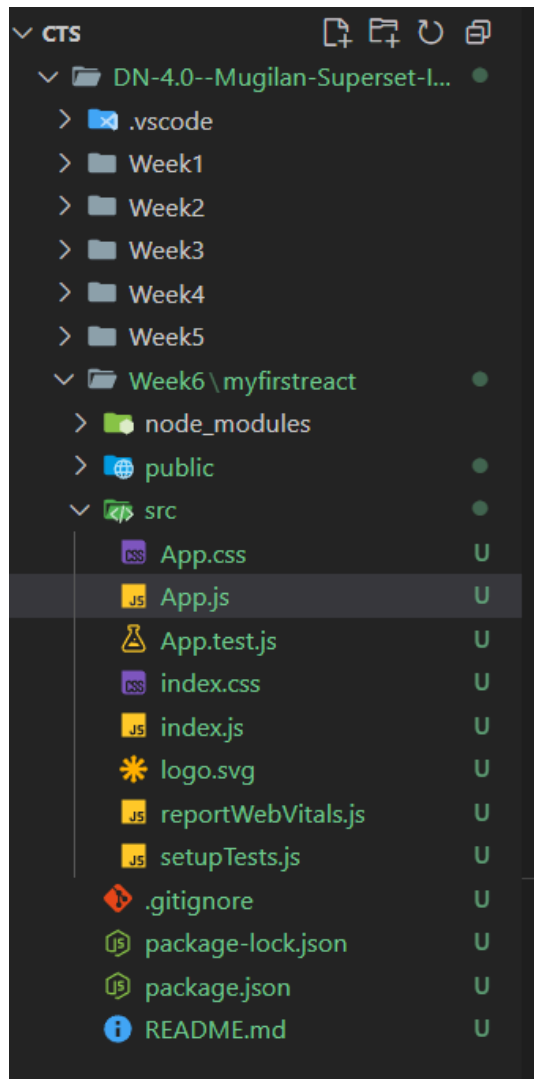


1. REACTJS - HOL



App.js

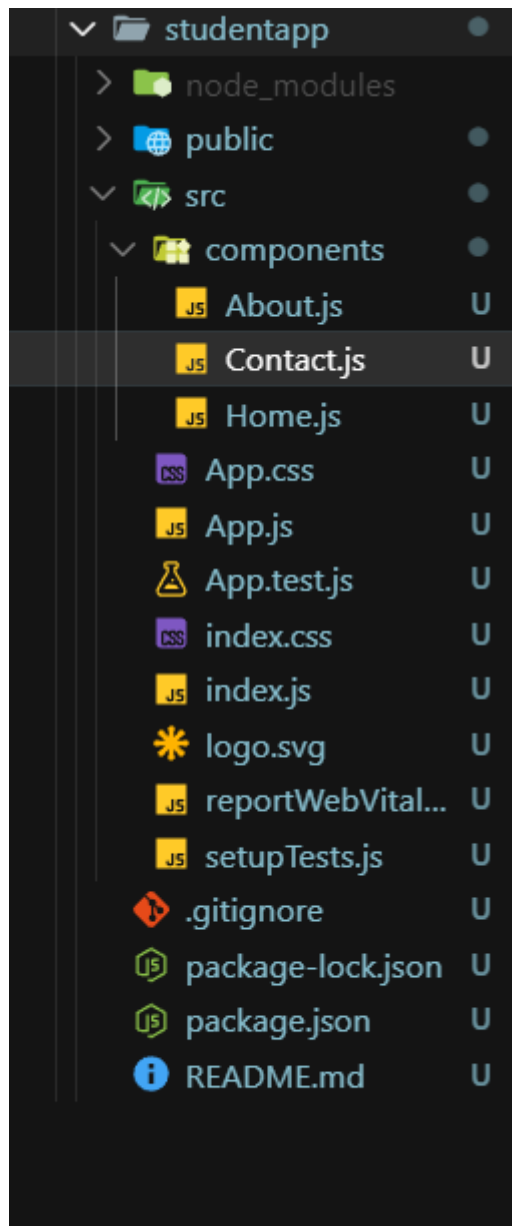
```
export default function App() {  
  return (  
    <div className="App">  
      <h1>Welcome to My First React App</h1>  
    </div>  
  );  
}
```

Output:



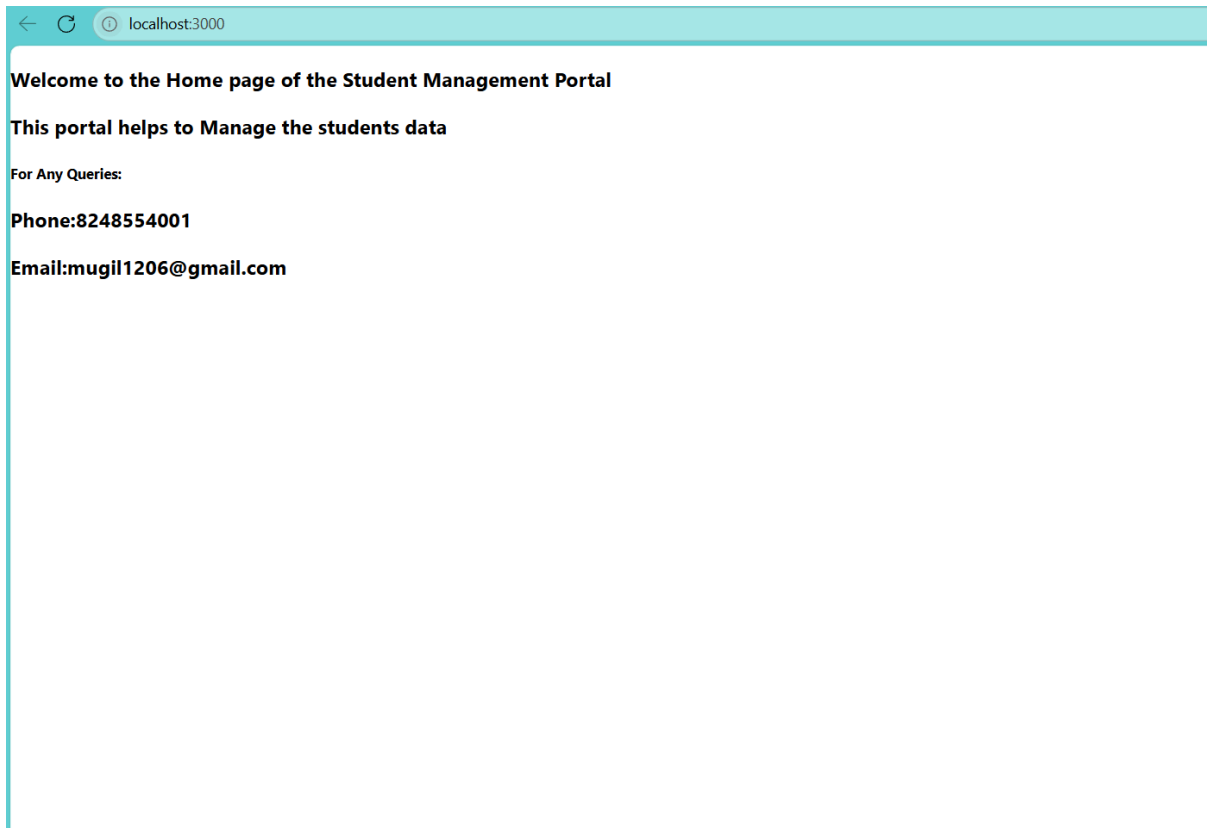
Welcome to My First React App

2.React HOL: Studentapp



I have writted the code which given in the Hands-on for the component files and executed.....

Output:



3. Problem - Scorecalculator app

[calculatorscore.js](#):

```
import './Stylesheets/mystyle.css';
const percentToDecimal = (decimal) => {
  return (decimal.toFixed(2) + '%')
}
const calcScore = (total, goal) => {
  return percentToDecimal(total / goal)
}
export const CalculateScore = ({ Name, School, total, goal }) => (
  <div className="formatstyle">
    <h1><font color="Brown">Student Details:</font></h1>
    <div className="Name">
      <b><span> Name: </span></b>
      <span>{Name}</span>
    </div>
  </div>
)
```

```

    </div>
    <div className="School">
      <b><span> School: </span></b>
      <span>{School}</span>
    </div>
    <div className="Total">
      <b><span>Total:</span></b>
      <span>{total}</span>
      <span>Marks</span>
    </div>
    <div className="Score">
      <b>Score:</b>
      <span>
        {calcScore(
          total,
          goal
        )}
      </span>
    </div>
  </div>
)

```

Mystyle.css

```

.Name {
  font-weight: 300;
  color: blue;
}

.School {
  color: crimson;
}

.Total {
  color: darkmagenta;
}

.formatstyle {
  text-align: center;
  font-size: large;
}

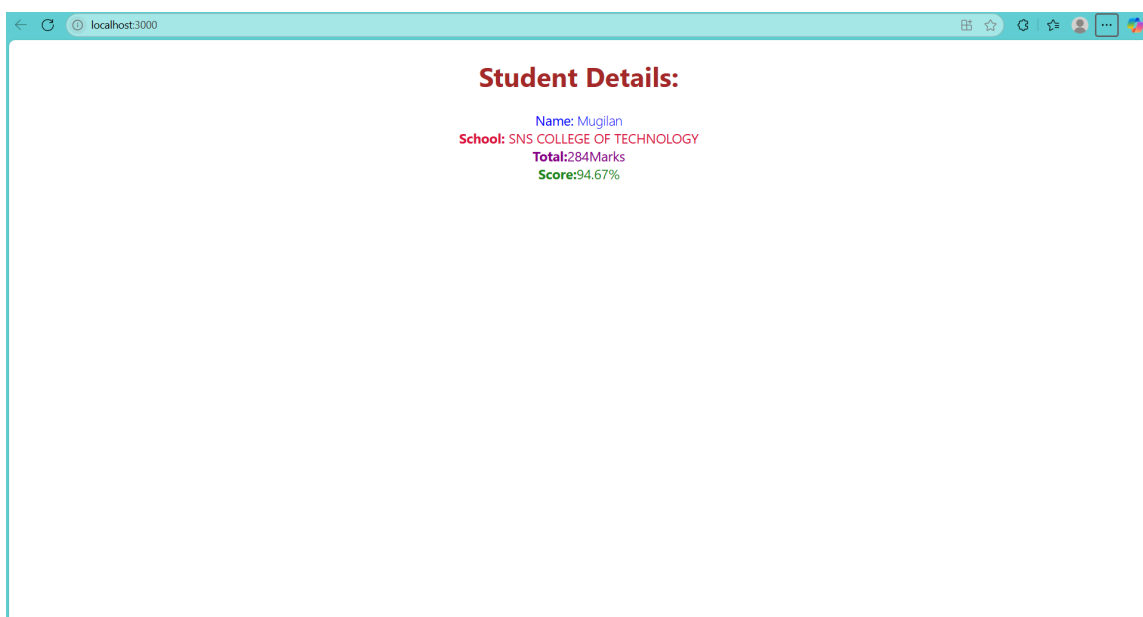
```

```
.Score {  
  color: forestgreen;  
}
```

App .js:

```
import { CalculateScore } from '../src/components/CalculateScore';  
  
function App() {  
  return (  
    <div>  
      <CalculateScore  
        Name={"Mugilan"}  
        School={"SNS COLLEGE OF TECHNOLOGY"}  
        total={284}  
        goal={3}  
      />  
    </div>  
  );  
}  
  
export default App;
```

Output:



4. React - Blogapp

[post.js](#):

```
class Post{
  constructor(id,title,body) {
    this.id=id;
    this.title=title;
    this.body=body;
  }
}
export default Post;
```

Posts:

```
import React from 'react';
import Post from './Post';
class Posts extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      posts: [],
      hasError: false,
      errorMessage: ''
    };
  }
  loadPosts() {
    fetch('https://jsonplaceholder.typicode.com/posts')
      .then(response => response.json())
      .then(data => {
        const postObjects = data.map(item => new Post(item.id,
item.title, item.body));
        this.setState({ posts: postObjects });
      })
      .catch(error => {
        console.error('Error:', error);
        this.setState({ hasError: true, errorMessage:
error.message });
      });
  }
}
```

```

componentDidMount() {
  this.loadPosts();
}

componentDidCatch(error, info) {
  console.error('Render error:', error);
  this.setState({ hasError: true, errorMessage: error.toString()
});
}

render() {
  if (this.state.hasError) {
    return <div>Error loading posts:
{this.state.errorMessage}</div>;
  }
  return (
    <div>
      <h1>Blog Posts</h1>
      {this.state.posts.map(post => (
        <div key={post.id} style={{ marginBottom: '20px'
}}>
          <h2>{post.title}</h2>
          <p>{post.body}</p>
          <hr />
        </div>
      ))}
    </div>
  );
}
}

export default Posts;

```


Output:

Blog Posts

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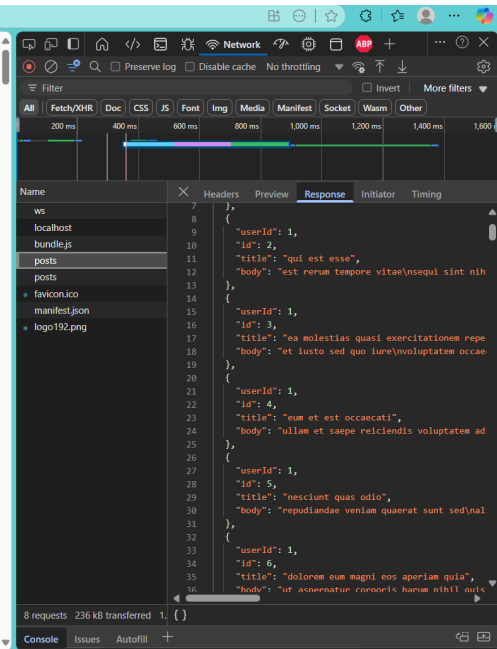
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React - 5 Cohorttracker

CohortDetails.module.css:

```
.box {
  width: 300px;
  display: inline-block;
  margin: 10px;
  padding: 10px 20px;
  border: 1px solid black;
  border-radius: 10px;
}

dt {
  font-weight: 500;
}
```

Cohortdetails.js:

```
import styles from './CohortDetails.module.css';
```

```
function CohortDetails(props) {
  const { cohort } = props;
```

```

const headingStyle = {
  color: cohort.currentStatus.toLowerCase() === 'ongoing' ?
'green' : 'blue'
};
return (
  <div className={styles.box}>
    <h3 style={headingStyle}>
      {cohort.cohortCode} - <span>{cohort.technology}</span>
    </h3>
    <dl>
      <dt>Started On</dt>
      <dd>{cohort.startDate}</dd>
      <dt>Current Status</dt>
      <dd>{cohort.currentStatus}</dd>
      <dt>Coach</dt>
      <dd>{cohort.coachName}</dd>
      <dt>Trainer</dt>
      <dd>{cohort.trainerName}</dd>
    </dl>
  </div>
);
}

export default CohortDetails;

```

Output:

The screenshot shows a web browser window with the URL 'localhost:3000'. The page title is 'Cohorts Details'. The page displays seven cohort cards arranged in two rows. Each card contains the following information:

- Cohort Name:** INTADMDF10 - .NET FSD, ADM21JF014 - Java FSD, CDBJF21025 - Java FSD, INTADMJF12 - Java FSD, CDE22JF011 - Java FSD, INTADMDF09 - Dataware Housing, ADM22DF001 - .NET FSD
- Started On:** 22-Feb-2022, 10-Sep-2021, 24-Dec-2021, 22-Feb-2022, 24-Dec-2021, 22-Feb-2022, 10-Sep-2021
- Current Status:** Scheduled, Ongoing, Ongoing, Scheduled, Ongoing, Scheduled, Ongoing
- Coach:** Aathma, Apoorv, Aathma, Ibrahim, Apoorv, Aathma, Ibrahim
- Trainer:** Jojo Jose, Elisa Smith, John Doe, To Be Assigned, Emma Swan, Babjee Rao, Marie Curie