//script.js

document.addEventListener("DOMContentLoaded", () => {

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

const expenseList = document.getElementById("expense-list");

const totalAmount = document.getElementById("total-amount");

const filterCategory = document.getElementById("filter-category");

let expenses = [];

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

e.preventDefault();

const name = document.getElementById("expense-name").value;

const amount = parseFloat(document.getElementById("expense-amount").value);

const category = document.getElementById("expense-category").value;

const date = document.getElementById("expense-date").value;

const expense = {

id: Date.now(),

name,

amount,

category,

date

};

expenses.push(expense);

displayExpenses(expenses);

updateTotalAmount();

expenseForm.reset();

});

expenseList.addEventListener("click", (e) => {

if (e.target.classList.contains("delete-btn")) {

const id = parseInt(e.target.dataset.id);

expenses = expenses.filter(expense => expense.id !== id);

displayExpenses(expenses);

updateTotalAmount();

}

if (e.target.classList.contains("edit-btn")) {

const id = parseInt(e.target.dataset.id);

const expense = expenses.find(expense => expense.id === id);

document.getElementById("expense-name").value = expense.name;

document.getElementById("expense-amount").value = expense.amount;

document.getElementById("expense-category").value = expense.category;

document.getElementById("expense-date").value = expense.date;

expenses = expenses.filter(expense => expense.id !== id);

displayExpenses(expenses);

updateTotalAmount();

}

});

filterCategory.addEventListener("change", (e) => {

const category = e.target.value;

if (category === "All") {

displayExpenses(expenses);

} else {

const filteredExpenses = expenses.filter(expense => expense.category === category);

displayExpenses(filteredExpenses);

}

});

function displayExpenses(expenses) {

expenseList.innerHTML = "";

expenses.forEach(expense => {

const row = document.createElement("tr");

row.innerHTML = `

<td>${expense.name}</td>

<td>$${expense.amount.toFixed(2)}</td>

<td>${expense.category}</td>

<td>${expense.date}</td>

<td>

<button class="edit-btn" data-id="${expense.id}">Edit</button>

<button class="delete-btn" data-id="${expense.id}">Delete</button>

</td>

`;

expenseList.appendChild(row);

});

}

function updateTotalAmount() {

const total = expenses.reduce((sum, expense) => sum + expense.amount, 0);

totalAmount.textContent = total.toFixed(2);

}

});