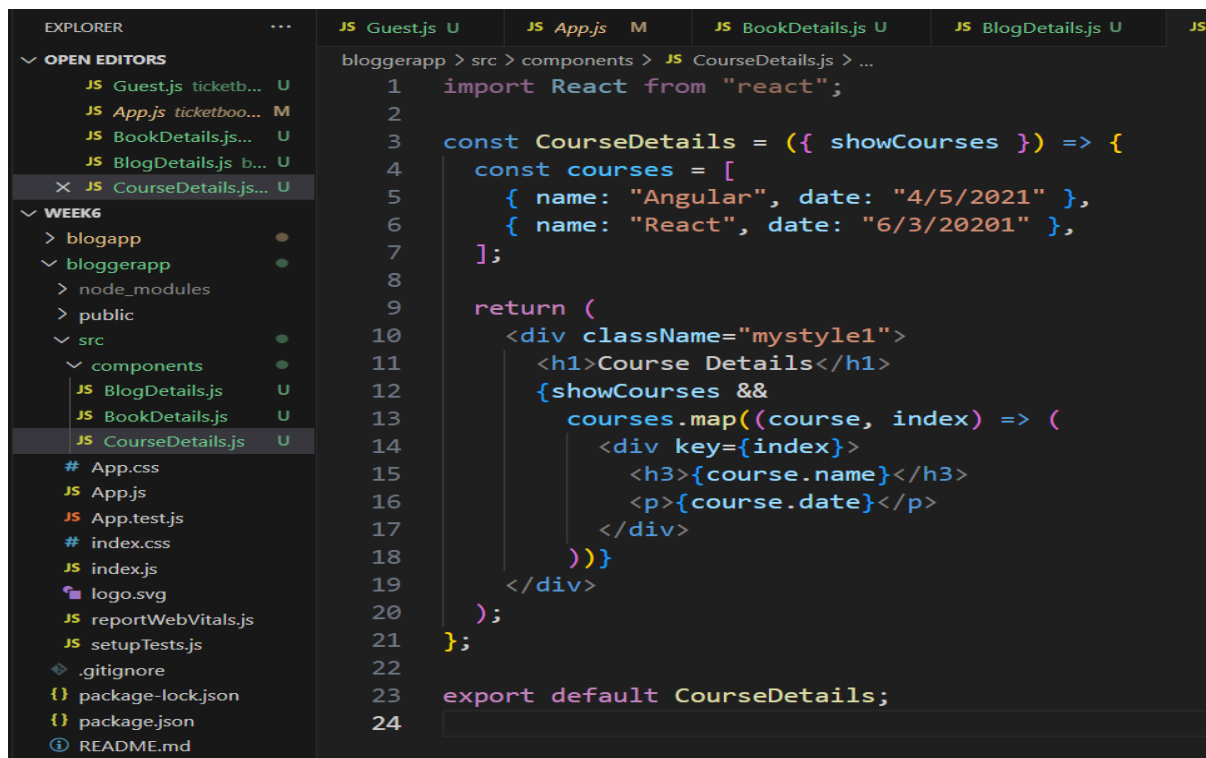
Step 3:-code the component Blog Details



The screenshot shows the VS Code editor with the Explorer sidebar on the left and the Editor pane on the right. The Explorer sidebar shows the project structure with the 'components' folder expanded, and 'BlogDetails.js' selected. The Editor pane shows the code for 'BlogDetails.js'.

```
1 import React from "react";
2
3 const BlogDetails = ({ showBlog }) => {
4   const blogs = [
5     {
6       title: "React Learning",
7       author: "Stephen Biz",
8       content: "Welcome to learning React!",
9     },
10    {
11      title: "Installation",
12      author: "Schwezenier",
13      content: "You can install React from npm.",
14    },
15  ];
16
17   return showBlog ? (
18     <div className="v1">
19       <h1>Blog Details</h1>
20       {blogs.map((blog, index) => (
21         <div key={index}>
22           <h3>{blog.title}</h3>
23           <b>{blog.author}</b>
24           <p>{blog.content}</p>
25         </div>
26       ))}
27     </div>
28   ) : (
29     <p>No blog to show</p>
30   );
31 };
32
33 export default BlogDetails;
```

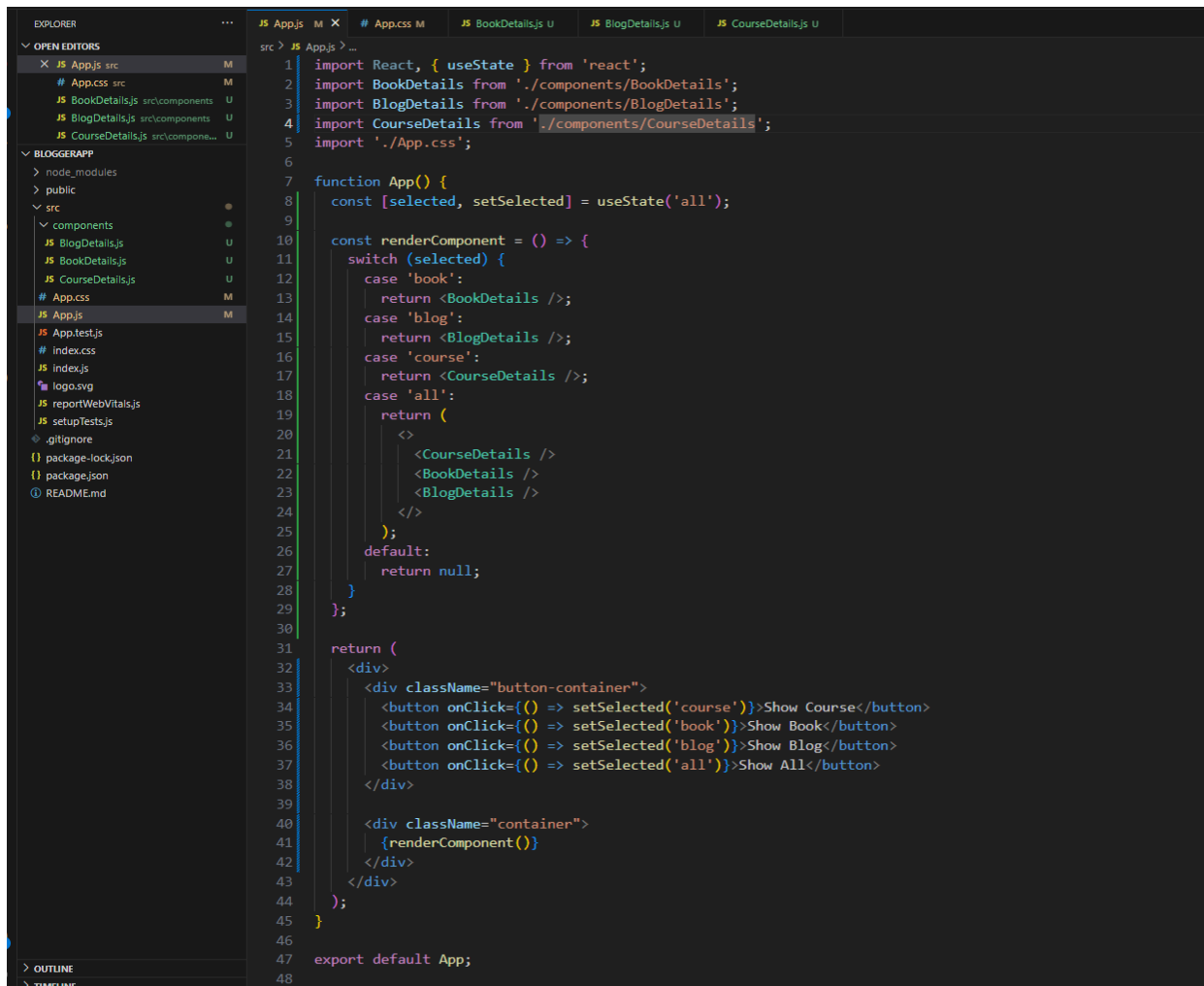
Step 4:-code the component Course Details



The screenshot shows the VS Code editor with the Explorer sidebar on the left and the Editor pane on the right. The Explorer sidebar shows the project structure with the 'components' folder expanded, and 'CourseDetails.js' selected. The Editor pane shows the code for 'CourseDetails.js'.

```
1 import React from "react";
2
3 const CourseDetails = ({ showCourses }) => {
4   const courses = [
5     { name: "Angular", date: "4/5/2021" },
6     { name: "React", date: "6/3/2021" },
7   ];
8
9   return (
10     <div className="mystyle1">
11       <h1>Course Details</h1>
12       {showCourses &&
13         courses.map((course, index) => (
14           <div key={index}>
15             <h3>{course.name}</h3>
16             <p>{course.date}</p>
17           </div>
18         ))}
19     </div>
20   );
21 };
22
23 export default CourseDetails;
```

Step 5:-code the App.js



```
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 import './App.css';
6
7 function App() {
8   const [selected, setSelected] = useState('all');
9
10  const renderComponent = () => {
11    switch (selected) {
12      case 'book':
13        return <BookDetails />;
14      case 'blog':
15        return <BlogDetails />;
16      case 'course':
17        return <CourseDetails />;
18      case 'all':
19        return (
20          <>
21            <CourseDetails />
22            <BookDetails />
23            <BlogDetails />
24          </>
25        );
26      default:
27        return null;
28    }
29  };
30
31  return (
32    <div>
33      <div className="button-container">
34        <button onClick={() => setSelected('course')}>Show Course</button>
35        <button onClick={() => setSelected('book')}>Show Book</button>
36        <button onClick={() => setSelected('blog')}>Show Blog</button>
37        <button onClick={() => setSelected('all')}>Show All</button>
38      </div>
39
40      <div className="container">
41        {renderComponent()}
42      </div>
43    </div>
44  );
45 }
46
47 export default App;
```

OUTPUT:-

