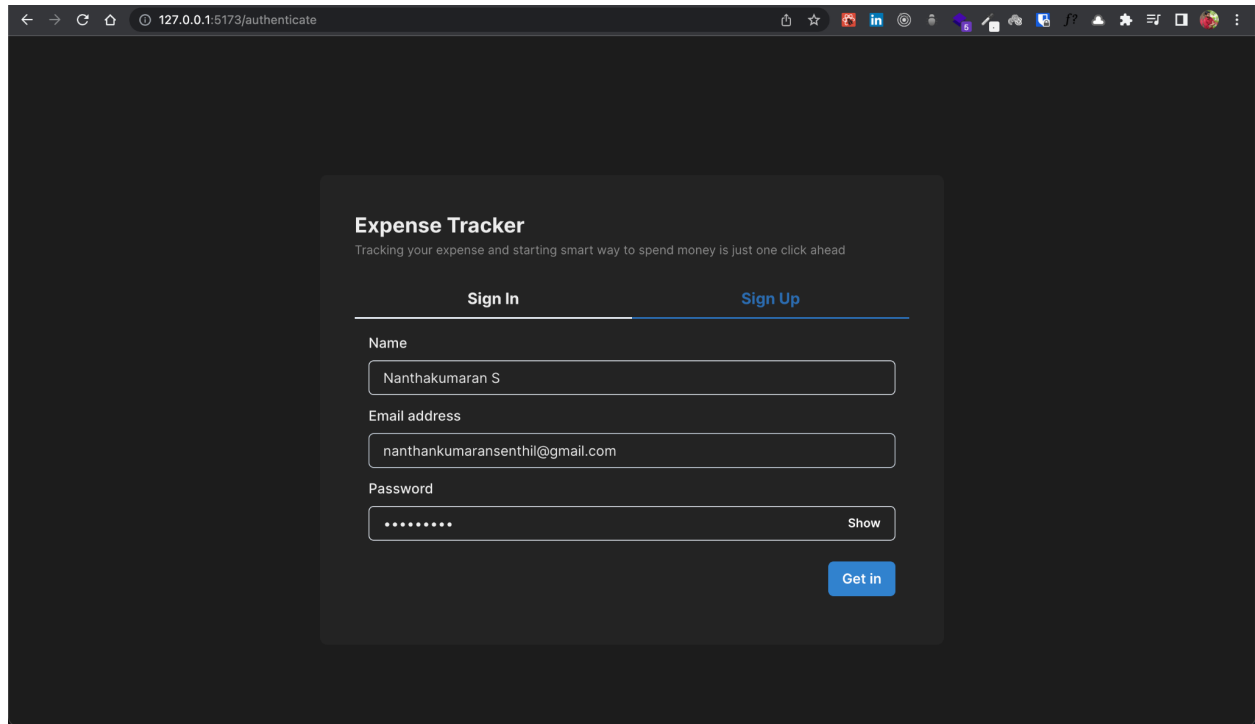


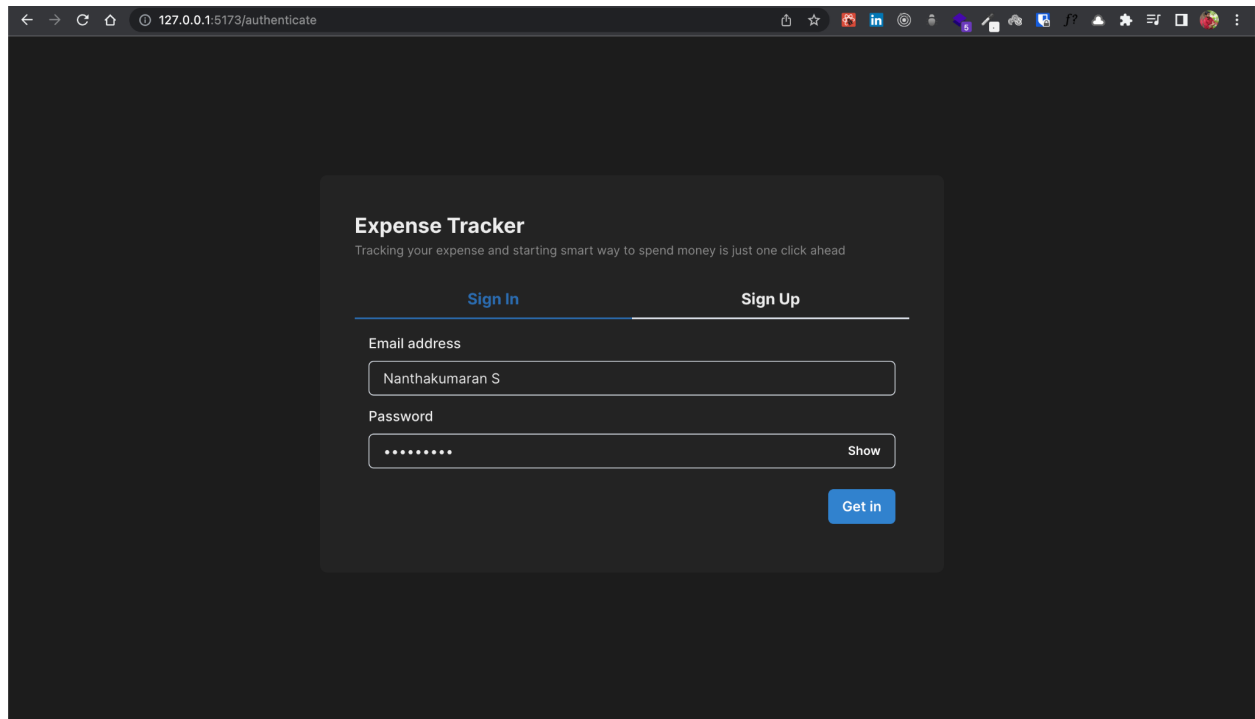
## Project Development phase - Sprint 1

Team ID	PNT2022TMID04668
Project Name	Personal Expense Tracker

### Login & Registration Pages

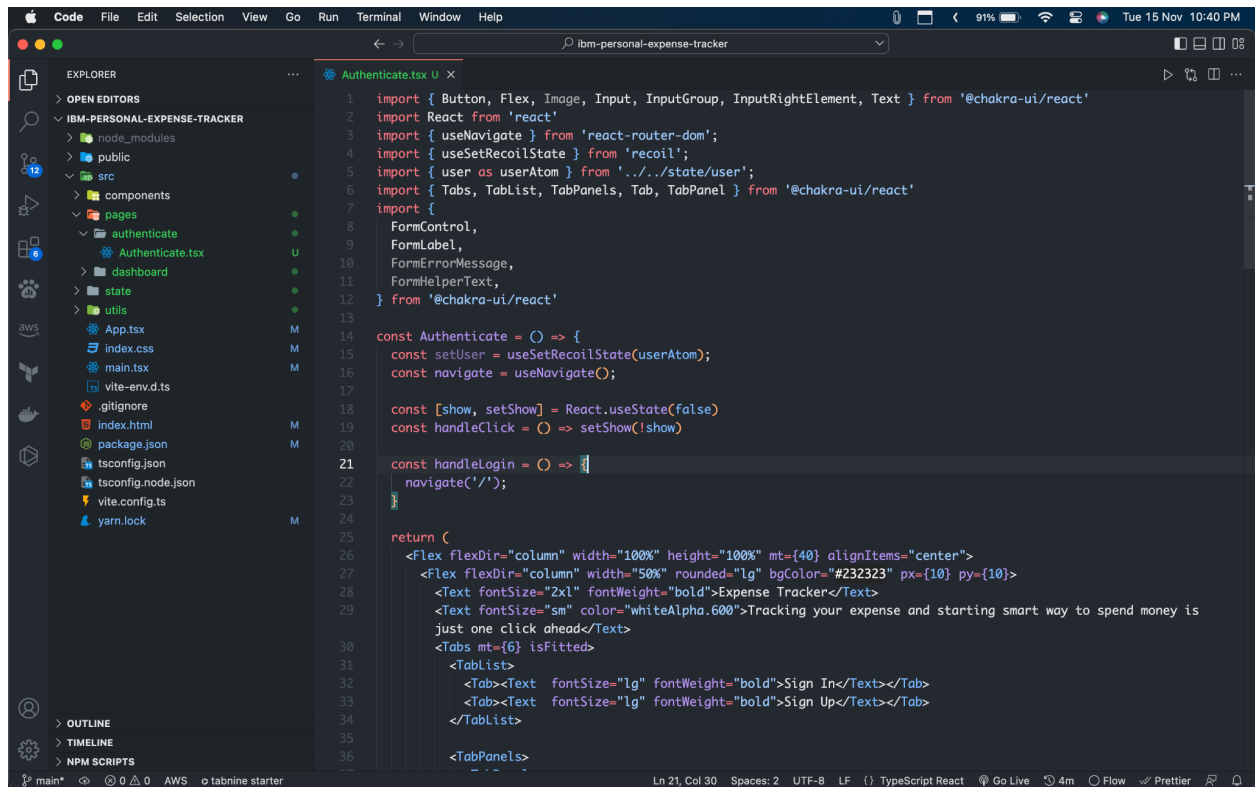


A screenshot of a web browser displaying the 'Expense Tracker' application. The browser's address bar shows '127.0.0.1:5173/authenticate'. The page has a dark theme. At the top, the title 'Expense Tracker' is followed by the tagline 'Tracking your expense and starting smart way to spend money is just one click ahead'. Below this, there are two tabs: 'Sign In' (active) and 'Sign Up'. The 'Sign In' form includes three input fields: 'Name' (containing 'Nanthakumaran S'), 'Email address' (containing 'nanthakumaransenthil@gmail.com'), and 'Password' (masked with dots). A 'Show' button is next to the password field. A blue 'Get in' button is at the bottom right of the form.

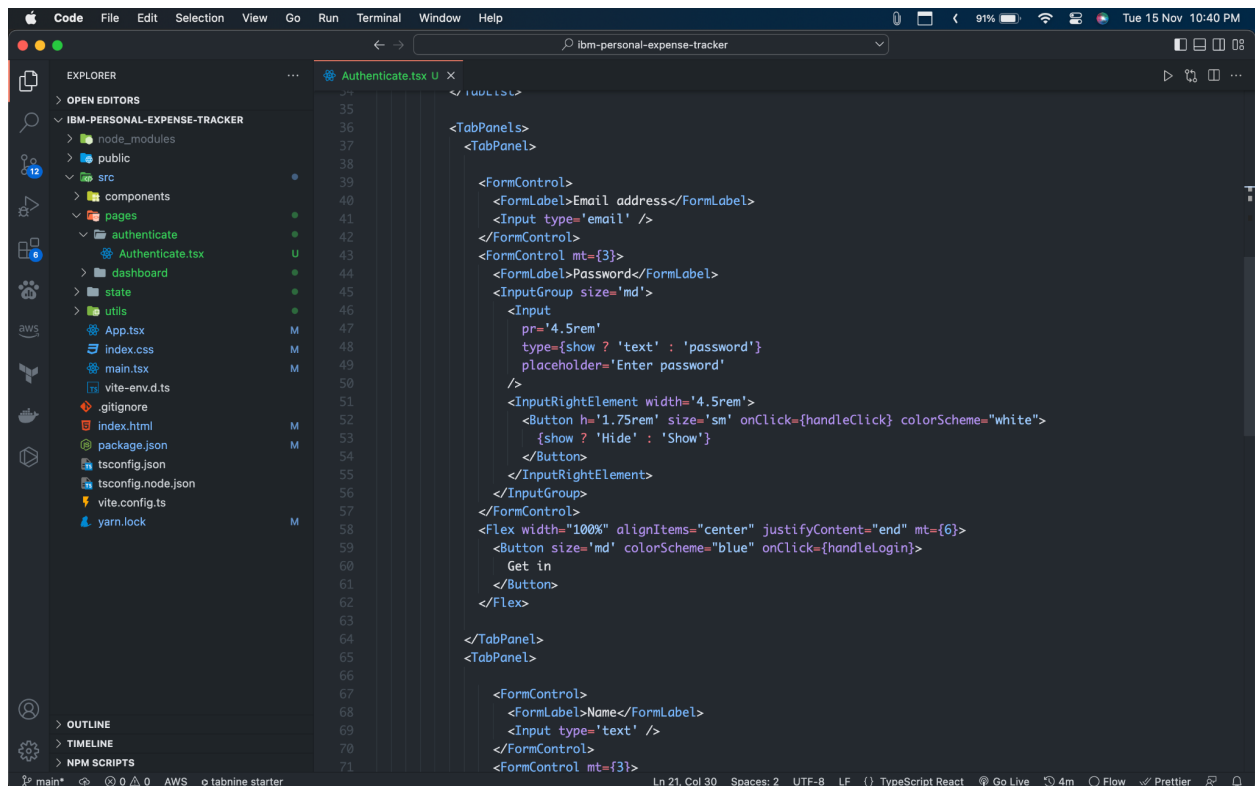


A screenshot of the same 'Expense Tracker' application, but with the 'Sign Up' tab selected. The 'Sign In' tab is now inactive. The 'Sign Up' form includes two input fields: 'Email address' (containing 'Nanthakumaran S') and 'Password' (masked with dots). A 'Show' button is next to the password field. A blue 'Get in' button is at the bottom right of the form.

## FrontEnd Code



```
1 import { Button, Flex, Image, Input, InputGroup, InputRightElement, Text } from '@chakra-ui/react'
2 import React from 'react'
3 import { useNavigate } from 'react-router-dom';
4 import { useSetRecoilState } from 'recoil';
5 import { user as userAtom } from '../../state/user';
6 import { Tabs, TabList, TabPanels, Tab, TabPanel } from '@chakra-ui/react'
7 import {
8   FormControl,
9   FormLabel,
10  FormErrorMessage,
11  FormHelperText,
12 } from '@chakra-ui/react'
13
14 const Authenticate = () => {
15   const setUser = useSetRecoilState(userAtom);
16   const navigate = useNavigate();
17
18   const [show, setShow] = React.useState(false)
19   const handleClick = () => setShow(!show)
20
21   const handleLogin = () => {
22     navigate('/');
23   }
24
25   return (
26     <Flex flexDir="column" width="100%" height="100%" mt={40} alignItems="center">
27       <Flex flexDir="column" width="50%" rounded="lg" bgColor="#232323" px={10} py={10}>
28         <Text fontSize="2xl" fontWeight="bold">Expense Tracker</Text>
29         <Text fontSize="sm" color="whiteAlpha.600">Tracking your expense and starting smart way to spend money is
30           just one click ahead</Text>
31         <Tabs mt={6} isFitted>
32           <TabList>
33             <Tab><Text fontSize="lg" fontWeight="bold">Sign In</Text></Tab>
34             <Tab><Text fontSize="lg" fontWeight="bold">Sign Up</Text></Tab>
35           </TabList>
36           <TabPanels>
```



```
35   </TabList>
36   <TabPanels>
37     <TabPanel>
38       <FormControl>
39         <FormLabel>Email address</FormLabel>
40         <Input type="email" />
41       </FormControl>
42       <FormControl mt={3}>
43         <FormLabel>Password</FormLabel>
44         <InputGroup size="md">
45           <Input
46             pr="4.5rem"
47             type={show ? 'text' : 'password'}
48             placeholder="Enter password"
49           />
50           <InputRightElement width="4.5rem">
51             <Button h="1.75rem" size="sm" onClick={handleClick} colorScheme="white">
52               {show ? 'Hide' : 'Show'}
53             </Button>
54           </InputRightElement>
55         </InputGroup>
56       </FormControl>
57       <Flex width="100%" alignItems="center" justifyContent="end" mt={6}>
58         <Button size="md" colorScheme="blue" onClick={handleLogin}>
59           Get in
60         </Button>
61       </Flex>
62     </TabPanel>
63     <TabPanel>
64       <FormControl>
65         <FormLabel>Name</FormLabel>
66         <Input type="text" />
67       </FormControl>
68       <FormLabel>
69         <FormLabel>Email address</FormLabel>
70         <Input type="email" />
71       </FormLabel>
```

The screenshot shows the VS Code editor interface with the file `Authenticate.tsx` open. The Explorer sidebar on the left shows the project structure, including `node_modules`, `public`, `src`, `components`, `pages`, `authenticate`, `dashboard`, `state`, and `utils`. The main editor area displays the following code:

```
65 <TabPanel>
66
67 <FormControl>
68   <FormLabel>Name</FormLabel>
69   <Input type='text' />
70 </FormControl>
71 <FormControl mt={3}>
72   <FormLabel>Email address</FormLabel>
73   <Input type='email' />
74 </FormControl>
75 <FormControl mt={3}>
76   <FormLabel>Password</FormLabel>
77   <InputGroup size='md'>
78     <Input
79       pr='4.5rem'
80       type={show ? 'text' : 'password'}
81       placeholder='Enter password'
82     />
83     <InputRightElement width='4.5rem'>
84       <Button h='1.75rem' size='sm' onClick={handleClick} colorScheme='white'>
85         {show ? 'Hide' : 'Show'}
86       </Button>
87     </InputRightElement>
88   </InputGroup>
89 </FormControl>
90 <Flex width='100%' alignItems='center' justifyContent='end' mt={6}>
91   <Button size='md' colorScheme='blue'>
92     Get in
93   </Button>
94 </Flex>
95
96 </TabPanel>
97 </TabPanels>
98 </Tabs>
99 </Flex>
100 </Flex>
101
```

## Flask Code

The screenshot shows the VS Code editor interface with the file `app.py` open. The Explorer sidebar on the left shows the project structure, including `certificates`, `controllers`, `__pycache__`, `budgets.py`, `login.py`, `register.py`, `transactions.py`, `db`, `migration`, and `app.py`. The main editor area displays the following code:

```
1 from flask import Flask, request
2 from controllers.login import Login
3 from controllers.register import Register
4 from controllers.budgets import Budgets
5 from db import db
6
7 app = Flask(__name__)
8
9 login_controller = Login()
10 register_controller = Register()
11 budget_controller = Budgets()
12
13 @app.route("/api/login", methods=["post"])
14 def auth():
15     return login_controller.post()
16
17 @app.route("/api/register", methods=["post"])
18 def register():
19     return register_controller.post()
20
21 @app.route("/verification/<email>", methods=["get"])
```

