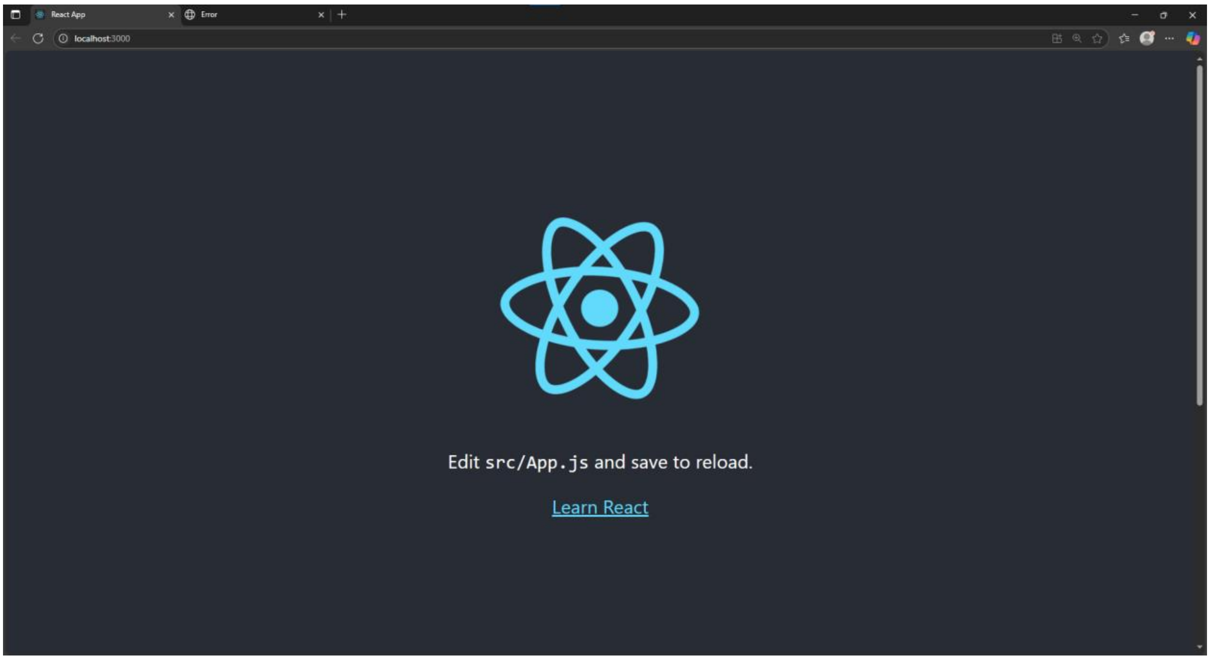
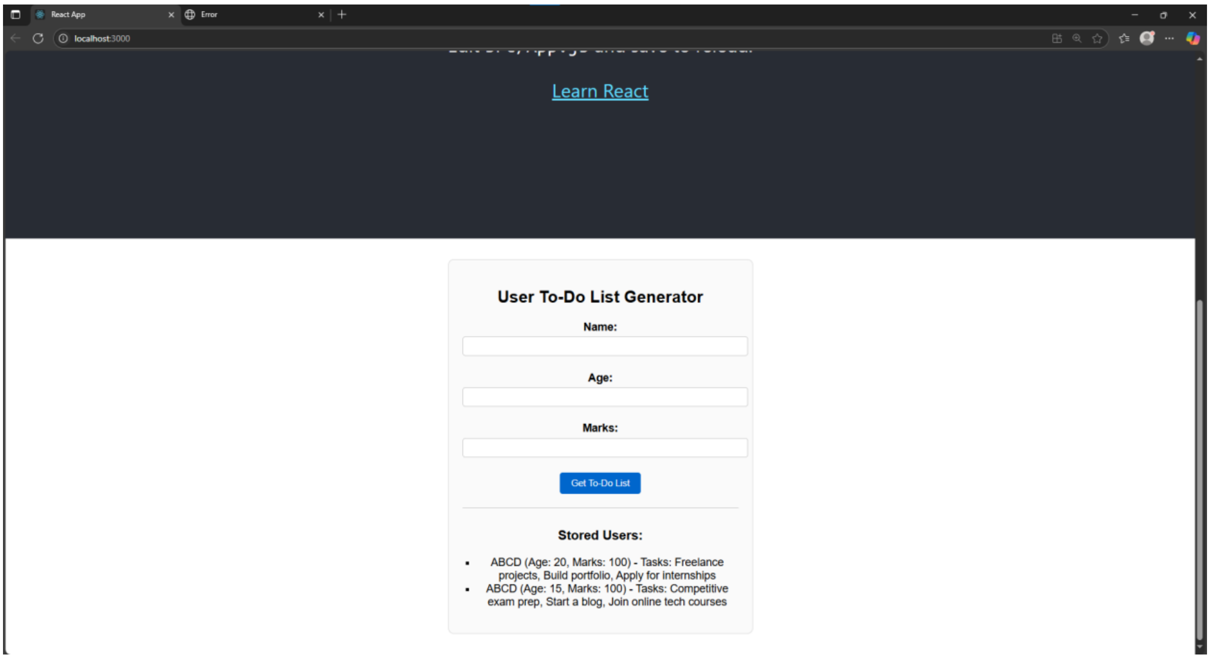
TO-DO List



Edit `src/App.js` and save to reload.

Learn React



User To-Do List Generator

Name:

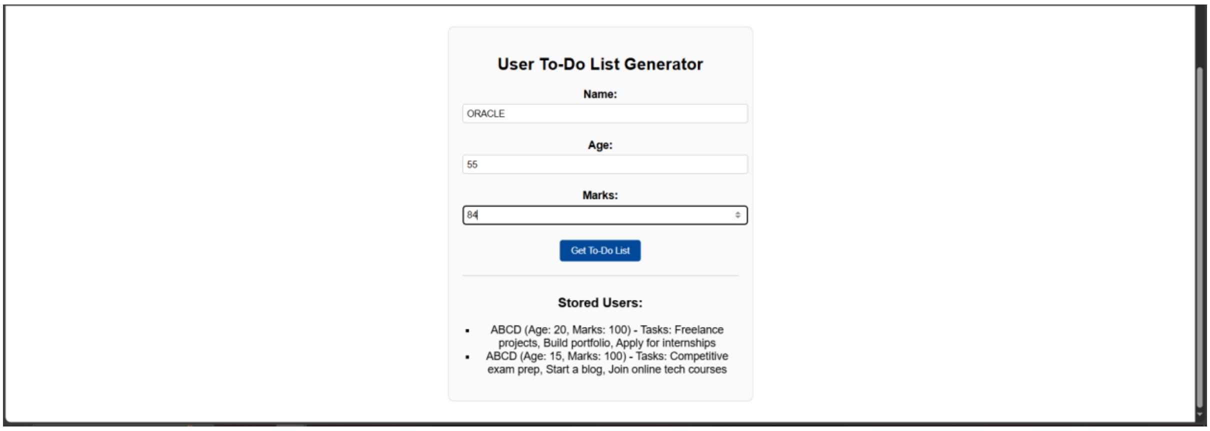
Age:

Marks:

Get To-Do List

Stored Users:

- ABCD (Age: 20, Marks: 100) - Tasks: Freelance projects, Build portfolio, Apply for internships
- ABCD (Age: 15, Marks: 100) - Tasks: Competitive exam prep, Start a blog, Join online tech courses



User To-Do List Generator

Name: ORACLE

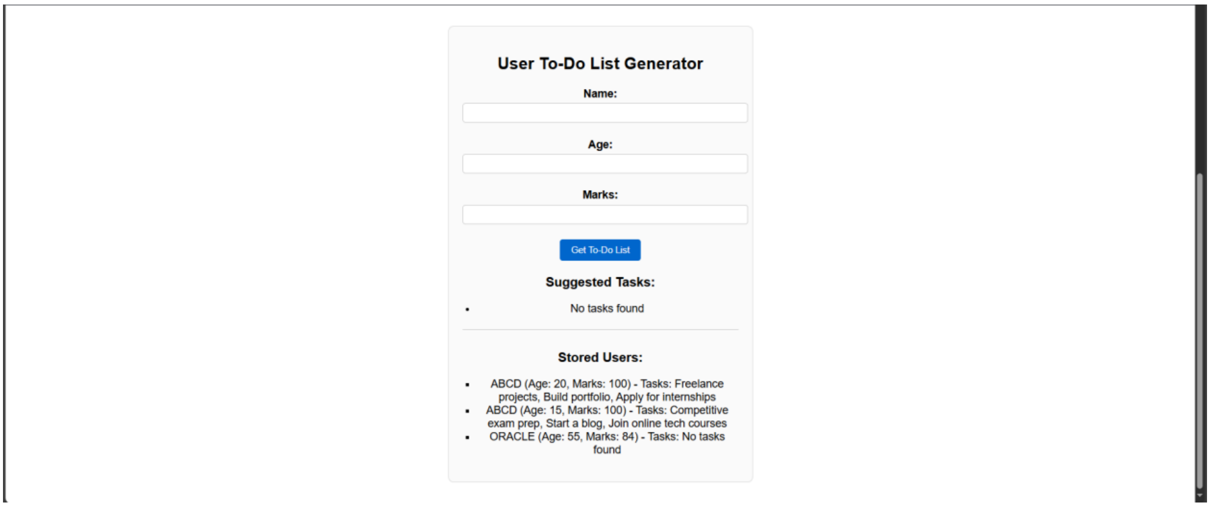
Age: 55

Marks: 84

Get To-Do List

Stored Users:

- ABCD (Age: 20, Marks: 100) - Tasks: Freelance projects, Build portfolio, Apply for internships
- ABCD (Age: 15, Marks: 100) - Tasks: Competitive exam prep, Start a blog, Join online tech courses



User To-Do List Generator

Name:

Age:

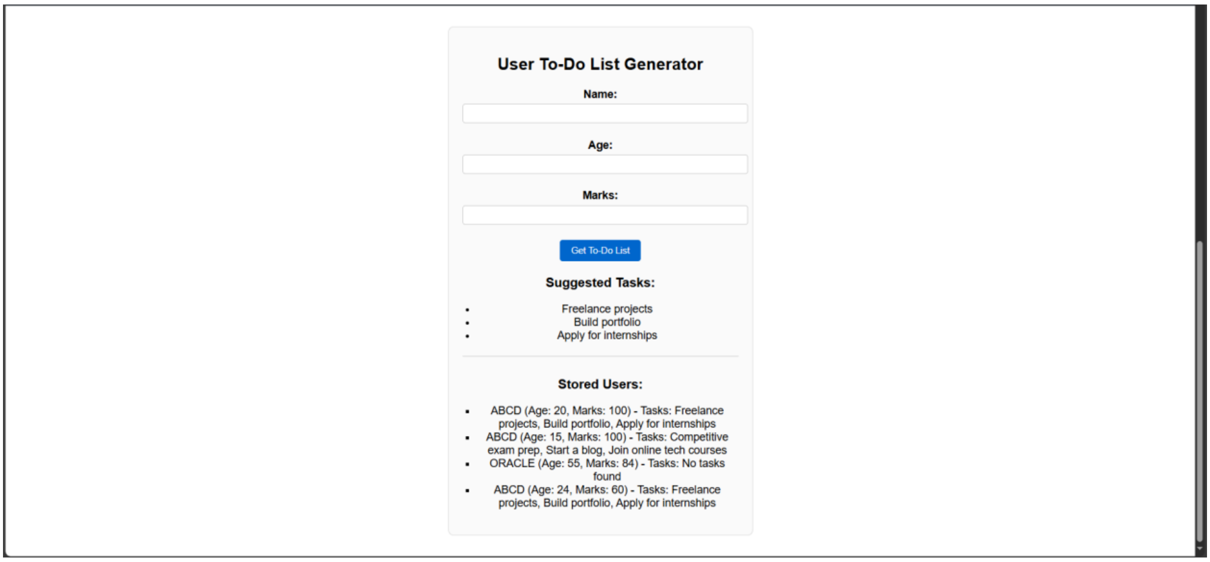
Marks:

Suggested Tasks:

- No tasks found

Stored Users:

- ABCD (Age: 20, Marks: 100) - Tasks: Freelance projects, Build portfolio, Apply for internships
- ABCD (Age: 15, Marks: 100) - Tasks: Competitive exam prep, Start a blog, Join online tech courses
- ORACLE (Age: 55, Marks: 84) - Tasks: No tasks found



User To-Do List Generator

Name:

Age:

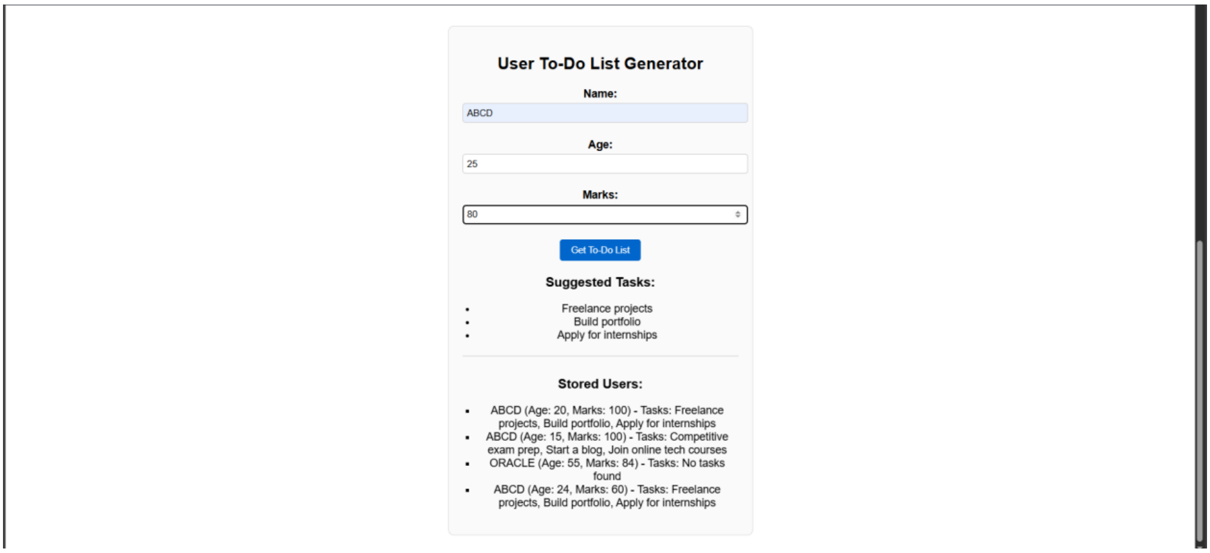
Marks:

Suggested Tasks:

- Freelance projects
- Build portfolio
- Apply for internships

Stored Users:

- ABCD (Age: 20, Marks: 100) - Tasks: Freelance projects, Build portfolio, Apply for internships
- ABCD (Age: 15, Marks: 100) - Tasks: Competitive exam prep, Start a blog, Join online tech courses
- ORACLE (Age: 55, Marks: 84) - Tasks: No tasks found
- ABCD (Age: 24, Marks: 60) - Tasks: Freelance projects, Build portfolio, Apply for internships



User To-Do List Generator

Name:
ABCD

Age:
25

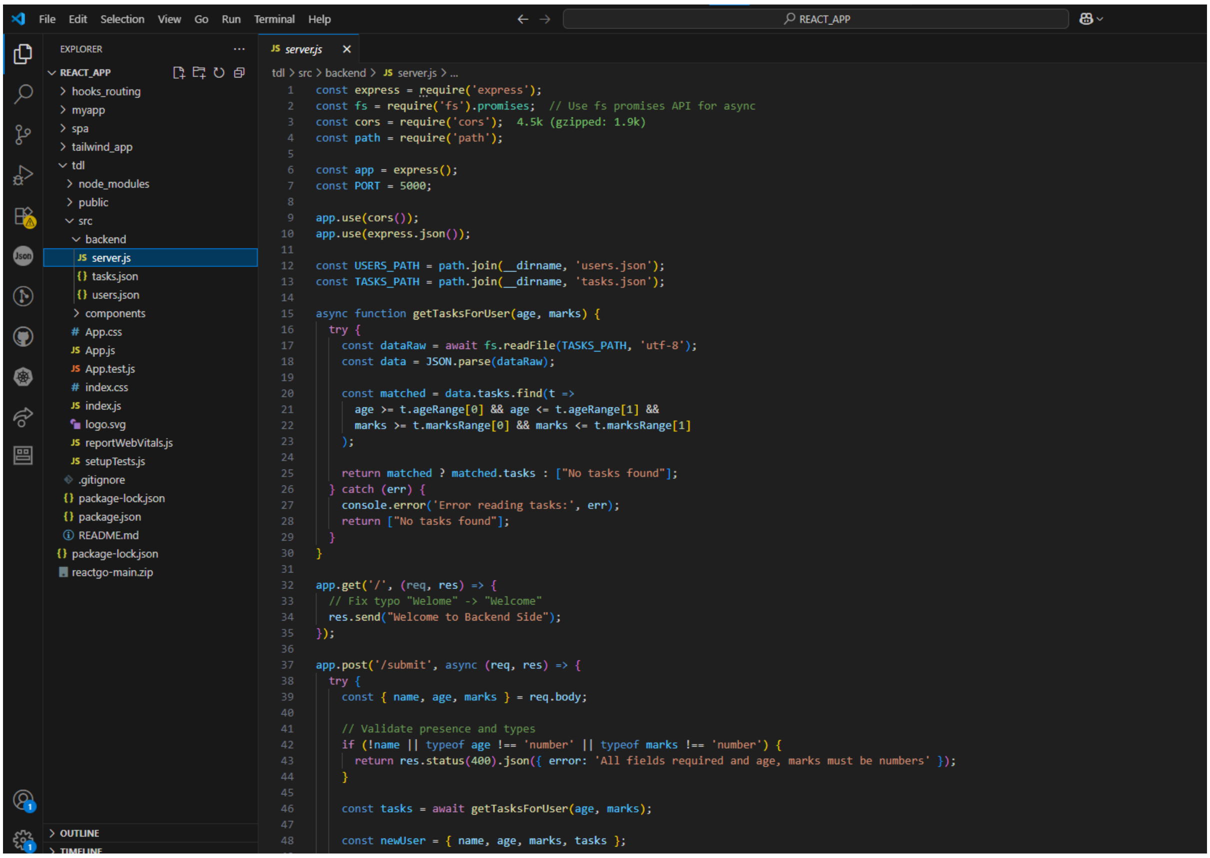
Marks:
80

Suggested Tasks:

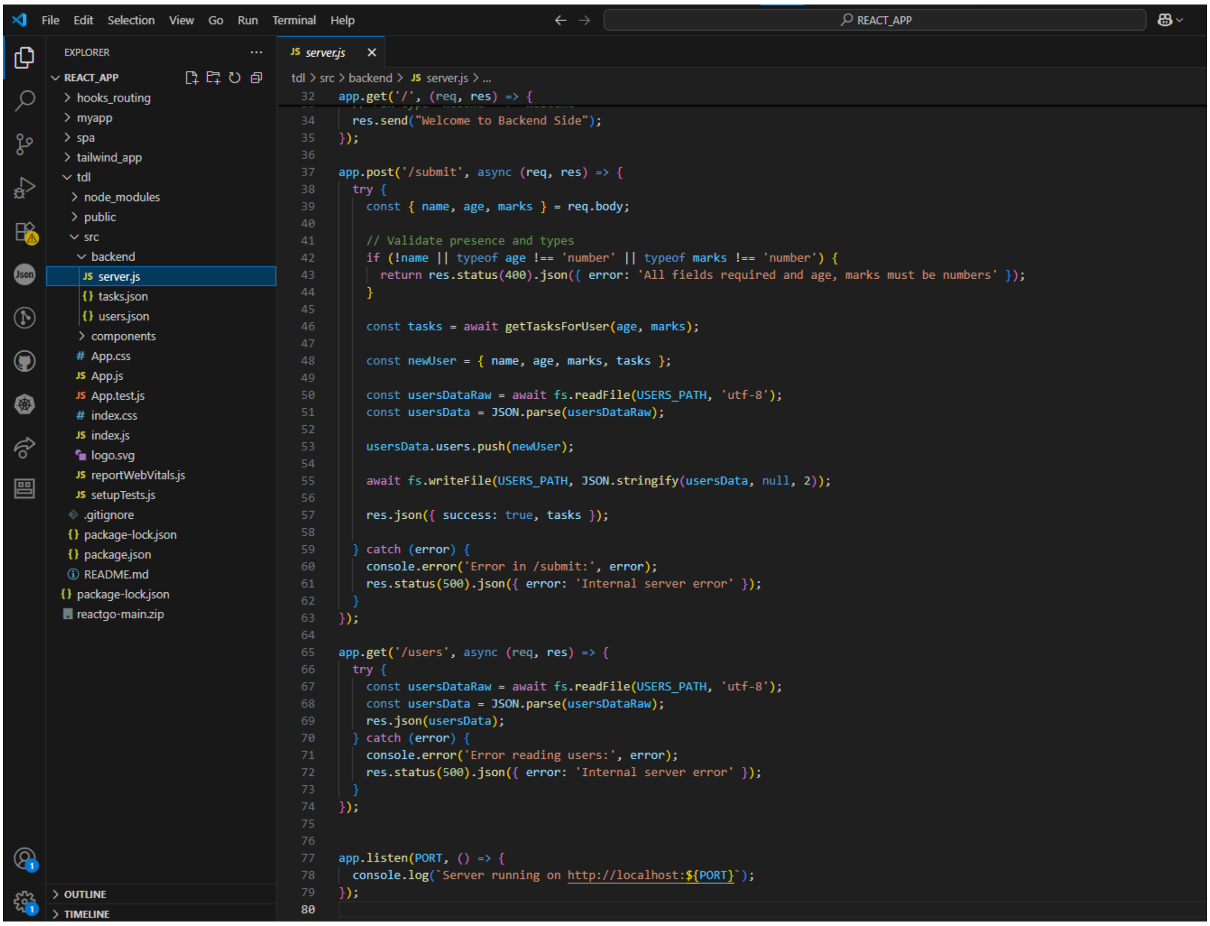
- Freelance projects
- Build portfolio
- Apply for internships

Stored Users:

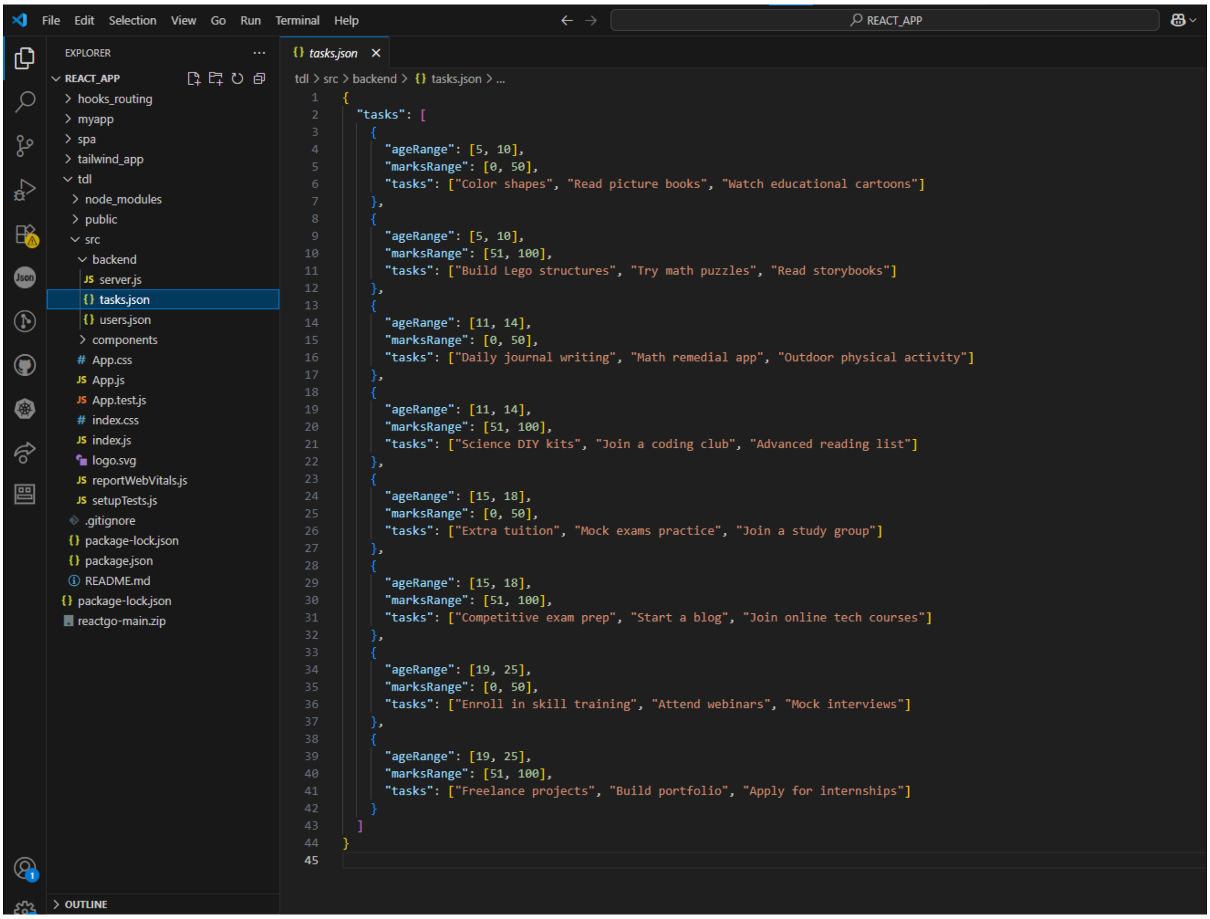
- ABCD (Age: 20, Marks: 100) - Tasks: Freelance projects, Build portfolio, Apply for internships
- ABCD (Age: 15, Marks: 100) - Tasks: Competitive exam prep, Start a blog, Join online tech courses
- ORACLE (Age: 55, Marks: 84) - Tasks: No tasks found
- ABCD (Age: 24, Marks: 60) - Tasks: Freelance projects, Build portfolio, Apply for internships



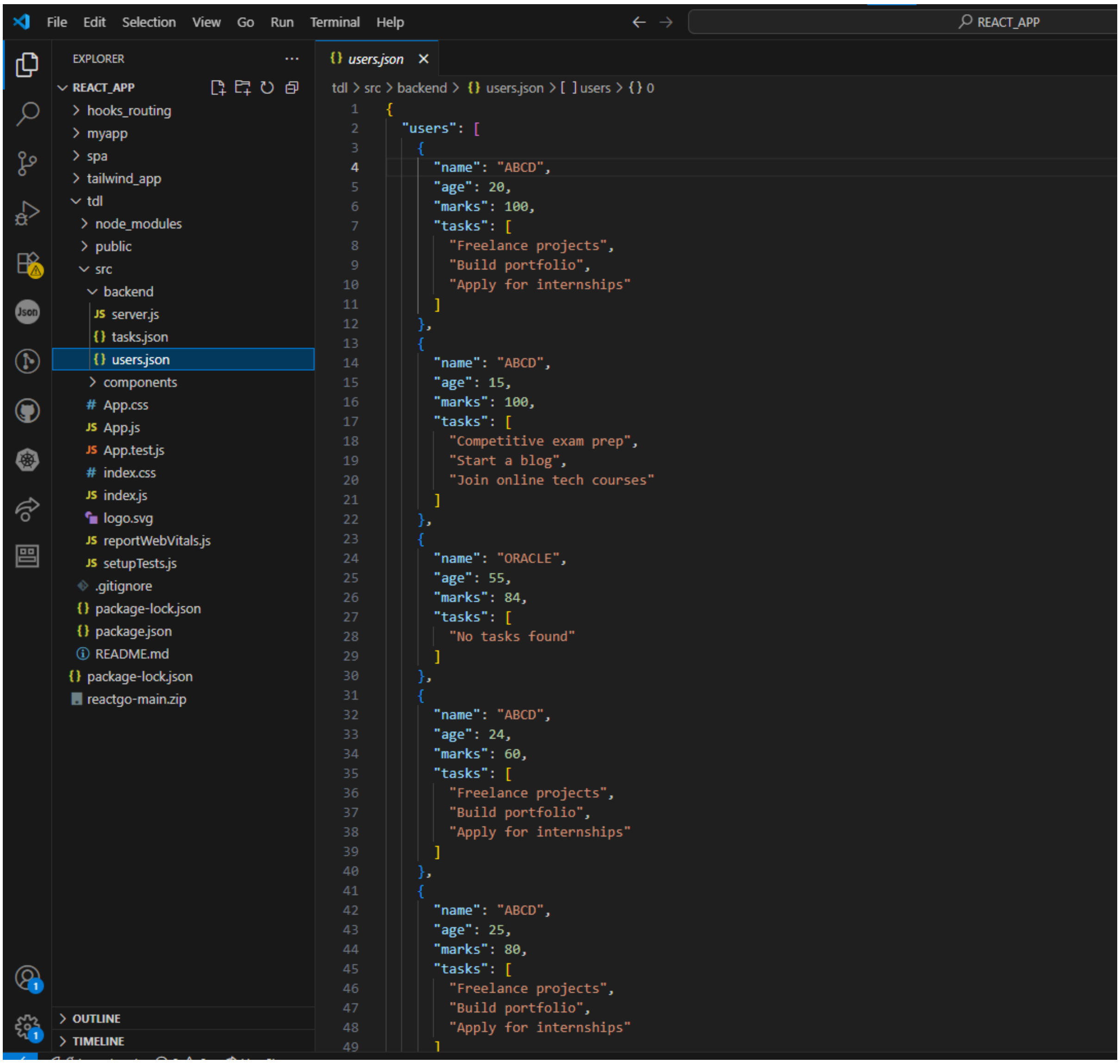
```javascript
const express = require('express');
const fs = require('fs').promises;  // Use fs promises API for async
const cors = require('cors');  4.5k (gzipped: 1.9k)
const path = require('path');

const app = express();
const PORT = 5000;

app.use(cors());
app.use(express.json());

const USERS_PATH = path.join(__dirname, 'users.json');
const TASKS_PATH = path.join(__dirname, 'tasks.json');

async function getTasksForUser(age, marks) {
  try {
    const dataRaw = await fs.readFile(TASKS_PATH, 'utf-8');
    const data = JSON.parse(dataRaw);

    const matched = data.tasks.find(t =>
      age >= t.ageRange[0] && age <= t.ageRange[1] &&
      marks >= t.marksRange[0] && marks <= t.marksRange[1]
    );

    return matched ? matched.tasks : ["No tasks found"];
  } catch (err) {
    console.error('Error reading tasks:', err);
    return ["No tasks found"];
  }
}

app.get('/', (req, res) => {
  // Fix typo "Welome" -> "Welcome"
  res.send("Welcome to Backend Side");
});

app.post('/submit', async (req, res) => {
  try {
    const { name, age, marks } = req.body;

    // Validate presence and types
    if (!name || typeof age !== 'number' || typeof marks !== 'number') {
      return res.status(400).json({ error: 'All fields required and age, marks must be numbers' });
    }

    const tasks = await getTasksForUser(age, marks);

    const newUser = { name, age, marks, tasks };
```



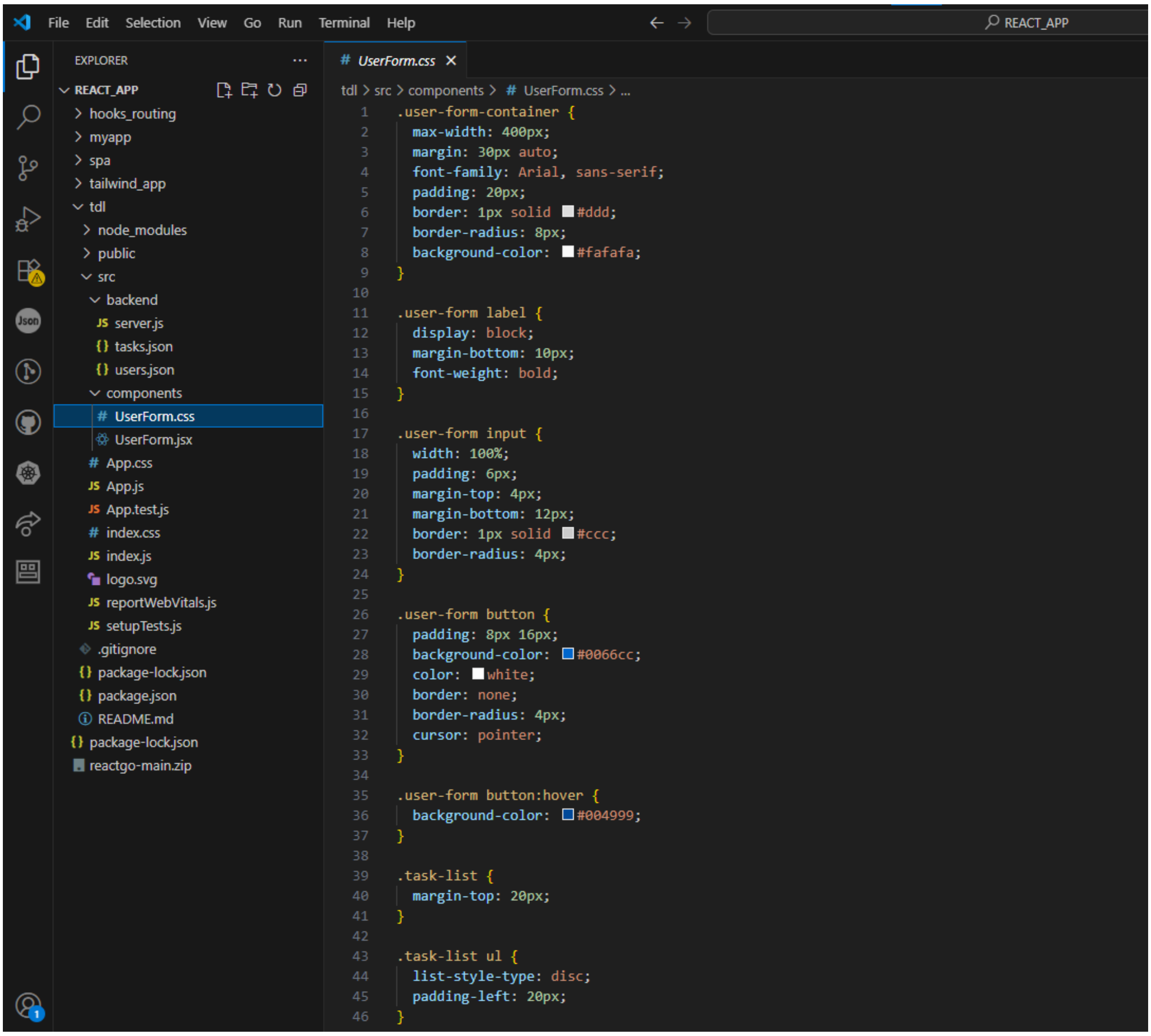
```javascript
app.get('/', (req, res) => {
  res.send("Welcome to Backend Side");
});

app.post('/submit', async (req, res) => {
  try {
    const { name, age, marks } = req.body;

    // Validate presence and types
    if (!name || typeof age !== 'number' || typeof marks !== 'number') {
      return res.status(400).json({ error: 'All fields required and age, marks must be numbers' });
    }

    const tasks = await getTasksForUser(age, marks);

    const newUser = { name, age, marks, tasks };

    const usersDataRaw = await fs.readFile(USERS_PATH, 'utf-8');
    const usersData = JSON.parse(usersDataRaw);

    usersData.users.push(newUser);

    await fs.writeFile(USERS_PATH, JSON.stringify(usersData, null, 2));

    res.json({ success: true, tasks });

  } catch (error) {
    console.error('Error in /submit:', error);
    res.status(500).json({ error: 'Internal server error' });
  }
});

app.get('/users', async (req, res) => {
  try {
    const usersDataRaw = await fs.readFile(USERS_PATH, 'utf-8');
    const usersData = JSON.parse(usersDataRaw);
    res.json(usersData);
  } catch (error) {
    console.error('Error reading users:', error);
    res.status(500).json({ error: 'Internal server error' });
  }
});


app.listen(PORT, () => {
  console.log(`Server running on http://localhost:${PORT}`);
});

```



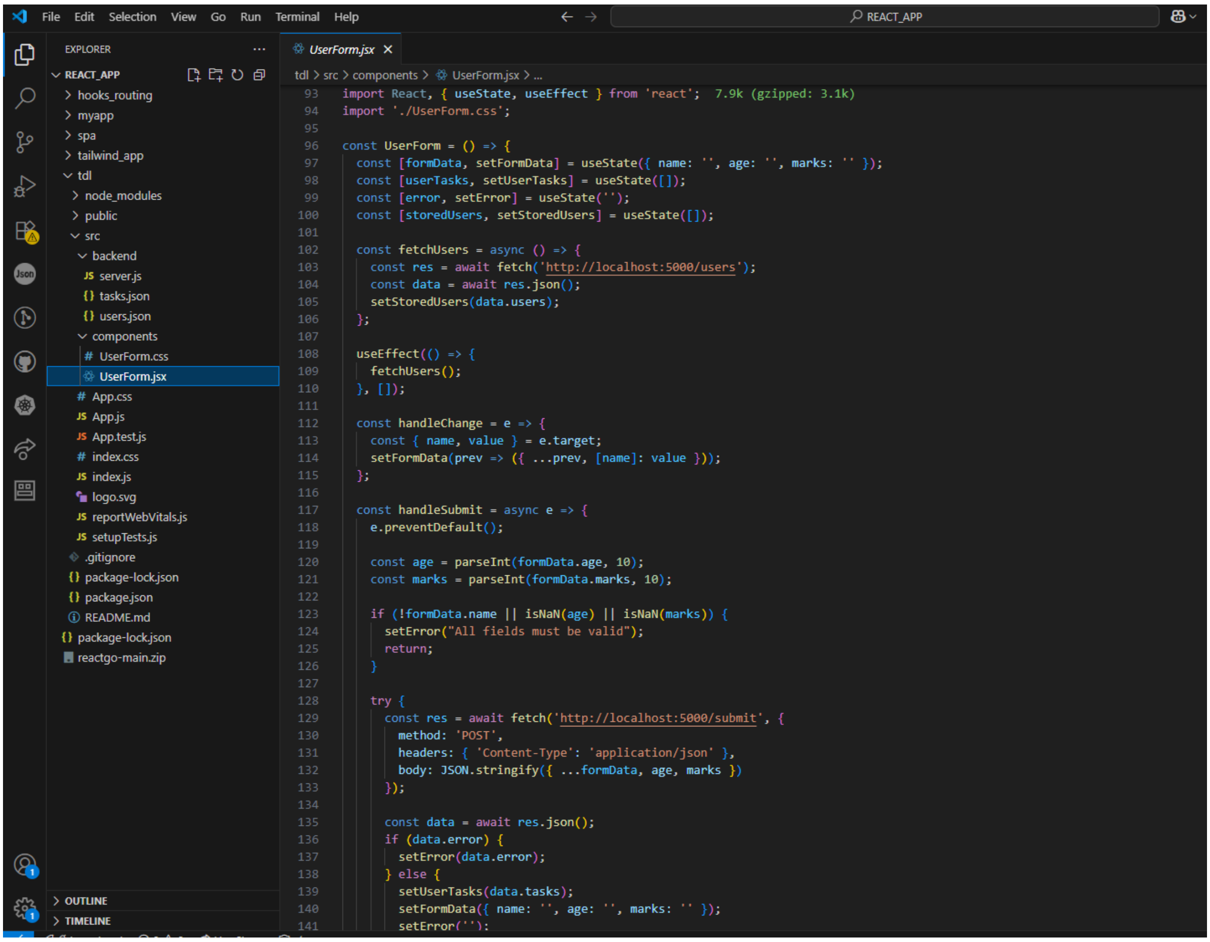
```json
{
  "tasks": [
    {
      "ageRange": [5, 10],
      "marksRange": [0, 50],
      "tasks": ["Color shapes", "Read picture books", "Watch educational cartoons"]
    },
    {
      "ageRange": [5, 10],
      "marksRange": [51, 100],
      "tasks": ["Build Lego structures", "Try math puzzles", "Read storybooks"]
    },
    {
      "ageRange": [11, 14],
      "marksRange": [0, 50],
      "tasks": ["Daily journal writing", "Math remedial app", "Outdoor physical activity"]
    },
    {
      "ageRange": [11, 14],
      "marksRange": [51, 100],
      "tasks": ["Science DIY kits", "Join a coding club", "Advanced reading list"]
    },
    {
      "ageRange": [15, 18],
      "marksRange": [0, 50],
      "tasks": ["Extra tuition", "Mock exams practice", "Join a study group"]
    },
    {
      "ageRange": [15, 18],
      "marksRange": [51, 100],
      "tasks": ["Competitive exam prep", "Start a blog", "Join online tech courses"]
    },
    {
      "ageRange": [19, 25],
      "marksRange": [0, 50],
      "tasks": ["Enroll in skill training", "Attend webinars", "Mock interviews"]
    },
    {
      "ageRange": [19, 25],
      "marksRange": [51, 100],
      "tasks": ["Freelance projects", "Build portfolio", "Apply for internships"]
    }
  ]
}
```



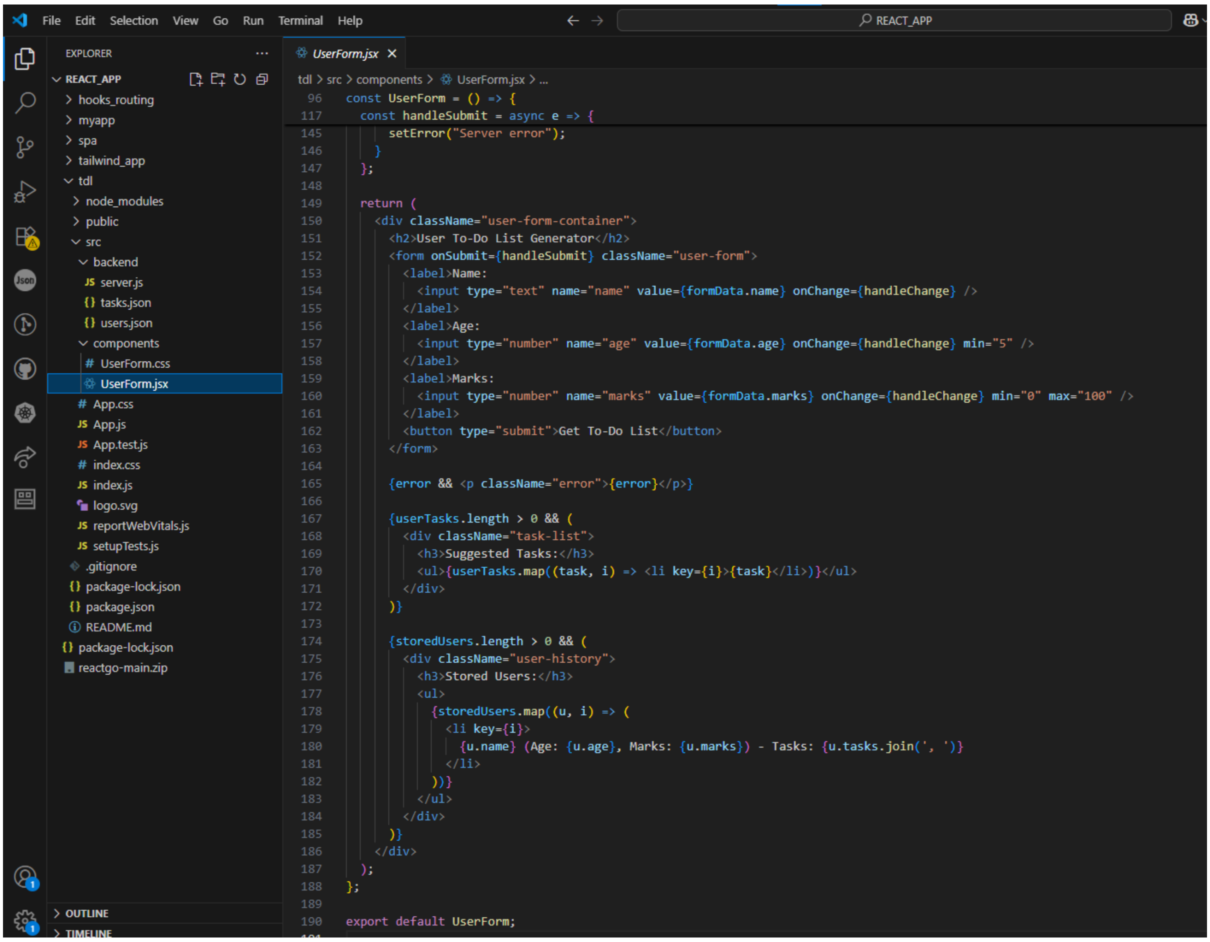
```
{
  "users": [
    {
      "name": "ABCD",
      "age": 20,
      "marks": 100,
      "tasks": [
        "Freelance projects",
        "Build portfolio",
        "Apply for internships"
      ]
    },
    {
      "name": "ABCD",
      "age": 15,
      "marks": 100,
      "tasks": [
        "Competitive exam prep",
        "Start a blog",
        "Join online tech courses"
      ]
    },
    {
      "name": "ORACLE",
      "age": 55,
      "marks": 84,
      "tasks": [
        "No tasks found"
      ]
    },
    {
      "name": "ABCD",
      "age": 24,
      "marks": 60,
      "tasks": [
        "Freelance projects",
        "Build portfolio",
        "Apply for internships"
      ]
    },
    {
      "name": "ABCD",
      "age": 25,
      "marks": 80,
      "tasks": [
        "Freelance projects",
        "Build portfolio",
        "Apply for internships"
      ]
```



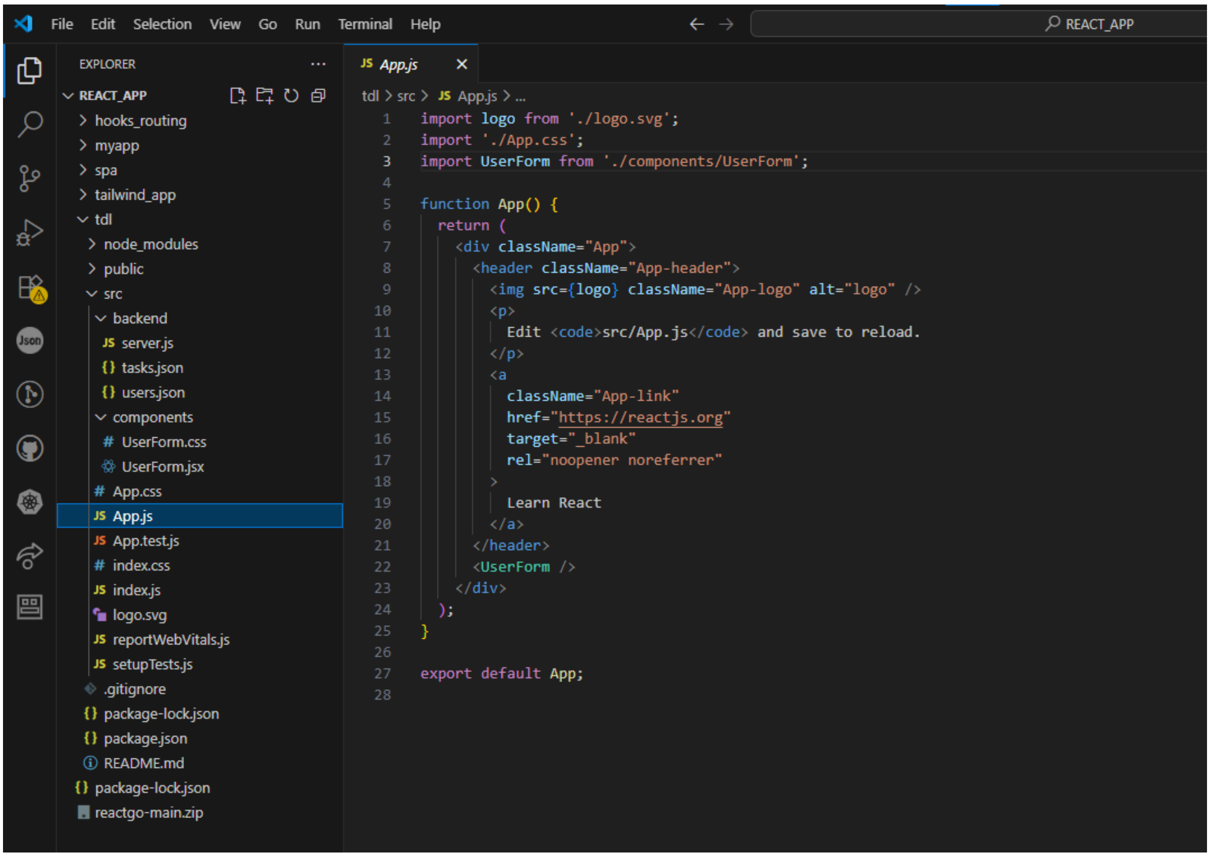
```css
.user-form-container {
  max-width: 400px;
  margin: 30px auto;
  font-family: Arial, sans-serif;
  padding: 20px;
  border: 1px solid #ddd;
  border-radius: 8px;
  background-color: #fafafa;
}

.user-form label {
  display: block;
  margin-bottom: 10px;
  font-weight: bold;
}

.user-form input {
  width: 100%;
  padding: 6px;
  margin-top: 4px;
  margin-bottom: 12px;
  border: 1px solid #ccc;
  border-radius: 4px;
}

.user-form button {
  padding: 8px 16px;
  background-color: #0066cc;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

.user-form button:hover {
  background-color: #004999;
}

.task-list {
  margin-top: 20px;
}

.task-list ul {
  list-style-type: disc;
  padding-left: 20px;
}
```



```jsx
import React, { useState, useEffect } from 'react';  7.9k (gzipped: 3.1k)
import './UserForm.css';

const UserForm = () => {
  const [formData, setFormData] = useState({ name: '', age: '', marks: '' });
  const [userTasks, setUserTasks] = useState([]);
  const [error, setError] = useState('');
  const [storedUsers, setStoredUsers] = useState([]);

  const fetchUsers = async () => {
    const res = await fetch('http://localhost:5000/users');
    const data = await res.json();
    setStoredUsers(data.users);
  };

  useEffect(() => {
    fetchUsers();
  }, []);

  const handleChange = e => {
    const { name, value } = e.target;
    setFormData(prev => ({ ...prev, [name]: value }));
  };

  const handleSubmit = async e => {
    e.preventDefault();

    const age = parseInt(formData.age, 10);
    const marks = parseInt(formData.marks, 10);

    if (!formData.name || isNaN(age) || isNaN(marks)) {
      setError("All fields must be valid");
      return;
    }

    try {
      const res = await fetch('http://localhost:5000/submit', {
        method: 'POST',
        headers: { 'Content-Type': 'application/json' },
        body: JSON.stringify({ ...formData, age, marks })
      });

      const data = await res.json();
      if (data.error) {
        setError(data.error);
      } else {
        setUserTasks(data.tasks);
        setFormData({ name: '', age: '', marks: '' });
        setError('');
```

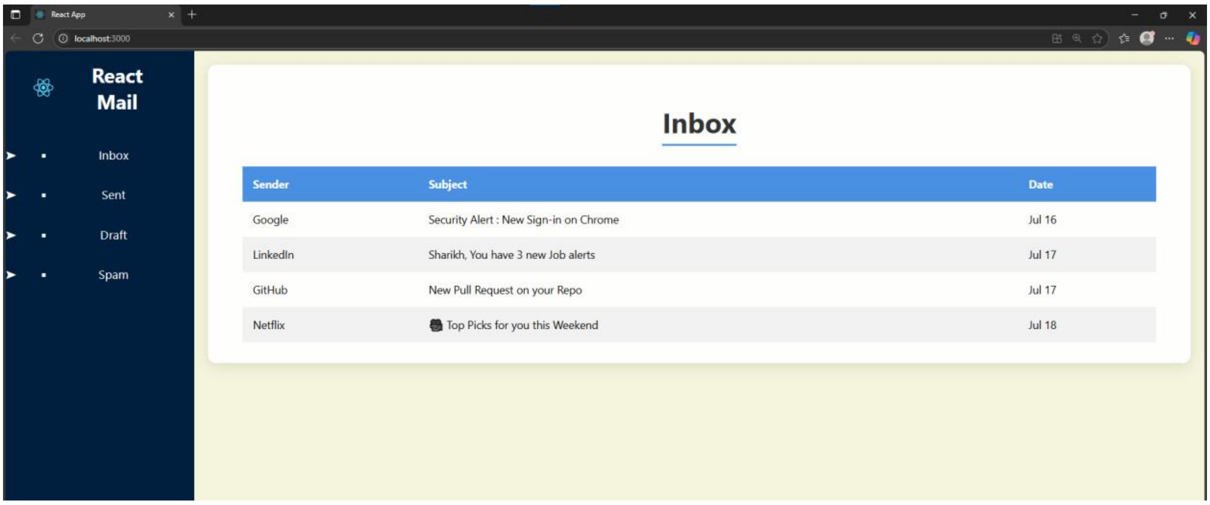


```jsx
const UserForm = () => {
  const handleSubmit = async e => {
      setError("Server error");
    }
  };

  return (
    <div className="user-form-container">
      <h2>User To-Do List Generator</h2>
      <form onSubmit={handleSubmit} className="user-form">
        <label>Name:
          <input type="text" name="name" value={formData.name} onChange={handleChange} />
        </label>
        <label>Age:
          <input type="number" name="age" value={formData.age} onChange={handleChange} min="5" />
        </label>
        <label>Marks:
          <input type="number" name="marks" value={formData.marks} onChange={handleChange} min="0" max="100" />
        </label>
        <button type="submit">Get To-Do List</button>
      </form>

      {error && <p className="error">{error}</p>}

      {userTasks.length > 0 && (
        <div className="task-list">
          <h3>Suggested Tasks:</h3>
          <ul>{userTasks.map((task, i) => <li key={i}>{task}</li>)}</ul>
        </div>
      )}

      {storedUsers.length > 0 && (
        <div className="user-history">
          <h3>Stored Users:</h3>
          <ul>
            {storedUsers.map((u, i) => (
              <li key={i}>
                {u.name} (Age: {u.age}, Marks: {u.marks}) - Tasks: {u.tasks.join(', ')}
              </li>
            ))}
          </ul>
        </div>
      )}
    </div>
  );
};

export default UserForm;
```



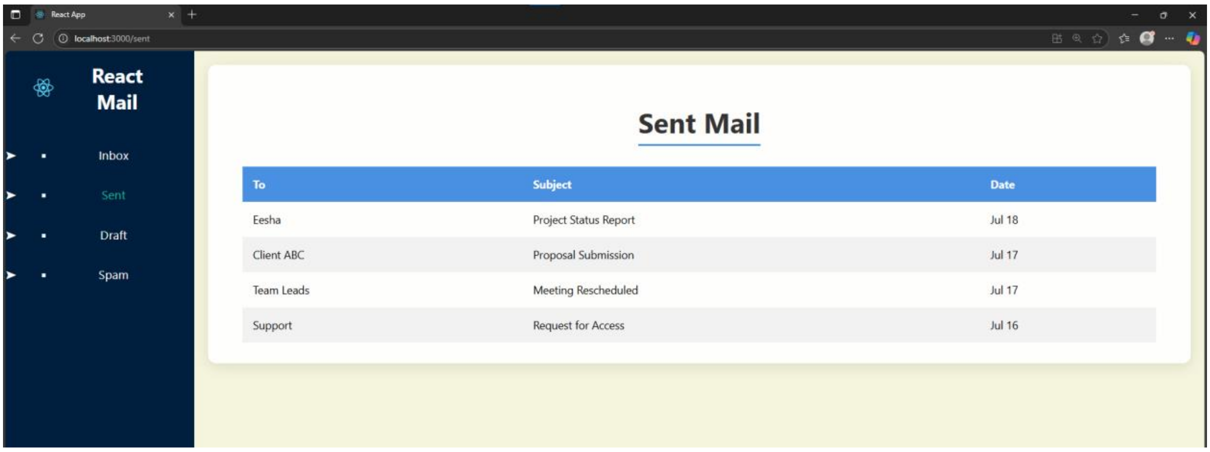
```jsx
import logo from './logo.svg';
import './App.css';
import UserForm from './components/UserForm';

function App() {
  return (
    <div className="App">
      <header className="App-header">
        <img src={logo} className="App-logo" alt="logo" />
        <p>
          Edit <code>src/App.js</code> and save to reload.
        </p>
        <a
          className="App-link"
          href="https://reactjs.org"
          target="_blank"
          rel="noopener noreferrer"
        >
          Learn React
        </a>
      </header>
      <UserForm />
    </div>
  );
}

export default App;
```

Single Page Application



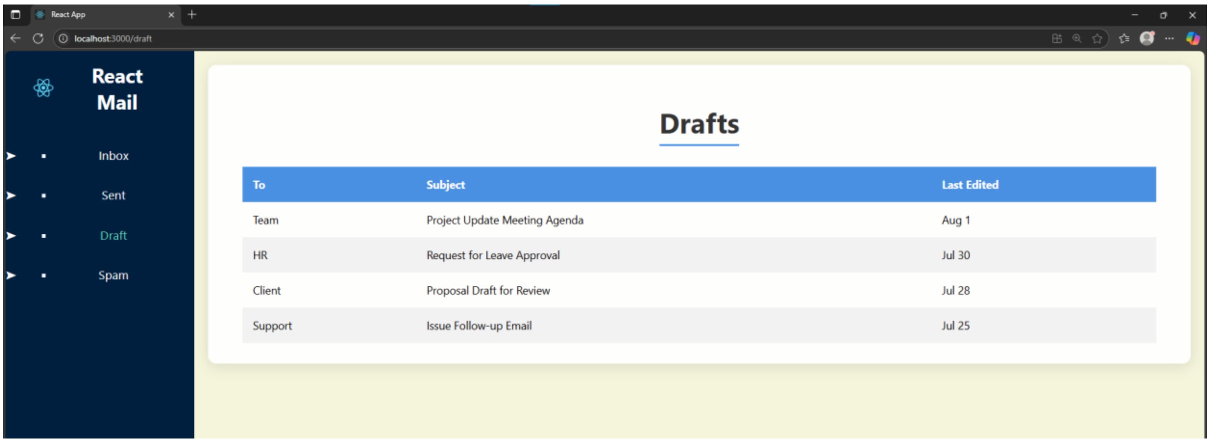
Inbox

Sender	Subject	Date
Google	Security Alert : New Sign-in on Chrome	Jul 16
LinkedIn	Sharikh, You have 3 new Job alerts	Jul 17
GitHub	New Pull Request on your Repo	Jul 17
Netflix	🍿 Top Picks for you this Weekend	Jul 18



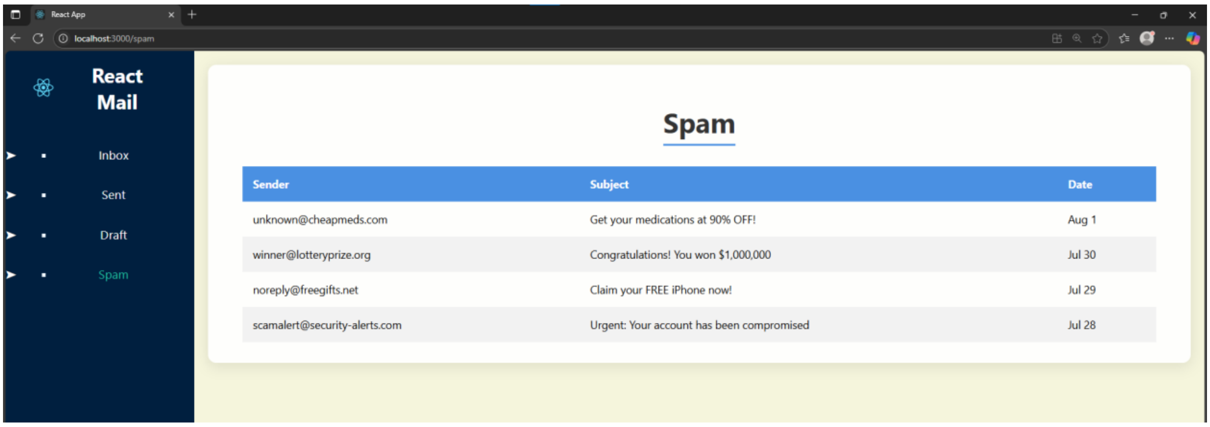
Sent Mail

To	Subject	Date
Eesha	Project Status Report	Jul 18
Client ABC	Proposal Submission	Jul 17
Team Leads	Meeting Rescheduled	Jul 17
Support	Request for Access	Jul 16



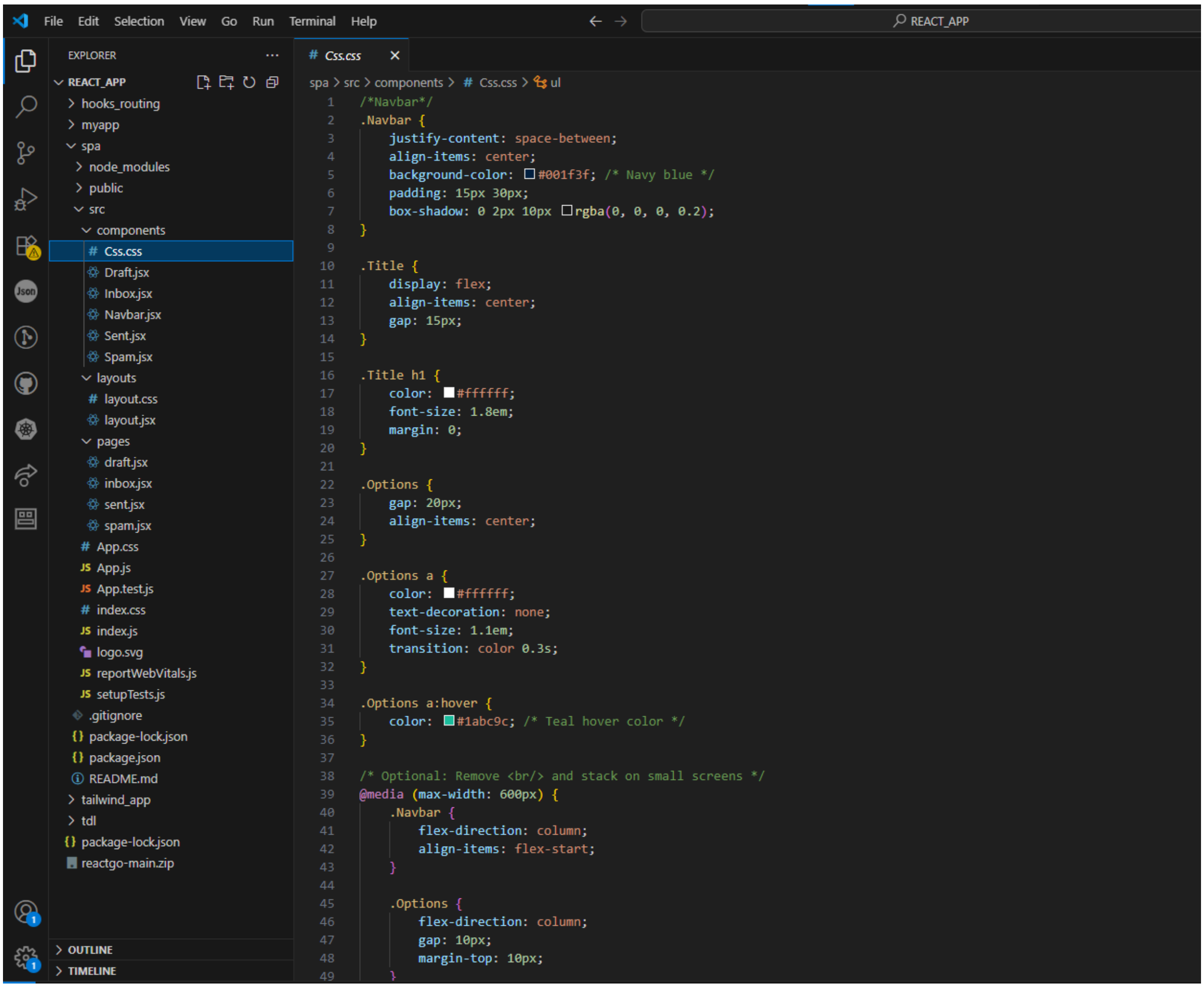
Drafts

To	Subject	Last Edited
Team	Project Update Meeting Agenda	Aug 1
HR	Request for Leave Approval	Jul 30
Client	Proposal Draft for Review	Jul 28
Support	Issue Follow-up Email	Jul 25

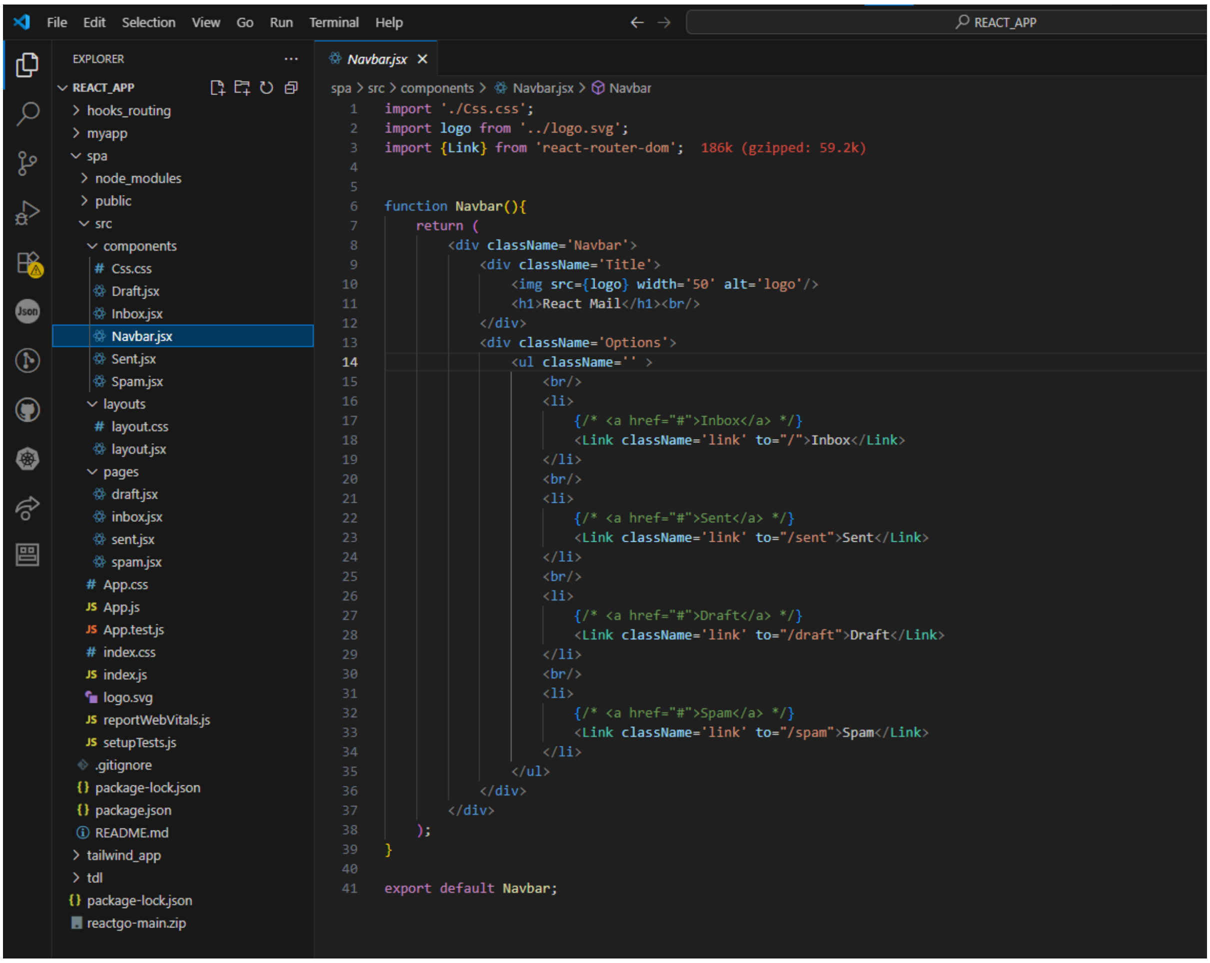


Spam

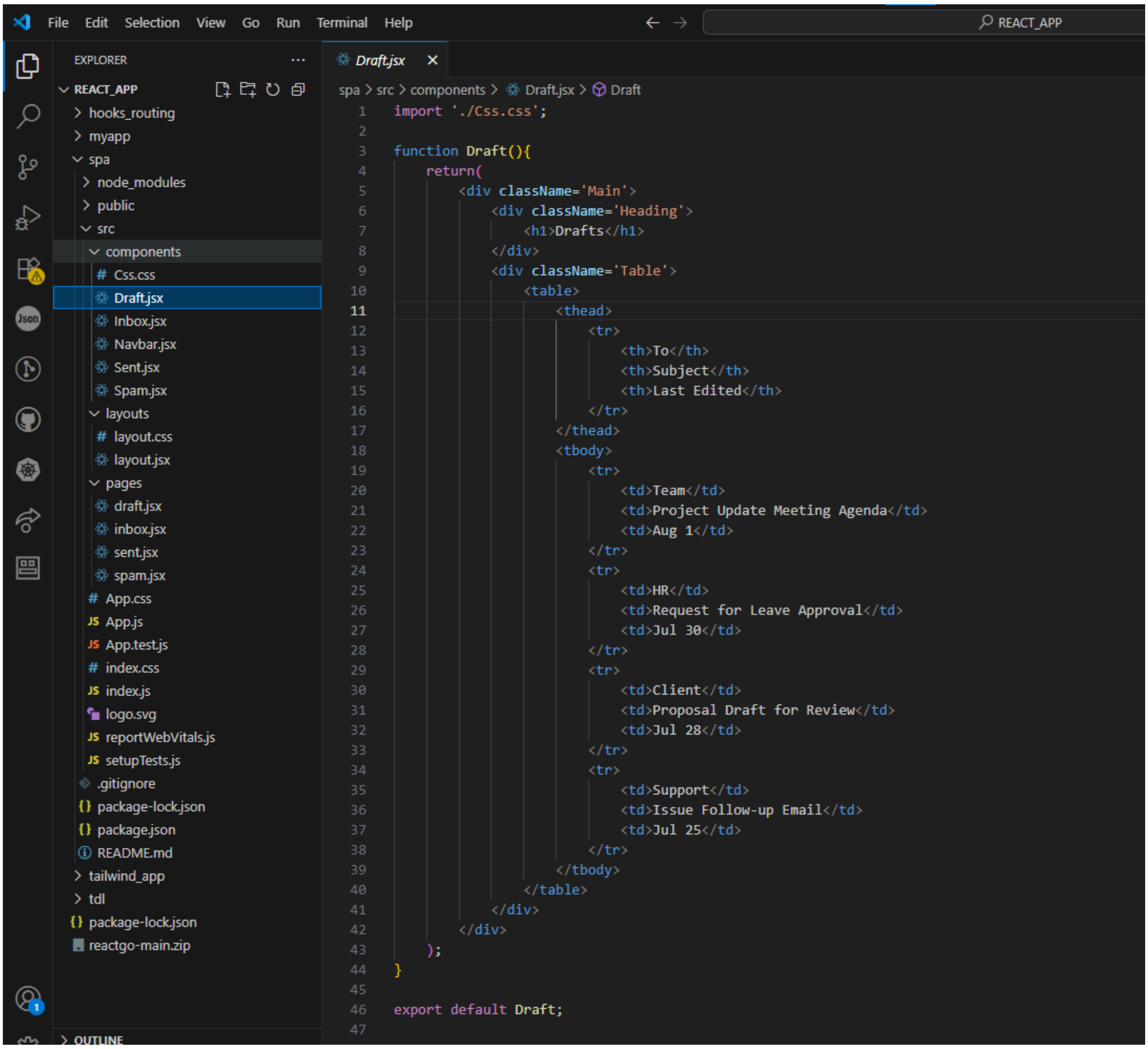
Sender	Subject	Date
unknown@cheapmeds.com	Get your medications at 90% OFF!	Aug 1
winner@lotteryprize.org	Congratulations! You won $1,000,000	Jul 30
noreply@freegifts.net	Claim your FREE iPhone now!	Jul 29
scamalert@security-alerts.com	Urgent: Your account has been compromised	Jul 28



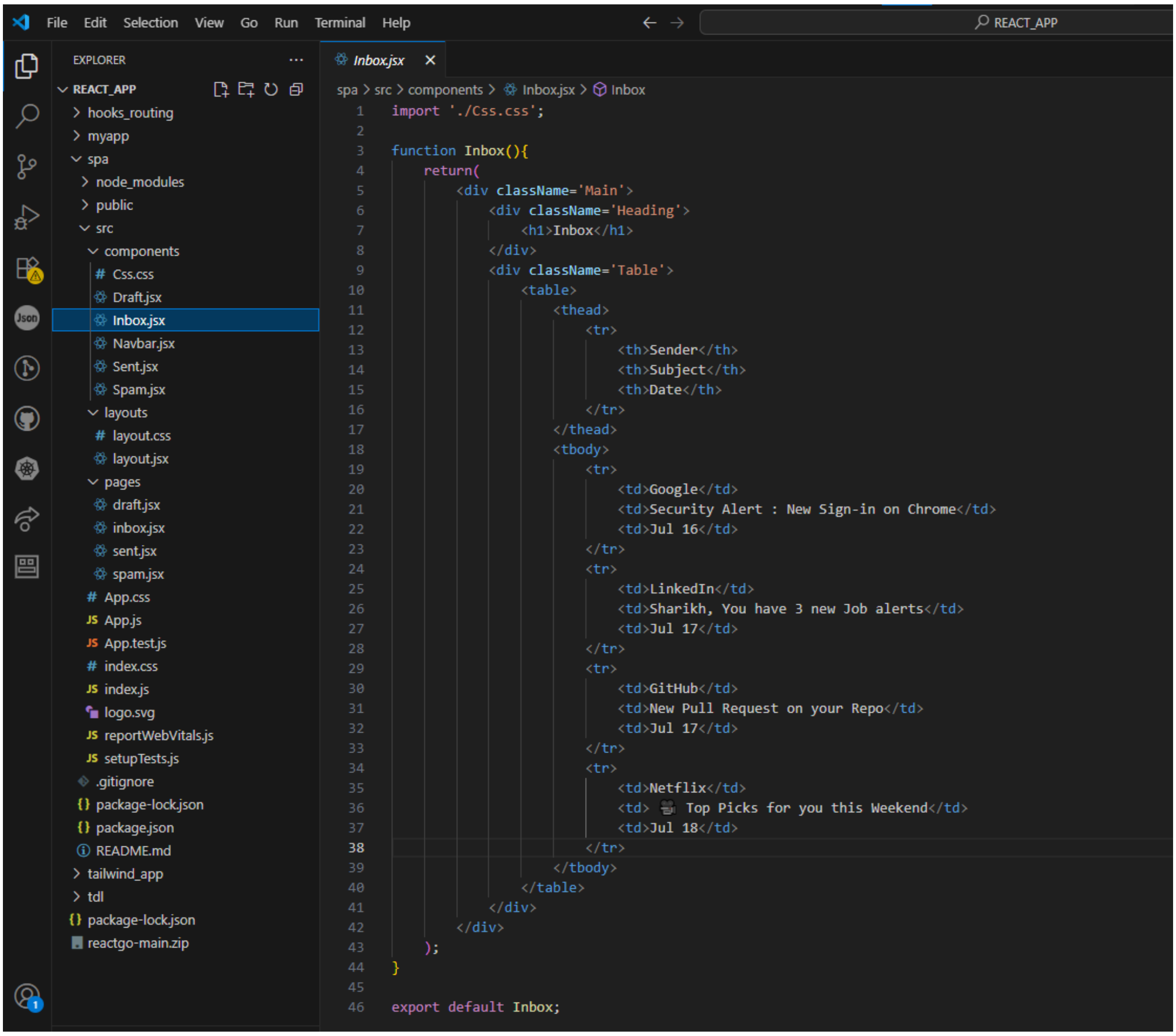
```css
/*Navbar*/
.Navbar {
    justify-content: space-between;
    align-items: center;
    background-color: #001f3f; /* Navy blue */
    padding: 15px 30px;
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.2);
}

.Title {
    display: flex;
    align-items: center;
    gap: 15px;
}

.Title h1 {
    color: #ffffff;
    font-size: 1.8em;
    margin: 0;
}

.Options {
    gap: 20px;
    align-items: center;
}

.Options a {
    color: #ffffff;
    text-decoration: none;
    font-size: 1.1em;
    transition: color 0.3s;
}

.Options a:hover {
    color: #1abc9c; /* Teal hover color */
}

/* Optional: Remove <br/> and stack on small screens */
@media (max-width: 600px) {
    .Navbar {
        flex-direction: column;
        align-items: flex-start;
    }

    .Options {
        flex-direction: column;
        gap: 10px;
        margin-top: 10px;
    }
```



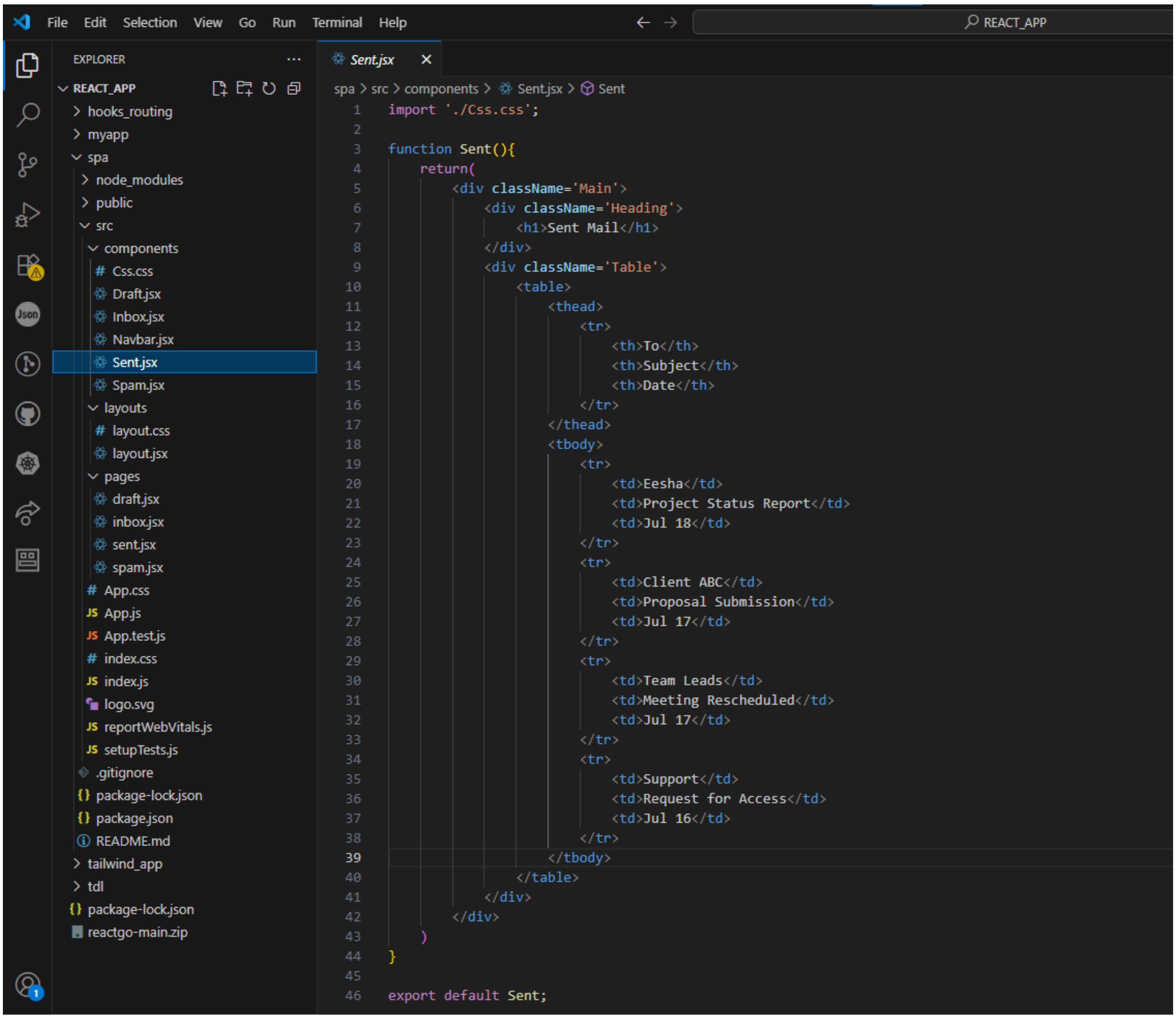
```jsx
import './Css.css';
import logo from '../logo.svg';
import {Link} from 'react-router-dom';  186k (gzipped: 59.2k)


function Navbar(){
    return (
        <div className='Navbar'>
            <div className='Title'>
                <img src={logo} width='50' alt='logo'/>
                <h1>React Mail</h1><br/>
            </div>
            <div className='Options'>
                <ul className='' >
                    <br/>
                    <li>
                        {/* <a href="#">Inbox</a> */}
                        <Link className='link' to="/">Inbox</Link>
                    </li>
                    <br/>
                    <li>
                        {/* <a href="#">Sent</a> */}
                        <Link className='link' to="/sent">Sent</Link>
                    </li>
                    <br/>
                    <li>
                        {/* <a href="#">Draft</a> */}
                        <Link className='link' to="/draft">Draft</Link>
                    </li>
                    <br/>
                    <li>
                        {/* <a href="#">Spam</a> */}
                        <Link className='link' to="/spam">Spam</Link>
                    </li>
                </ul>
            </div>
        </div>
    );
}

export default Navbar;
```



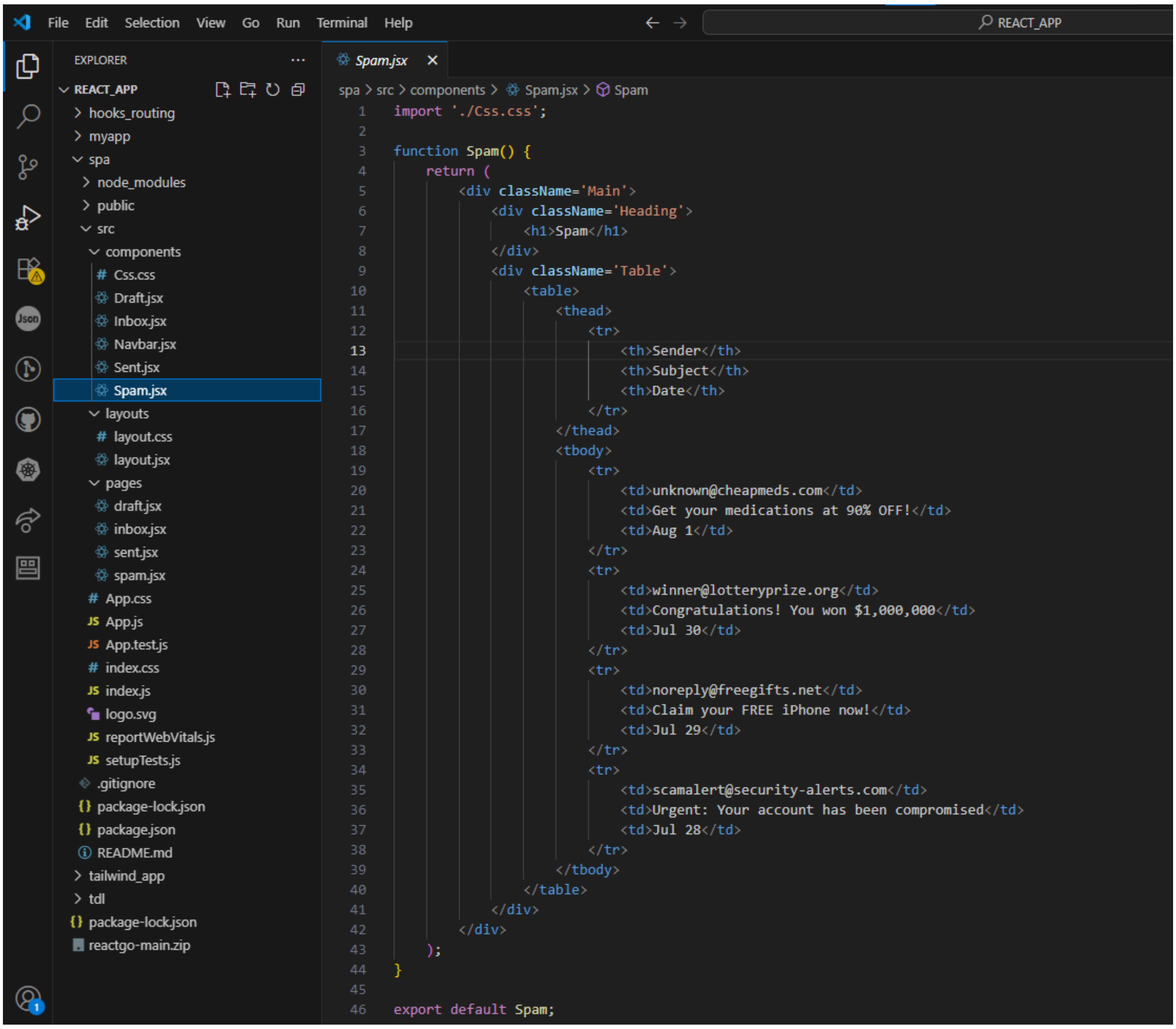
```jsx
import './Css.css';

function Draft(){
    return(
        <div className='Main'>
            <div className='Heading'>
                <h1>Drafts</h1>
            </div>
            <div className='Table'>
                <table>
                    <thead>
                        <tr>
                            <th>To</th>
                            <th>Subject</th>
                            <th>Last Edited</th>
                        </tr>
                    </thead>
                    <tbody>
                        <tr>
                            <td>Team</td>
                            <td>Project Update Meeting Agenda</td>
                            <td>Aug 1</td>
                        </tr>
                        <tr>
                            <td>HR</td>
                            <td>Request for Leave Approval</td>
                            <td>Jul 30</td>
                        </tr>
                        <tr>
                            <td>Client</td>
                            <td>Proposal Draft for Review</td>
                            <td>Jul 28</td>
                        </tr>
                        <tr>
                            <td>Support</td>
                            <td>Issue Follow-up Email</td>
                            <td>Jul 25</td>
                        </tr>
                    </tbody>
                </table>
            </div>
        </div>
    );
}

export default Draft;
```



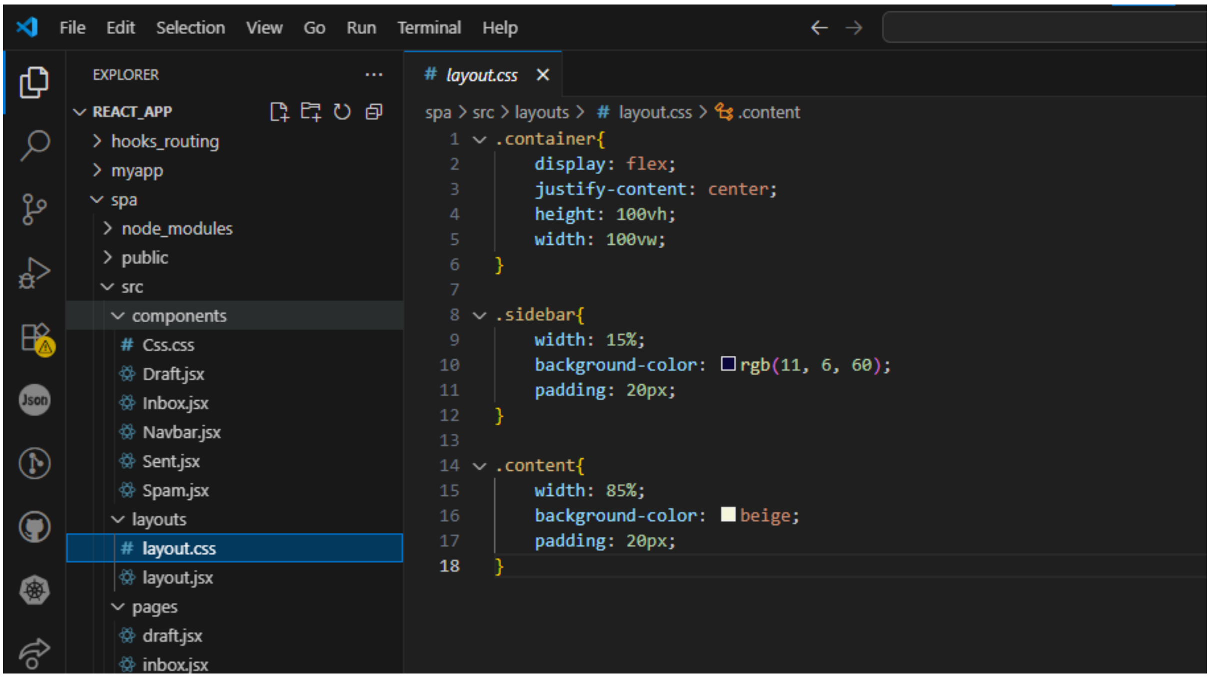
```jsx
import './Css.css';

function Inbox(){
    return(
        <div className='Main'>
            <div className='Heading'>
                <h1>Inbox</h1>
            </div>
            <div className='Table'>
                <table>
                    <thead>
                        <tr>
                            <th>Sender</th>
                            <th>Subject</th>
                            <th>Date</th>
                        </tr>
                    </thead>
                    <tbody>
                        <tr>
                            <td>Google</td>
                            <td>Security Alert : New Sign-in on Chrome</td>
                            <td>Jul 16</td>
                        </tr>
                        <tr>
                            <td>LinkedIn</td>
                            <td>Sharikh, You have 3 new Job alerts</td>
                            <td>Jul 17</td>
                        </tr>
                        <tr>
                            <td>GitHub</td>
                            <td>New Pull Request on your Repo</td>
                            <td>Jul 17</td>
                        </tr>
                        <tr>
                            <td>Netflix</td>
                            <td> 🎥 Top Picks for you this Weekend</td>
                            <td>Jul 18</td>
                        </tr>
                    </tbody>
                </table>
            </div>
        </div>
    );
}

export default Inbox;
```



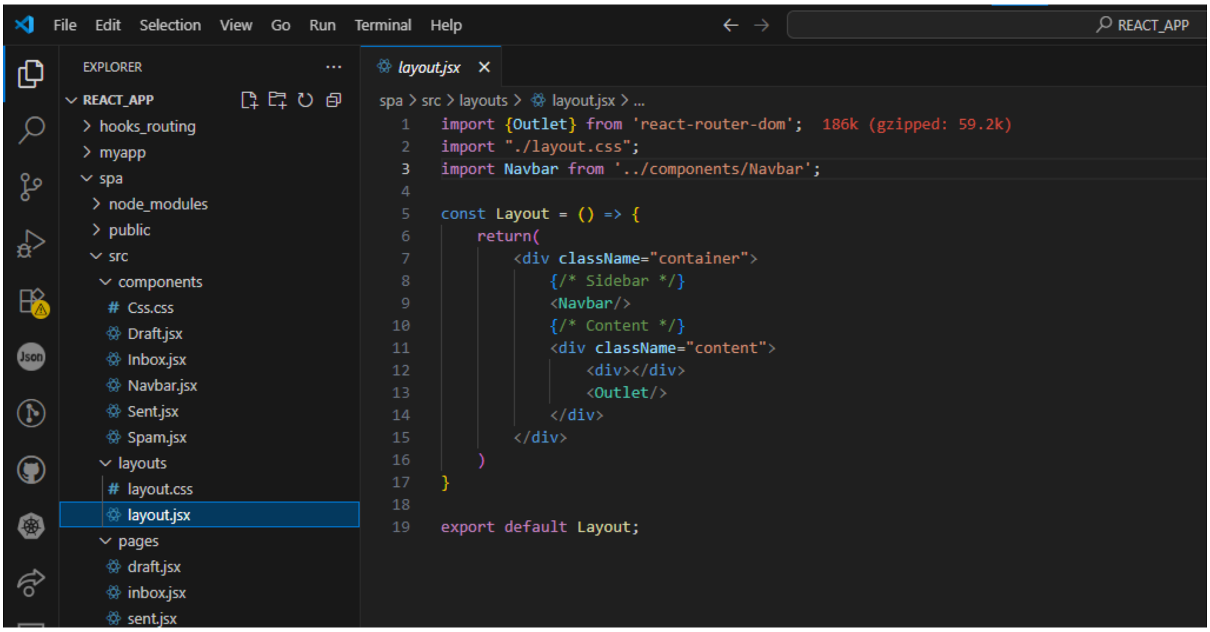
```
import './Css.css';

function Sent(){
    return(
        <div className='Main'>
            <div className='Heading'>
                <h1>Sent Mail</h1>
            </div>
            <div className='Table'>
                <table>
                    <thead>
                        <tr>
                            <th>To</th>
                            <th>Subject</th>
                            <th>Date</th>
                        </tr>
                    </thead>
                    <tbody>
                        <tr>
                            <td>Eesha</td>
                            <td>Project Status Report</td>
                            <td>Jul 18</td>
                        </tr>
                        <tr>
                            <td>Client ABC</td>
                            <td>Proposal Submission</td>
                            <td>Jul 17</td>
                        </tr>
                        <tr>
                            <td>Team Leads</td>
                            <td>Meeting Rescheduled</td>
                            <td>Jul 17</td>
                        </tr>
                        <tr>
                            <td>Support</td>
                            <td>Request for Access</td>
                            <td>Jul 16</td>
                        </tr>
                    </tbody>
                </table>
            </div>
        </div>
    )
}

export default Sent;
```



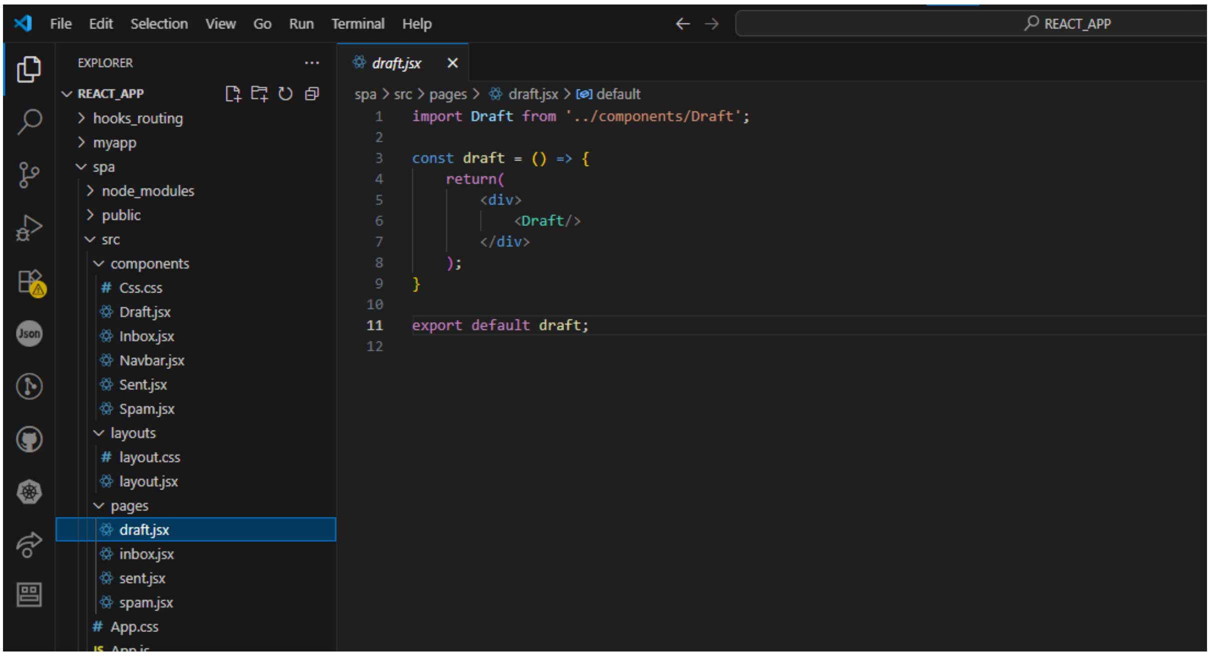
```
import './Css.css';

function Spam() {
    return (
        <div className='Main'>
            <div className='Heading'>
                <h1>Spam</h1>
            </div>
            <div className='Table'>
                <table>
                    <thead>
                        <tr>
                            <th>Sender</th>
                            <th>Subject</th>
                            <th>Date</th>
                        </tr>
                    </thead>
                    <tbody>
                        <tr>
                            <td>unknown@cheapmeds.com</td>
                            <td>Get your medications at 90% OFF!</td>
                            <td>Aug 1</td>
                        </tr>
                        <tr>
                            <td>winner@lotteryprize.org</td>
                            <td>Congratulations! You won $1,000,000</td>
                            <td>Jul 30</td>
                        </tr>
                        <tr>
                            <td>noreply@freegifts.net</td>
                            <td>Claim your FREE iPhone now!</td>
                            <td>Jul 29</td>
                        </tr>
                        <tr>
                            <td>scamalert@security-alerts.com</td>
                            <td>Urgent: Your account has been compromised</td>
                            <td>Jul 28</td>
                        </tr>
                    </tbody>
                </table>
            </div>
        </div>
    );
}

export default Spam;
```



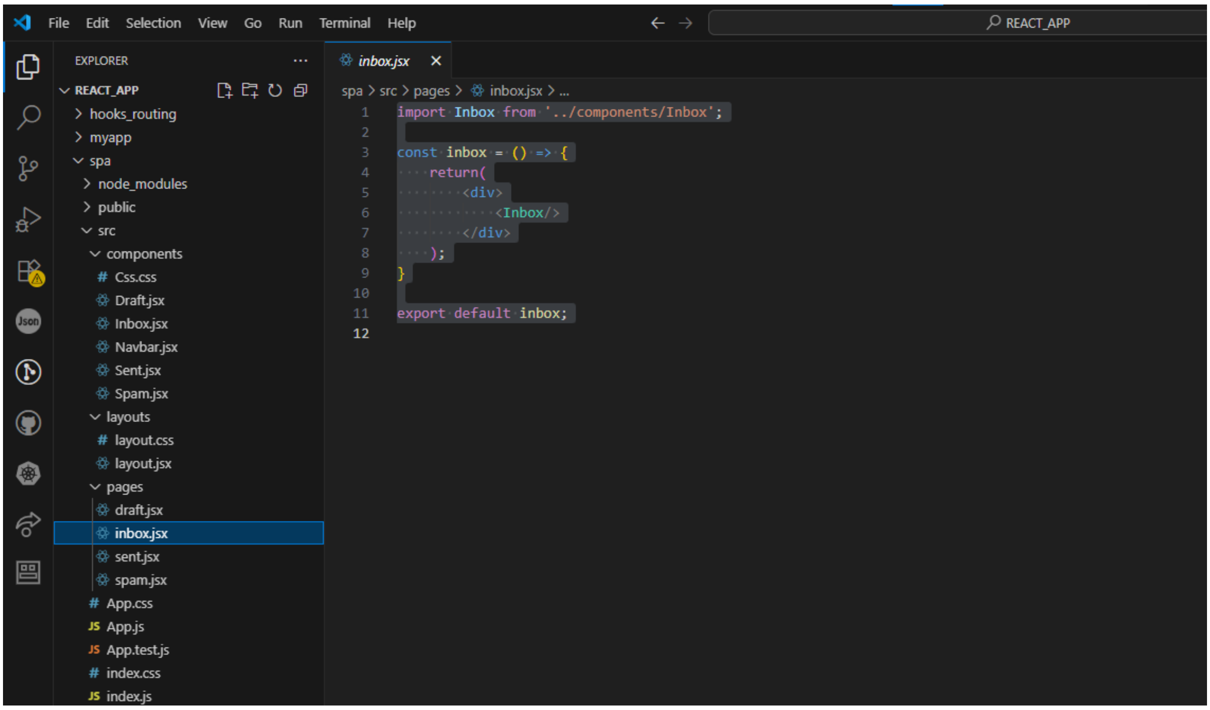
```
.container{
    display: flex;
    justify-content: center;
    height: 100vh;
    width: 100vw;
}

.sidebar{
    width: 15%;
    background-color: rgb(11, 6, 60);
    padding: 20px;
}

.content{
    width: 85%;
    background-color: beige;
    padding: 20px;
}
```



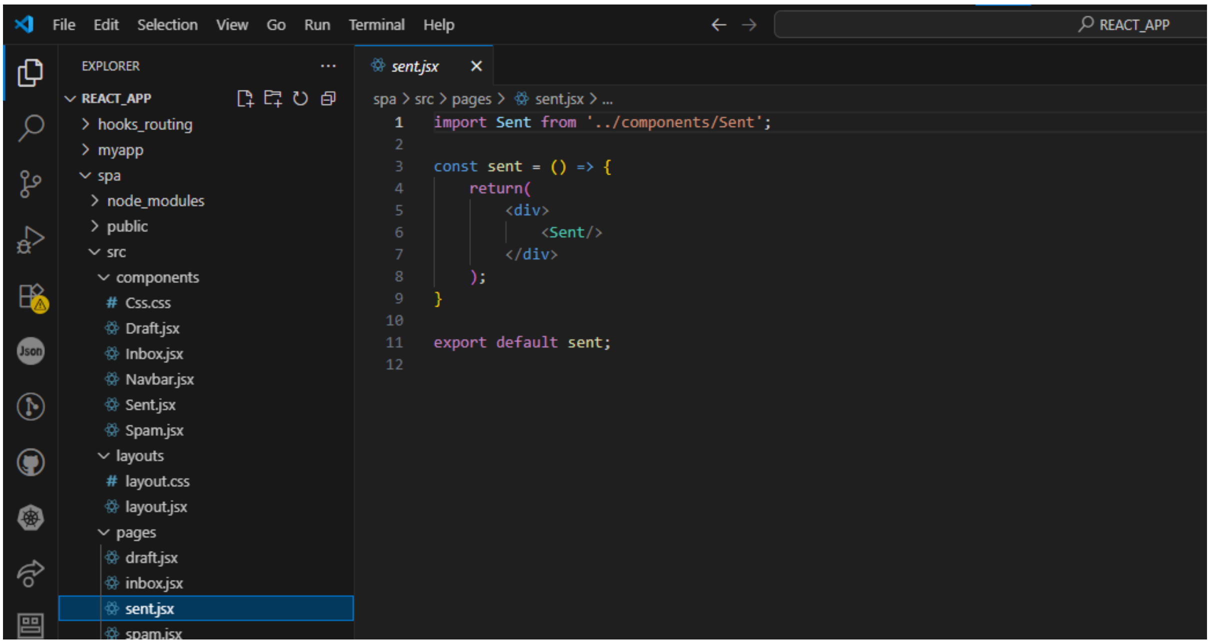
```jsx
import {Outlet} from 'react-router-dom';  186k (gzipped: 59.2k)
import "./layout.css";
import Navbar from '../components/Navbar';

const Layout = () => {
    return(
        <div className="container">
            {/* Sidebar */}
            <Navbar/>
            {/* Content */}
            <div className="content">
                <div></div>
                <Outlet/>
            </div>
        </div>
    )
}

export default Layout;
```



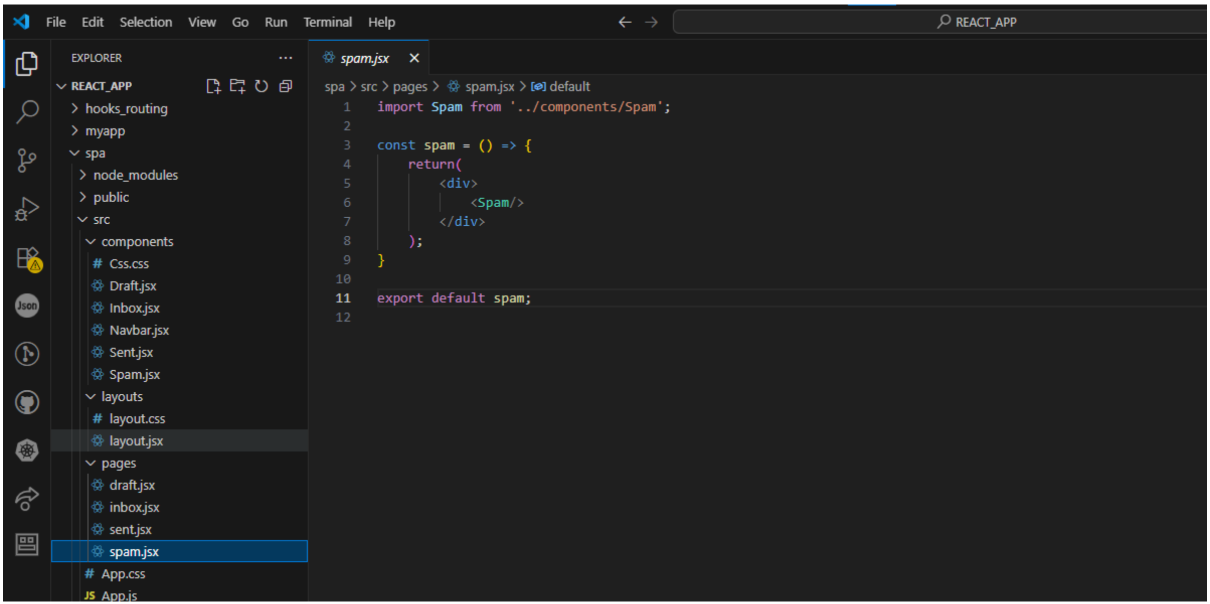
```jsx
import Draft from '../components/Draft';

const draft = () => {
    return(
        <div>
            <Draft/>
        </div>
    );
}

export default draft;

```



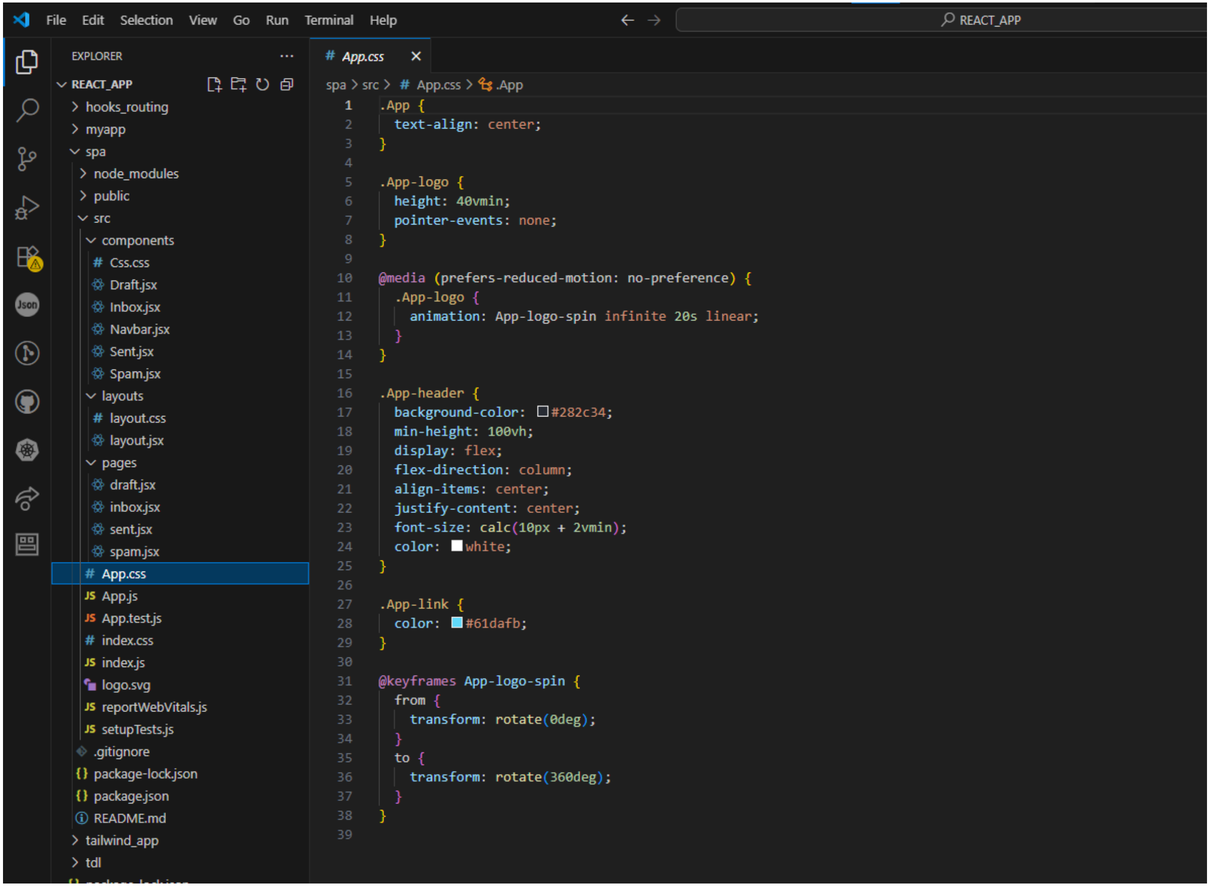
```
import Inbox from '../components/Inbox';

const inbox = () => {
    return(
        <div>
            <Inbox/>
        </div>
    );
}

export default inbox;
```



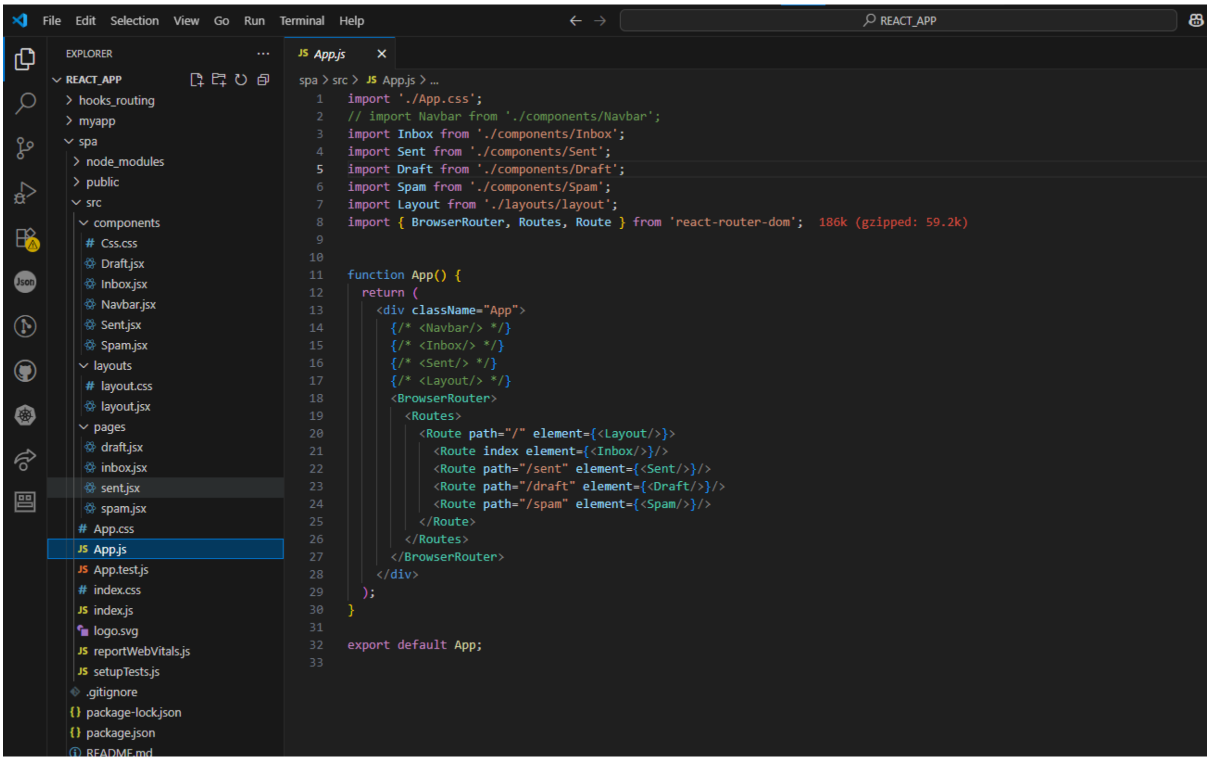
```
import Sent from '../components/Sent';

const sent = () => {
    return(
        <div>
            <Sent/>
        </div>
    );
}

export default sent;
```



```jsx
import Spam from '../components/Spam';

const spam = () => {
    return(
        <div>
            <Spam/>
        </div>
    );
}

export default spam;
```



```css
.App {
  text-align: center;
}

.App-logo {
  height: 40vmin;
  pointer-events: none;
}

@media (prefers-reduced-motion: no-preference) {
  .App-logo {
    animation: App-logo-spin infinite 20s linear;
  }
}

.App-header {
  background-color: #282c34;
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
}

.App-link {
  color: #61dafb;
}

@keyframes App-logo-spin {
  from {
    transform: rotate(0deg);
  }
  to {
    transform: rotate(360deg);
  }
}
```



```
import './App.css';
// import Navbar from './components/Navbar';
import Inbox from './components/Inbox';
import Sent from './components/Sent';
import Draft from './components/Draft';
import Spam from './components/Spam';
import Layout from './layouts/layout';
import { BrowserRouter, Routes, Route } from 'react-router-dom';  186k (gzipped: 59.2k)


function App() {
  return (
    <div className="App">
      {/* <Navbar/> */}
      {/* <Inbox/> */}
      {/* <Sent/> */}
      {/* <Layout/> */}
      <BrowserRouter>
        <Routes>
          <Route path="/" element={<Layout/>}>
            <Route index element={<Inbox/>}/>
            <Route path="/sent" element={<Sent/>}/>
            <Route path="/draft" element={<Draft/>}/>
            <Route path="/spam" element={<Spam/>}/>
          </Route>
        </Routes>
      </BrowserRouter>
    </div>
  );
}

export default App;
```