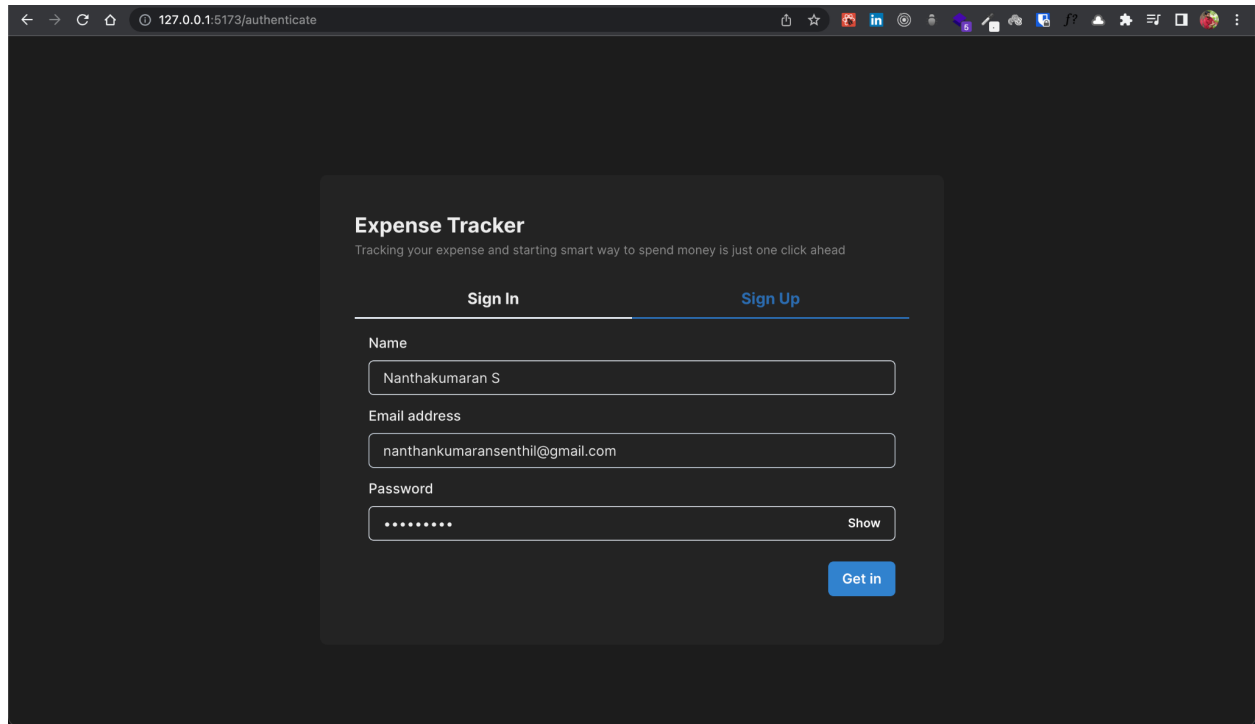


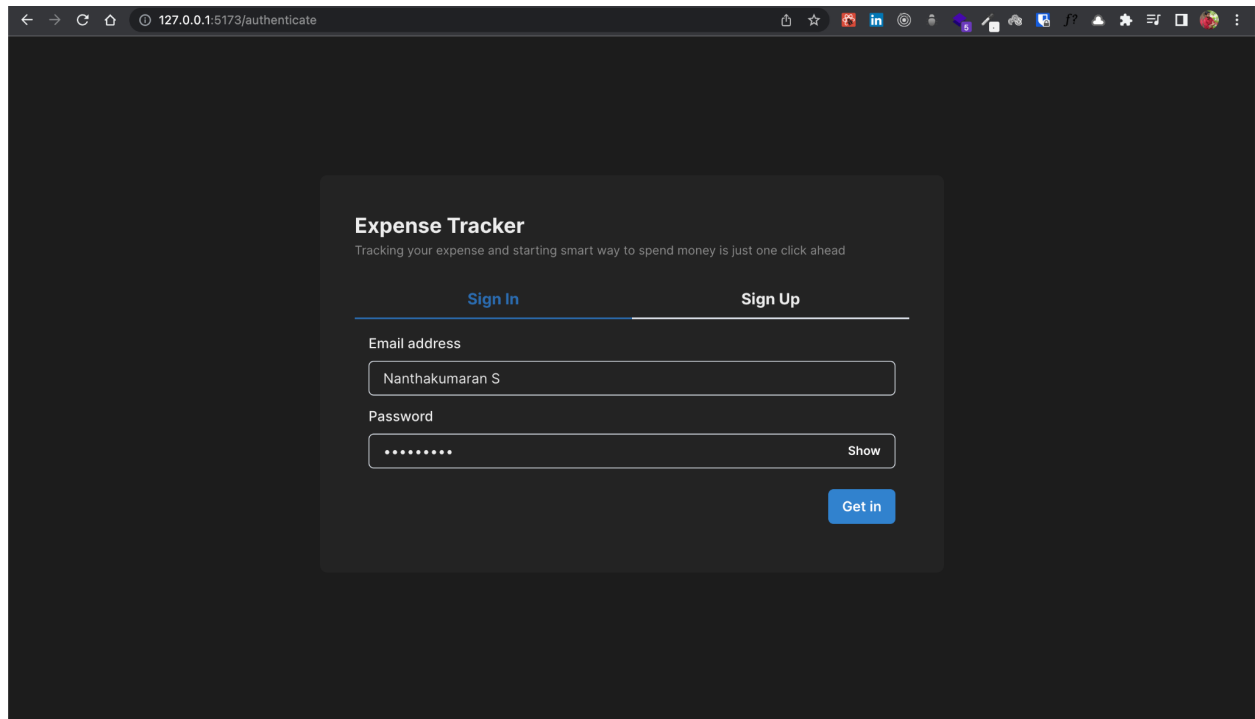
Project Development phase - Sprint 1

| | |
|--------------|--------------------------|
| Team ID | PNT2022TMID18559 |
| 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 browser address bar remains '127.0.0.1:5173/authenticate'. 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       <FormControl mt={3}>
```

The screenshot shows the VS Code editor interface for the 'IBM-Personal-Expense-Tracker' project. The Explorer sidebar on the left displays the project structure, including folders like 'node_modules', 'public', 'src', 'components', 'pages', 'authenticate', 'dashboard', 'state', and 'utils'. The 'Authenticate.tsx' file is open in the editor, showing a React component with a form for authentication. The code includes labels for Name, Email address, and Password, along with input fields and buttons for login and registration. The status bar at the bottom indicates the file is at Line 21, Column 30, using UTF-8 encoding and LF line endings.

```
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 for the 'EXPENSE_TRACKER' project. The Explorer sidebar on the left displays the project structure, including folders like 'certificates', 'controllers', 'db', 'migration', and 'app.py'. The 'app.py' file is open in the editor, showing the Flask application code. The code includes imports for Flask, request, and various controllers, as well as the initialization of the Flask app and the definition of routes for login, register, and verification.

```
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"])
```

