

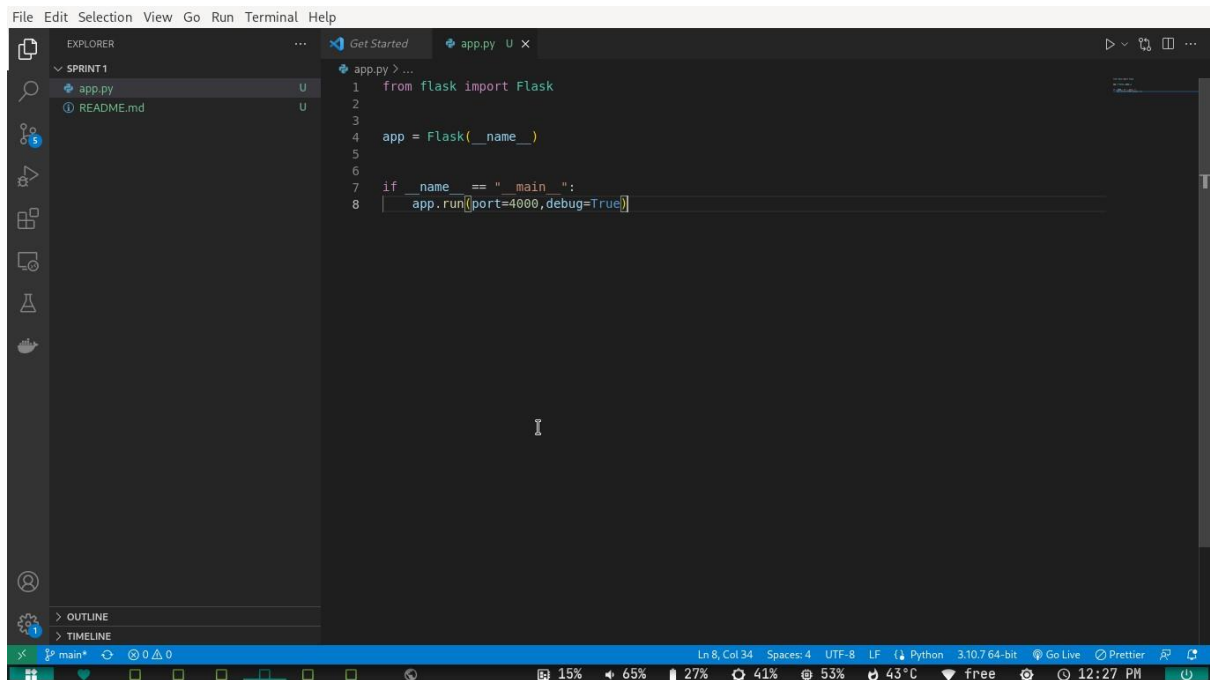
Project Development Phase

Sprint – 4 Report

Date	26 october 2022
Team ID	PNT2022TMID32962
Project Name	Personal Expense Tracker Application

1. Flask – done

installation and Started working



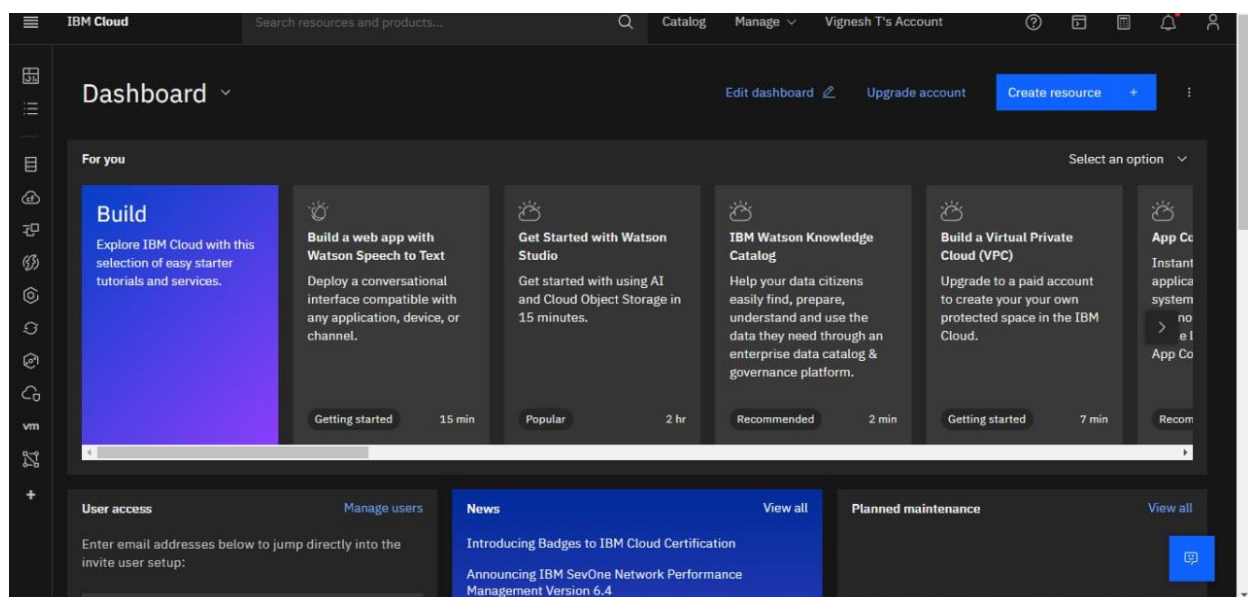
The screenshot shows a code editor with a dark theme. The Explorer panel on the left shows a file structure for 'SPRINT 1' with files 'app.py' and 'README.md'. The main editor area shows the following Python code in 'app.py':

```
1 from flask import Flask
2
3
4 app = Flask(__name__)
5
6
7 if __name__ == "__main__":
8     app.run(port=4000, debug=True)
```

The status bar at the bottom indicates the file is at line 8, column 34, using UTF-8 encoding, and the Python interpreter is set to 3.10.7 64-bit. The system tray shows various icons including network, volume, and temperature.

IBMcloud – done

Account created



Cli installed

```
target      Set or view the targeted region, account, resource group, org or space
update     Update CLI to the latest version
version    Print the version
help, h    Show help

Enter 'ibmcloud help [command]' for more information about a command.

ENVIRONMENT VARIABLES:
darkshadow+ ~ -> ibmcloud | head -30
NAME:
  ibmcloud -- A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [global options] command [arguments...] [command options]

VERSION:
  2.10.0+e37e09e-2022-08-24T17:31:27+00:00

COMMANDS:
  account      Manage accounts, users, orgs and spaces
  api          Set or view target API endpoint
  app          [Deprecated] Manage Cloud Foundry applications and application related domains and routes.
  billing      Retrieve usage and billing information
  catalog      Manage catalog
  cf           Run Cloud Foundry CLI with IBM Cloud CLI context
  config       Write default values to the config
  cr           Manage IBM Cloud/Container Registry content and configuration.
  dev         Create, develop, deploy, and monitor applications
  enterprise   Manage enterprise, account groups and accounts.
  iam         Manage identities and access to resources
  ks, cs, oc   Manage Kubernetes and OpenShift clusters in IBM Cloud. Aliases include 'ibmcloud oc'.
  login       Log user in
  logout      Log user out
  ob          Manage logging and monitoring configurations for IBM Cloud Kubernetes Service clusters.
  plugin      Manage plug-ins and plug-in repositories
  regions     List all the regions
  resource     Manage resource groups and resources
  sat         Manage IBM Cloud Satellite clusters.

darkshadow+ ~ ->
0 dark 0 > Sprint 1 1 > python-flask--personal-expense-tracker 2 dark darkshadow
```

Docker Installed

```
darkshadow+ ~ -> docker --help | head -30

Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default "/home/dark/.docker")
  -c, --context string  Name of the context to use to connect to the daemon (overrides DOCKER_HOST env var and default context set with "docker context use")
  -D, --debug          Enable debug mode
  -H, --host list       Daemon socket(s) to connect to
  -l, --log-level string Set the logging level ("debug"|"info"|"warn"|"error"|"fatal") (default "info")
  --tls               Use TLS; implied by --tlsverify
  --tlscacert string   Trust certs signed only by this CA (default "/home/dark/.docker/ca.pem")
  --tlscert string     Path to TLS certificate file (default "/home/dark/.docker/cert.pem")
  --tlskey string      Path to TLS key file (default "/home/dark/.docker/key.pem")
  --tlsverify          Use TLS and verify the remote
  -v, --version        Print version information and quit

Management Commands:
  builder      Manage builds
  compose*    Docker Compose (Docker Inc., 2.11.1)
  config       Manage Docker configs
  container    Manage containers
  context      Manage contexts
  image        Manage images
  manifest     Manage Docker image manifests and manifest lists
  network      Manage networks
  node         Manage Swarm nodes
  plugin       Manage plugins
darkshadow+ ~ ->
```

LOGIN PAGE

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpgJLIIm9Nao0Yz1ztcQTWfSpd3yD65VohhpUuCOMLASjC"
crossorigin="anonymous">
```

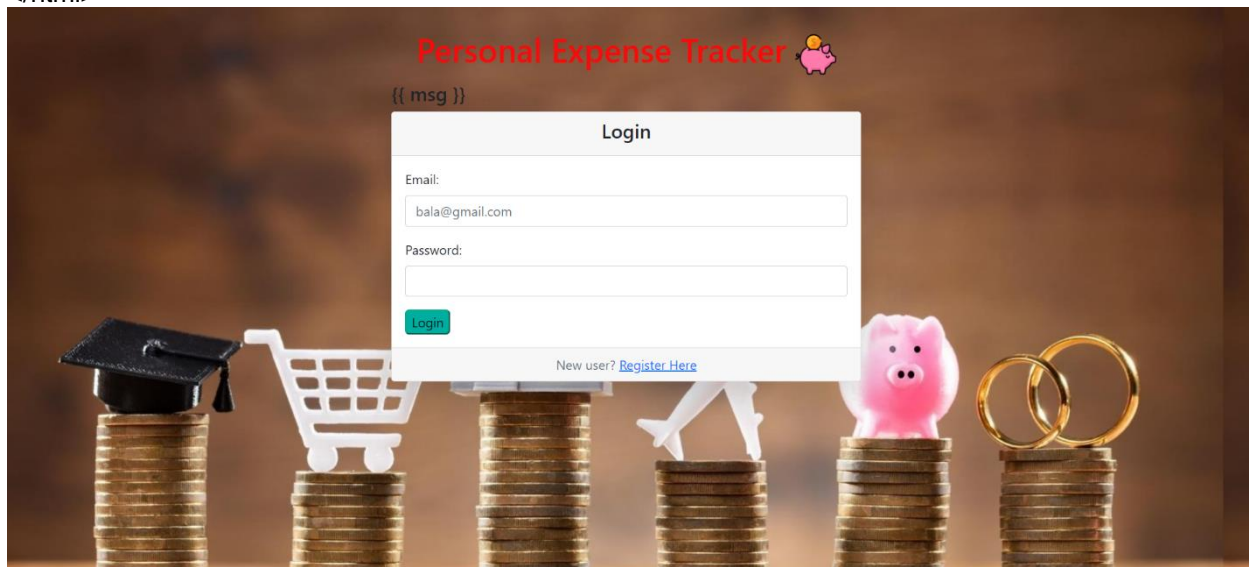
```

<title>Login</title>

</head>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>

<body style="background-image: url(bg\ image.jpg);">
  <div class="container mt-5">
    <h1 style="color: rgb(251, 10, 10); text-align: center;">
      Personal Expense Tracker 
    </h1>
    <div class="container mt-1" style="width:600px; height: 300px;" >
      <h4>{{ msg }}</h4>
      <div class="card shadow-lg bg-white rounded">
        <div class="card-header" style="text-align:center;">
          <h4>Login</h4>
        </div>
        <div class="card-body">
          <form action="/login" method="POST">
            <div class="mb-3">
              <label for="email" class="form-label">Email: </label>
              <input type="email" class="form-control" name="email" id="email"
placeholder="bala@gmail.com">
            </div>
            <div class="mb-3">
              <label for="passowrd" class="form-label">Password: </label>
              <input type="password" class="form-control" name="password"
id="password"></input>
            </div>
            <button type="submit" style="background-color:#00ada1; border-color:#00AD83;
border-radius:5px;">Login</button>
          </form>
        </div>
        <div class="card-footer text-muted" style="text-align:center">
          New user? <span><a href="registration.html">Register Here</a></span>
        </div>
      </div>
    </div>
  </div>
</body>
</html>

```



REGISTRATION PAGE

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOMLASjC"
    crossorigin="anonymous">

    <title>Registration</title>
  </head>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-MrcW6ZMFYIzclA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
  crossorigin="anonymous"></script>

  <body style="background-image: url(/register.jpeg);" >

    <div class="container mt-3">
      <h1 style="color: black; text-align: center;">
        Personal Expense Tracker 
      </h1>
      <div class="container mt-2" style="width: 600px;">
        <div class="card shadow-lg bg-white rounded">
          <div class="card-header" style="text-align: center;">
            <h4>Registration Form</h4>
          </div>
          <div class="card-body">
            <form action="/" method="POST">
              <div class="mb-3">
                <label for="email" class="form-label">Email: </label>
                <input type="email" class="form-control" name="email" id="email"
placeholder="abc@gmail.com">
              </div>
              <div class="mb-3">
                <label for="password" class="form-label">Password: </label>
                <input type="password" class="form-control" name="password"
id="password"></input>
                <p style="color: gray;" class="mt-3">Please make sure that the password meets the
following requirements:</p>
                <ol style="color: gray;"><li>Minimum of 8 characters</li><li>Contains an upper case
and a special character</li></ol>
              </div>
              <div class="mb-3">
                <label for="confirmpassword" class="form-label">Confrim Password: </label>
                <input type="password" class="form-control" name="confirmpassword"
id="confirmpassword" placeholder="*****">
              </div>
              <div class="mb-3">
                <label for="wallet" class="form-label">Initial Wallet Amount (Rs): </label>
                <input type="number" class="form-control" name="wallet" id="wallet"
placeholder="10000.00">
              </div>
              <button type="submit" style="background-color:#00AD83; border-color:#00AD83;
border-radius:5px;">Register</button>
            </form>
          </div>
          <div class="card-footer text-muted" style="text-align:center">
            Already an existing user? <span><a href="login">Login Here</a></span>
          </div>
        </div>
      </div>
    </div>
```



```

    </div>
  </body>
</html>

```

Personal Expense Tracker

Registration Form

Email:

Password:

Please make sure that the password meets the following requirements:

1. Minimum of 8 characters
2. Contains an upper case and a special character

Confrim Password:

Initial Wallet Amount (Rs):

[Register](#)

ADD EXPENSE PAGE

```

<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOMLASjC"
crossorigin="anonymous">

  <title>AddExpense</title>
</head>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-MrcW6ZMFYIzclA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
<script>
  function addGroup(e) {
    // e.preventDefault();
    group = window.prompt('Enter group name: ')
    console.log('PROMPT WINDOW SHOWN'+group);

    const formData = new FormData();
    formData.append("groupname", group);

    const xhttp = new XMLHttpRequest();
    xhttp.onload = function() {

```

```

        if (this.readyState == 4 && this.status == 200) {
            var groupid= JSON.parse(this.responseText);
            console.log(groupid);
            // create option using DOM
            const newOption = document.createElement('option');
            const optionText = document.createTextNode(groupid['groupname']);
            newOption.appendChild(optionText);
            newOption.setAttribute('value',groupid['groupID']);
            const selectDropdown = document.getElementById('group');
            selectDropdown.appendChild(newOption);
            console.log('GROUPIX :'+ groupid['groupID']);
        }
    }
    xhttp.open("POST", "http://localhost:5000/addgroup");
    xhttp.send(formData);
}
</script>
<div class="container-fluid" >
    <div class="row flex-nowrap">
        <div class="col-auto col-md-3 col-xl-2 px-sm-2 px-0" style="background-color: #B2D3C2">
            <div class="d-flex flex-column align-items-center align-items-sm-start px-3 pt-2 min-vh-100"
style="color:black">
                <p class="d-flex align-items-center pb-3 mb-md-0 me-md-auto text-white text-decoration-
none">
                    <span class="fs-5 d-none d-sm-inline" style="color:black; font-weight: bold;">Personal
Expense Tracker</span>
                    
                </p>
                <ul class="nav nav-pills flex-column mb-sm-auto mb-0 align-items-center align-items-sm-
start" id="menu">
                    <li class="nav-item mt-2">
                        <a href="dashboard.html" class="nav-link align-middle px-0" style="color:black;">
                            <span class="ms-1 d-none d-sm-inline">Home</span>
                        </a>
                    </li>
                    <li class="nav-item mt-2" style="background-color:#00AD83; height: 50px; width: 150px;
border-radius: 5px;" >
                        <a href="addexpense.html" class="nav-link px-0 align-middle" style="color:black;">
                            <span class="ms-1 d-none d-sm-inline">Add Expense</span>
                        </a>
                    </li>
                    <li class="nav-item mt-2">
                        <a href="modifyexpense.html" class="nav-link px-0 align-middle" style="color:black;">
                            <span class="ms-1 d-none d-sm-inline">Modify Expense</span>
                        </a>
                    </li>
                    <li class="nav-item mt-2">
                        <a href="analysis.html" class="nav-link px-0 align-middle" style="color:black;">
                            <span class="ms-1 d-none d-sm-inline">View Analysis</span>
                        </a>
                    </li>
                    <li class="nav-item mt-2">
                        <a href="rewards.html" class="nav-link px-0 align-middle" style="color:black;">
                            <span class="ms-1 d-none d-sm-inline">Rewards & Goals</span>
                        </a>
                    </li>
                </ul>

```

```

    </div>
    <div class="col py-3" style="background-color:black">
      <h3 style="color:white; text-align: center;">Add expense</h3>
      <div class="container mt-3" style="width: 600px;">
        <div class="card shadow-lg bg-white rounded">
          <form action="/addexpense" method="POST">
            <div class="card-header" style="text-align: center;">
              <span style="display:inline-flex"><h4>Expense Made</h4></span>
            </div>
            <div class="card-body">
              <div class="mb-3">
                <label for="amountspent" class="form-label">Amount Spent: (Rs) </label>
                <input type="number" class="form-control" name="amountspent"
id="amountspent" placeholder="100.00">
              </div>
              <div class="mb-3">
                <label for="expensecategory" class="form-label">Expense Category: </label>
                <select name="category" id="category" class="form-control" placeholder="Select a
category">
                  <option value="">Select a category</option>
                  {% for cat in categories %}
                    <option value="{{ cat[0] }}">{{ cat[1] }}</option>
                  {% endfor %}
                </select>
              </div>
              <div class="mb-3">
                <label for="date" class="form-label">Date of Expense: </label>
                <input type="date" class="form-control" name="date" id="date"></input>
              </div>
              <div class="mb-3">
                <label for="description" class="form-label">Description of Expense: </label>
                <input type="text" class="form-control" name="description"
id="description"></input>
              </div>
              <div class="mb-3">
                <label for="group" class="form-label">Group(if needed): </label>
                <div title="New group" style="float:right" value="Create group"
onclick="addGroup()">ADD GROUP</div><br/>
                <select name="group" id="group" class="form-control">
                  <option value="">Select existing group</option>
                  {% for group in groups %}
                    <option value="{{ group[0] }}">{{ group[1] }}</option>
                  {% endfor %}
                </select>
              </div>
            </div>
            <div class="card-footer text-muted" style="text-align:center">
              <button type="submit" value="submit" style="background-color:#00AD83; border-
color:#00AD83; border-radius:5px;">Submit Expense</button>
            </div>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>
</html>

```

Add Expense

Date

dd-mm-yyyy



Expense name

Expense Amount

Pay-Mode



Category



Add

Add Expense

