Practice Project: Team Budget Planner

Project objective:

Build a responsive website for a restaurant where users can read the details of the restaurant.'

Background of the problem statement:

You are a web developer at a service-based web development company called Kite Technologies. The company has been approached by a client who wants to build a website for their restaurant named Ming's Diner. The website should provide the users a brief overview of the restaurant and its bestsellers, its address, as well as an option to contact the restaurant. During sprint planning, you agree to lead this project and develop the website.

The tasks you are responsible for:

- Building the website using HTML
- Adding Bootstrap to the website
- Adding a landing page, a navbar, a CTA button, a grid, and a footer
- Adding a contact form for users to contact the restaurant
- Pushing the code to the git repository

Step 1: Writing an HTML page in your code editor

- Open Visual Studio Code and create a new file to type the code in
- Right click on the **File menu** of the code editor -> Select *New File*
- Enter the below code resolving the warning and errors due to compatibility-related issues

Finance.html:

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <link
      rel="stylesheet"
      href="https://use.fontawesome.com/releases/v5.15.4/css/all.css"
      integrity="sha384-DyZ88mC6Up2uqS4h/KRgHuoeGwBcD4Ng9SiP4dIRy0EXTlnuz47vAwmeGwVChigm"
      crossorigin="anonymous"
    />
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" href="./src/css/styles.css" />
    <title>Finance Team</title>
  </head>

  <body>
    <nav class="navBar">
      <a href="index.html"
        ><i class="fas fa-money-bill fa-lg logo"></i> Team Budget Planner</a
      >
      <ul>
        <a href="index.html"><li>New Team Planner</li></a>
        <a href="FinanceTeam.html"><li>Finance Team</li></a>
      </ul>
    </nav>
    <div class="signUpPage-container">
      <div class="center-content">
        <img src="src/image/project-manager.png" width="400px" alt="logo" />
        <div class="pageContainer">
          <div>
            <h2 class="expenses-header">All The Expenses: <span id="total"></span></h2>
            <div id="expenses"> </div>
          </div>
```

```html
        <div id="expValue">
          <table class="table table-striped table-bordered mb-5">
            <thead>
              <th>Team Name</th>
              <th>Project ID</th>
              <th>Team Members</th>
              <th>Manager ID</th>
              <th>Amount of the expenses</th>
              <th>Date of the expenses</th>
            </thead>
            <tbody id="tbody"></tbody>
          </table>
        </div>
      </div>
    </div>
  </div>
  <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
    crossorigin="anonymous"
  ></script>

  <script src="./src/js/finance.js"></script>
  </body>
</html>
```

Finance.js:

```javascript
const expenses = document.getElementById("expenses");
const total = document.getElementById("total");
const tbody = document.getElementById("tbody");

var teamsExpList = JSON.parse(localStorage.getItem("teamsExpList")); // all teams objects
displayExp(teamsExpList);

function displayExp(teamsExpList) {
 tbody.innerHTML = null;
 for (i = 0; i < teamsExpList.length; i++) {
  tbody.innerHTML += `
    <tr>
    <td>${teamsExpList[i].teamName}</td>
    <td>${teamsExpList[i].projID}</td>
```

```javascript
        <td>${teamsExpList[i].teamMembers}</td>
        <td>${teamsExpList[i].mngrID}</td>
        <td>$ ${teamsExpList[i].expensesAmount} </td>
        <td>${teamsExpList[i].expensesDate}</td>
        </tr>
    `;
  }

  calcTeamExpenses(); //calcualte each team expenses
  calcAllExpenses(); // calculate all the teams expenses
}

function calcTeamExpenses() {
  let teamName = []; //array of teams names
  let teamList = []; //array of the related team's objects

  //extarct teamNames from each object in the array
  for (const item of teamsExpList) {
    teamName.push(item.teamName);
    // console.log(teamName);
  }

  //array of teams names with no duplication
  var unique = [...new Set(teamName)];
  // console.log(unique);

  //loop through the unique team names and make array of related objects, then calculate the
total expences for each team individualy
  for (i = 0; i < unique.length; i++) {
    teamList = teamsExpList.filter((team) => team.teamName === unique[i]);
    // console.log(teamList);
    calcExpensesforEachTeam(teamList);
  }
}

function calcExpensesforEachTeam(teamList) {
  let teamTotalExp = 0;
  for (var a of teamList) {
    // console.log(a);
    teamTotalExp += Number(a.expensesAmount);
    // console.log(teamTotalExp);
  }
  expenses.innerHTML += `<li style="color: #12637c;"> Annual budget for ${a.teamName}
Team: <span style="color: #12277c;">$ ${teamTotalExp} </span> </li>`;
}
```

```
function calcAllExpenses() {
  let totalExp = 0;
  for (var a of teamsExpList) {
    totalExp += Number(a.expensesAmount);
  }
  total.innerHTML += ` <span style="color: #12277c;"> $ ${totalExp}</span>`;
}
```

index.html:

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link
      rel="stylesheet"
      href="https://use.fontawesome.com/releases/v5.15.4/css/all.css"
      integrity="sha384-DyZ88mC6Up2uqS4h/KRgHuoeGwBcD4Ng9SiP4dIRy0EXTlnuz47vAwmeGwVChigm"
      crossorigin="anonymous"
    />
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" href="./src/css/styles.css" />

    <title>Team Planner Form</title>
  </head>

  <body>
    <nav class="navBar">
      <a href="index.html"
        ><i class="fas fa-money-bill fa-lg logo"></i> Team Budget Planner</a
      >
      <ul>
        <a href="index.html"><li>New Team Planner</li></a>
        <a href="FinanceTeam.html"><li>Finance Team</li></a>
```

```html
    </ul>
  </nav>
  <div class="signUpPage-container">
    <div class="center-content">
      <img src="src/image/project-manager.png" width="600px" alt="logo" />
      <div class="formOuter-container">
        <div class="formInner-container">
          <h1>Create Team Plan</h1>
          <p>
            This form is needed to be filled by program managers of each team
            to add the details of professional deals they want to have with
            vendors.
          </p>
          <form id="createForm">
            <div class="input-group">
              <i class="fas fa-id-card-alt"></i>
              <input
                id="teamName"
                type="text"
                value=""
                placeholder="Team Name"
              />
            </div>
            <div class="input-group">
              <i class="fas fa-id-card-alt"></i>
              <input
                id="projID"
                type="text"
                value=""
                placeholder="Project ID"
              />
            </div>
            <div class="input-group">
              <i class="fas fa-users"></i>
              <input
                id="team-members"
                type="number"
                value=""
                placeholder="Team Members"
              />
            </div>
            <div class="input-group">
              <i class="far fa-id-badge"></i>
              <input
                id="mngrID"
```

```html
          type="text"
          value=""
          placeholder="Manager ID"
        />
      </div>
      <div class="input-group">
        <i class="fas fa-dollar-sign"></i>
        <input
          id="expenses-amount"
          type="number"
          value=""
          placeholder="Amount of the expenses"
        />
      </div>
      <div class="input-group">
        <label>Date of the expenses</label>
        <input
          id="expenses-date"
          type="date"
          value=""
          placeholder="Date of the expenses"
        />
      </div>

        <button id="submitBtn" type="submit">Submit Plan</button>
      </form>
    </div>
   </div>
  </div>
 </div>
 <script
   src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
   integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
   crossorigin="anonymous"
 ></script>
 <script src="//cdn.jsdelivr.net/npm/sweetalert2@11"></script>
 <script src="/src/js/main.js"></script>
 </body>
</html>
```

main.js:

```javascript
var teamsExpList = [];
let id = 0;

const createForm = document.getElementById("createForm");
const teamName = document.getElementById("teamName");
const projID = document.getElementById("projID");
const teamMembers = document.getElementById("team-members");
const mngrID = document.getElementById("mngrID");
const expensesAmount = document.getElementById("expenses-amount");
const expensesDate = document.getElementById("expenses-date");

function createTeamPlan(
  teamName,
  projID,
  teamMembers,
  mngrID,
  expensesAmount,
  expensesDate
) {
  if (
    !teamName.length ||
    !projID.length ||
    !teamMembers.length ||
    !mngrID.length ||
    !expensesAmount.length ||
    !expensesDate.length
  ) {
    Swal.fire("warning", "some feilds are empty", "danger");
  } else {
    const teamDetails = {
      id: id,
      teamName,
      projID,
      teamMembers,
      mngrID,
      expensesAmount,
      expensesDate,
    };
    teamsExpList = JSON.parse(localStorage.getItem("teamsExpList")) || [];

    id++;
    projID.value = "";
    teamMembers.value = "";
    mngrID.value = "";
    expensesAmount.value = "";
```

```javascript
    expensesDate.value = "";

    Swal.fire({
      title: "Are you sure?",
      text: "Are you want to add this Team plan? You won't be able to revert this!",
      icon: "warning",
      showCancelButton: true,
      confirmButtonColor: "#3085d6",
      cancelButtonColor: "#d33",
      confirmButtonText: "Yes, Add it!",
    }).then((result) => {
      if (result.isConfirmed) {
        teamsExpList.push(teamDetails);
        const local = localStorage.setItem(
          "teamsExpList",
          JSON.stringify(teamsExpList)
        );
        // console.log(local);

        Swal.fire({
          title: "Added!",
          text: "Team plan Added in the Finance Team page, Want to see it?",
          icon: "success",
          showCancelButton: true,
          confirmButtonColor: "#3085d6",
          cancelButtonColor: "#d33",
          confirmButtonText: "Yes",
        }).then((result) => {
          if (result.isConfirmed) {
            window.location.assign("FinanceTeam.html");
          }
        });
      }
    });
  }
}

createForm.addEventListener("submit", (e) => {
  e.preventDefault();
  createTeamPlan(
    teamName.value,
    projID.value,
    teamMembers.value,
    mngrID.value,
    expensesAmount.value,
```

```
      expensesDate.value
  );
});
```

style.css:

```css
@import
url("https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;600&display=swap");
* {
  box-sizing: border-box;
}

body {
  margin: 0;
  font-family: Arial;
  background: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg'
height='100%25' width='100%25'%3E%3Cdefs%3E%3Cpattern id='doodad' width='300'
height='300' viewBox='0 0 40 40' patternUnits='userSpaceOnUse'
patternTransform='rotate(46)'%3E%3Crect width='100%25' height='100%25' fill='rgba(255,
255, 255,1)'/%3E%3Cpath d='M9.5 9.5h5v5h-5z' fill='rgba(221, 182, 64,0.05)'/%3E%3Cpath
d='M-10-10h60v60h-60zM14 14v12h12v-12z' fill='rgba(125, 151,
132,0.04)'/%3E%3C/pattern%3E%3C/defs%3E%3Crect fill='url(%23doodad)'
height='200%25' width='200%25'/%3E%3C/svg%3E ");
}

.pageContainer {
  display: flex;
  flex-direction: column;
  justify-content: space-evenly;
  align-items: center;
}

.signUpPage-container {
  width: 100vw;
  padding: 0;
}
.navBar {
  background-color: #12637c;
  display: flex;
  flex-direction: row;
  justify-content: space-between;
  align-items: center;
  padding: 0 2rem;
  height: fit-content;
```

```css
}
ul {
  margin: 1.5rem 0;
  padding: 0;
  text-align: center;
}

.navBar li {
  list-style: none;
  display: inline;
  width: 100%;
  font-size: 14px;
  color: #ffffff;
  margin: 0 2rem;
  font-family: Arial;
}

.navBar li:hover,
li:focus {
  color: #95e4fc;
  padding-bottom: 1.2rem;
  border-bottom: 3px solid #d9e3e6;
}

.signUpPage-container {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
}
.center-content {
  height: 120vh;
  display: flex;
  flex-direction: row;
  justify-content: space-between;
  align-items: center;
}

.formOuter-container {
  height: 650px;
  border: 1px solid #d8d8d8;
  border-radius: 31px;
  padding: 0.2rem 2rem;
  cursor: pointer;
  box-shadow: rgba(17, 17, 26, 0.1) 0px 0px 16px;
```

```css
}

.formInner-container {
  width: 491.12px;
  height: 400px;
}

.formInner-container h1 {
  margin-top: 1.3rem;
  color: #12277c;
  font-family: "Open Sans", sans-serif;
}

.formInner-container p {
  color: #12637c;
  opacity: 50%;
  font-size: 14.03px;
  font-family: "Open Sans", sans-serif;
}

form .input-group {
  height: 3.5rem;
  padding: 1rem 2rem;
  background-color: #d1e2e8;
  border-radius: 8.77px;
  margin: 1rem 0;
}

.input-group i {
  margin-right: 1rem;
}

.input-group input {
  border: none;
  background: transparent;
  color: #12277c;
  font-size: 15.79px;
  /* opacity: 50%; */
  width: 250px;
}
input::placeholder {
  color: #818f93;
}
.input-group label,
i,
```

```css
th {
  color: #12637c;
}

i.logo {
  color: white;
}

form button {
  height: 4rem;
  width: 100%;
  border: none;
  border-radius: 8.77px;
  background-color: #12637c;
  font-size: 15.79px;
  color: #ffffff;
  cursor: pointer;
}

form button:hover {
  background-color: #12277c;
}
a {
  text-decoration: none;
  color: #ffffff !important;
}

a:hover {
  color: #95e4fc !important;
}

div#expValue {
  height: 70vh;
  overflow-y: scroll;
  padding: 1rem;
  box-shadow: rgba(17, 17, 26, 0.1) 0px 0px 16px;
}

h1 {
  font-size: 25px;
}

h2 {
  color: #12637c;
  text-align: right;
```

```css
}

input {
  padding-left: 1rem;
}
.expenses-header {
  border-radius: 1rem;
  padding: 0.5rem;
  box-shadow: rgba(17, 17, 26, 0.05) 0px 1px 0px,
    rgba(17, 17, 26, 0.1) 0px 0px 8px;
}
#expenses {
  height: 20vh;
  overflow-y: scroll;
  margin-bottom: 3rem;
}

#expenses li:hover {
  border-radius: 1rem;
  background-color: #d1e2e8;
  cursor: pointer;
}
```

Step 2: Pushing the code to your GitHub repositories

- Open your command prompt and navigate to the folder where you have created your files.

  cd <folder path>

- Initialize your repository using the following command:

  git init

- Add all the files to your git repository using the following command:

  git add .

- Commit the changes using the following command:

git commit . -m "Changes have been committed."

Push the files to the folder you initially created using the following command:

git push -u origin master