**Write up:**

As a developer, write a program using JavaScript to decide the budget of a specific team.

Visual Studio Code: An IDE to code for the application.

JavaScript: A programming language.

Git: To connect and push files from the local system to GitHub.

GitHub: To store the application code and track its versions.

JavaScript concepts: Functions, prototypes, primitives, objects, IIFEs, promises, async, and webpack.

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Budget App</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<div class="container">

<div class="header">

<h1>Budget App</h1>

</div>

<div class="budget-section">

<div class="budget col col-md col-sm">

<h2>budget</h2>

<img src="image/money-bag.svg" width="40" alt="" />

<p class="amount">$ <span id="budgetAmount">0</span></p>

</div>

<div class="expenses col col-md col-sm">

<h2>expenses</h2>

<img src="image/accounting.svg" width="40" alt="" />

<p class="exp-amount">$ <span id="expensesAmount">0</span></p>

</div>

<div class="balance col col-md col-sm">

<h2>balance</h2>

<img src="image/law.svg" width="40" alt="" />

<p class="amount bala">$ <span id="balanceAmount">0</span></p>

</div>

</div>

<div id="displayExpenses">

<div class="budget-list">

<div class="col">

<h4>expense title</h4>

</div>

<div class="col">

<h4>expense value</h4>

</div>

<div class="col"></div>

</div>

<div id="expValue"></div>

</div>

</div>

<div class="toggle">

<button id="myBtn" type="button">+</button>

</div>

<!-- The Modal -->

<div id="myModal" class="modal">

<!-- Modal content -->

<div class="modal-content">

<div class="modal-header">

<span class="close">&times;</span>

<h2>Budget Form</h2>

</div>

<div class="modal-body">

<div class="budget-form" id="budgetform">

<form id="addForm">

<label for=""> Make a budget</label> <br />

<input type="number" id="number" /> <br />

<button type="submit">Add Budget</button>

</form>

</div>

<div class="expense-form" id="expense-form">

<form action="" id="expForm">

<div class="">

<label for="">please enter your expense</label> <br />

<input type="text" id="expName" />

</div>

<div class="">

<label for="">please enter expense amount</label> <br />

<input type="number" id="expNumber" />

</div>

<button type="submit" id="submitExpen">Add expense</button>

</form>

<button onclick="callBudget()" id="bug">

Back to add budget ->

</button>

</div>

<div class="edit-form" id="editForm">

<form action="" id="saveEdit">

<div class="">

<label for="">Edit your expense</label> <br />

<input type="text" id="editExpName" />

</div>

<div class="">

<label for="">Edit expense amount</label> <br />

<input type="number" id="editExpNumber" />

</div>

<button type="submit">Save changes</button>

</form>

</div>

</div>

</div>

</div>

<script src="main.js"></script>

</body>

</html>

//main.js:

const modal = document.getElementById("myModal");

const btn = document.getElementById("myBtn");

const span = document.getElementsByClassName("close")[0];

btn.onclick = function () {

expName.value = "";

expNumber.value = "";

expenseForm.style.display = "block";

editForm.style.display = "none";

modal.style.display = "block";

};

span.onclick = function () {

modal.style.display = "none";

};

window.onclick = function (event) {

if (event.target == modal) {

modal.style.display = "none";

}

};

const amountInput = document.getElementById("number");

const addForm = document.getElementById("addForm");

const budgetAmount = document.getElementById("budgetAmount");

const balanceAmount = document.getElementById("balanceAmount");

const editForm = document.getElementById("editForm");

const saveEdit = document.getElementById("saveEdit");

const editExpValue = document.getElementById("editExpValue");

const editExpNumber = document.getElementById("editExpNumber");

const expForm = document.getElementById("expForm");

const expensesAmount = document.getElementById("expensesAmount");

const expValue = document.getElementById("expValue");

const displayExpenses = document.getElementById("displayExpenses");

const expenseForm = document.getElementById("expense-form");

const budgetform = document.getElementById("budgetform");

let expName = document.getElementById("expName");

let expNumber = document.getElementById("expNumber");

let id = 0;

let details = [];

function getBudgetAmount(amount) {

if (!amount) {

amountInput.style.border = "1px solid #b80c09";

amountInput.placeholder = "input can not be empty";

amountInput.style.color = "#b80c09";

setTimeout(() => {

amountInput.style.color = "#495057";

amountInput.style.border = "1px solid gray";

}, 3000);

} else {

budgetAmount.innerText = amount;

balanceAmount.innerText = amount;

expenseForm.style.display = "block";

budgetform.style.display = "none";

editForm.style.display = "none";

amountInput.value = "";

}

}

function addExpenses(name, number) {

if (!name.length || !number.length) {

expName.style.border = "1px solid #b80c09";

expName.placeholder = "input can not be empty";

expName.style.color = "#b80c09";

expNumber.style.border = "1px solid #b80c09";

expNumber.placeholder = "input can not be empty";

expNumber.style.color = "#b80c09";

setTimeout(() => {

expName.style.color = "#495057";

expName.style.border = "1px solid gray";

expName.placeholder = "input can not be empty";

expNumber.placeholder = "input can not be empty";

expNumber.style.border = "1px solid gray";

expNumber.style.color = "#495057";

}, 3000);

} else {

const userExp = {

id: id,

name: name,

number: parseInt(number),

};

details.push(userExp);

displayExp(details);

id++;

expName.value = "";

expNumber.value = "";

}

}

function displayExp(details) {

expValue.innerHTML = null;

for (i = 0; i < details.length; i++) {

expValue.innerHTML += `

<div class="expValue" id="${details[i].id}">

<div id="expTitleName" class="exp"><p>${details[i].name}</p></div>

<div id="expValueAmount" class="exp"><p> <span>$ </span> ${details[i].number}</p></div>

<div id="edite\_delete">

<p>

<button id="${details[i].id}" onclick="editExpDetails(${details[i].id})"> <img src="image/edit.svg" width="15" alt="" /></button>

<button id="${details[i].id}" onclick="delExpenseDetails(${details[i].id})"><img src="image/trash.svg" width="15" alt="" /></button>

</p>

</div>

</div>

`;

}

calcExpenses();

displayExpenses.style.display = "block";

}

function calcExpenses() {

let totalExp = 0;

for (i = 0; i < details.length; i++) {

totalExp = details[i].number + totalExp;

}

expensesAmount.innerText = totalExp;

updateBalance();

}

function updateBalance() {

balanceAmount.innerText =

parseInt(budgetAmount.innerText) - parseInt(expensesAmount.innerText);

}

function delExpenseDetails(id) {

let index = details.findIndex((item) => item.id === id);

details.splice(index, 1);

displayExp(details);

}

function editExpDetails(id) {

expenseForm.style.display = "none";

budgetform.style.display = "none";

editForm.style.display = "block";

details.findIndex((item) => {

if (item.id === id) {

editExpName.value = item.name;

editExpNumber.value = item.number;

saveEdit.children[2].id = item.id;

modal.style.display = "block";

}

});

}

function getExpValue(editExpName, editExpNumber, id) {

edited = details.findIndex((obj) => obj.id == id);

details[edited].name = editExpName;

details[edited].number = parseInt(editExpNumber);

displayExp(details);

}

function callBudget() {

budgetform.style.display = "block";

expenseForm.style.display = "none";

}

saveEdit.addEventListener("submit", (e) => {

e.preventDefault();

getExpValue(editExpName.value, editExpNumber.value, saveEdit.children[2].id);

});

expForm.addEventListener("submit", (e) => {

e.preventDefault();

addExpenses(expName.value, expNumber.value);

});

addForm.addEventListener("submit", (e) => {

e.preventDefault();

getBudgetAmount(amountInput.value);

});

//Style.css

@font-face {

font-family: "General";

src: url("./font/Nunito-ExtraLight.ttf");

}

@font-face {

font-family: "heading";

src: url("./font/Nunito-Bold.ttf");

}

body {

margin: 0;

padding: 0;

width: 100%;

font-family: "General";

height: 100vh;

background-color: #f5f5f5;

}

.container {

min-height: 80vh;

}

.header {

height: 60px;

width: 100%;

}

h1 {

margin: 0;

text-align: center;

font-family: "heading";

padding-top: 10px;

}

.budget-section {

display: flex;

justify-content: space-around;

align-items: flex-start;

width: 100%;

min-height: 160px;

font-weight: 900;

}

.budget-list {

display: flex;

justify-content: space-around;

align-items: flex-start;

width: 100%;

height: 70px;

font-size: 20px;

}

.exp-amount {

color: #b80c09;

}

.amount {

color: #317b22;

}

.col {

width: 40%;

text-align: center;

text-transform: capitalize;

}

.col p {

font-size: 40px;

padding-top: 5px;

margin: 0;

}

.toggle {

position: fixed;

right: 0;

bottom: 18px;

}

.toggle button {

border: none;

border-radius: 600px;

background: #04458f;

padding: 14px 20px;

color: #ffffff;

font-size: 30px;

margin: 10px 50px 0 0;

cursor: pointer;

}

/\* modal form \*/

.budget-form {

width: 100%;

min-height: 200px;

}

form {

margin: 10px 0 20px 10px;

min-height: 100px;

}

input {

width: 60%;

padding: 8px 0;

border-radius: 6px;

border: 1px solid gray;

margin: 20px 0;

padding-left: 5px;

color: #495057;

}

.budget-list .exp p {

color: #b80c09;

font-size: 18px;

}

#displayExpenses {

width: 100%;

display: none;

}

.expValue {

display: flex;

justify-content: space-around;

height: 40px;

font-weight: 900;

text-align: center;

}

#expTitleName {

width: 40%;

}

#expValueAmount {

width: 40%;

}

#edite\_delete {

width: 40%;

}

#edite\_delete img {

cursor: pointer;

}

#edite\_delete button {

margin-left: 1px;

background: none;

border: none;

}

.budget-form button {

background: rgb(1, 83, 1);

border: none;

border-radius: 6px;

color: #ffffff;

padding: 10px 40px;

cursor: pointer;

text-transform: capitalize;

font-size: 16px;

font-weight: 400;

}

#bug {

font-size: 14px;

background: none;

color: #04458f;

margin: 0px 0px 15px 10px;

text-align: justify;

padding: 0;

}

#expense-form {

width: 100%;

display: none;

}

#editForm {

display: none;

width: 100%;

}

#editForm button {

background: #b80c09;

border: none;

border-radius: 6px;

color: #ffffff;

padding: 10px 30px;

cursor: pointer;

text-transform: capitalize;

font-size: 16px;

font-weight: 400;

}

.expense-form button {

background: #b80c09;

border: none;

border-radius: 6px;

color: #ffffff;

padding: 10px 30px;

cursor: pointer;

text-transform: capitalize;

font-size: 16px;

font-weight: 400;

}

/\* The Modal (background) \*/

.modal {

display: block;

position: fixed;

z-index: 1;

left: 0;

top: 0;

width: 100%;

height: 100%;

overflow: auto;

background-color: rgba(0, 0, 0, 0.4);

animation-name: fadeIn;

animation-duration: 0.4s;

text-transform: capitalize;

font-weight: 600;

}

/\* Modal Content \*/

.modal-content {

position: fixed;

top: 20%;

left: 25%;

background-color: #fefefe;

width: 50%;

min-height: 40px;

animation-name: slideIn;

animation-duration: 0.4s;

}

/\* The Close Button \*/

.close {

color: white;

float: right;

font-size: 28px;

font-weight: bold;

cursor: pointer;

color: #000;

}

.modal-header {

padding: 2px 16px;

border-bottom: 2px solid gray;

}

.modal-body {

padding: 2px 16px;

}

/\* Add Animation \*/

@keyframes slideIn {

from {

top: -300px;

opacity: 0;

}

to {

top: 0;

opacity: 1;

}

}

@keyframes fadeIn {

from {

opacity: 0;

}

to {

opacity: 1;

}

}

**Output:**





