# Project Name: Team Budget Planner.

## GitHub Link:

## <https://github.com/tamasjit/myjavaproject/tree/master/Phase%204/Phase-4_Practice_Project/q2_budget_Planner>

## Source Code:

### Index.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>

      </ul>

    </nav>

    <div class="signUpPage-container">

      <div class="center-content">

        <img src="src/img/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"

                  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>

### FinanceTeam.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/img/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>

          <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/finace.js"></script>

  </body>

</html>

### Styles.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;

}

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;

}

.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,

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;

}

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;

}

### Main.js:

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 = "";

    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

  );

});

### Finance.js:

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>

        <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>`;

}