

Javascript:

Finally, we implement the functionality of the budget app. For this we use javascript. We do this in six steps:

- Create initial references
- Implement function to set budget
- Function to disable Edit/Delete buttons
- Create a function to modify list items
- Create a function to create a list
- Implement function to calculate expenses and balance.

```
let totalAmount = document.getElementById("total-amount");
let userAmount = document.getElementById("user-amount");
const checkAmountButton = document.getElementById("check-amount");
const totalAmountButton = document.getElementById("total-amount-button");
const productTitle = document.getElementById("product-title");
const errorMessage = document.getElementById("budget-error");
const productTitleError = document.getElementById("product-title-error");
const productCostError = document.getElementById("product-cost-error");
const amount = document.getElementById("amount");
const expenditureValue = document.getElementById("expenditure-value");
const balanceValue = document.getElementById("balance-amount");
const list = document.getElementById("list");
let tempAmount = 0;
```

```
//Set Budget Part
totalAmountButton.addEventListener("click", () => {
  tempAmount = totalAmount.value;
  //empty or negative input
  if (tempAmount === "" || tempAmount < 0) {
    errorMessage.classList.remove("hide");
  } else {
    errorMessage.classList.add("hide");
  }
  //Set Budget
  amount.innerHTML = tempAmount;
  //Set Balance
  balanceValue.innerText = tempAmount - expenditureValue.innerText;
  //Clear Input Box
  totalAmount.value = "";
});
```

//Function To Disable Edit and Delete Button

```
const disableButtons = (bool) => {  
  let editButtons = document.getElementsByClassName("edit");  
  Array.from(editButtons).forEach((element) => {  
    element.disabled = bool;  
  });  
};
```

//Function To Modify List Elements

```
const modifyElement = (element, edit = false) => {  
  let parentDiv = element.parentElement;  
  let currentBalance = balanceValue.innerText;  
  let currentExpense = expenditureValue.innerText;  
  let parentAmount = parentDiv.querySelector(".amount").innerText;  
  if (edit) {  
    let parentText = parentDiv.querySelector(".product").innerText;  
    productTitle.value = parentText;  
    userAmount.value = parentAmount;  
    disableButtons(true);  
  }  
  balanceValue.innerText = parseInt(currentBalance) + parseInt(parentAmount);  
  expenditureValue.innerText =  
    parseInt(currentExpense) - parseInt(parentAmount);  
  parentDiv.remove();  
};
```

//Function To Create List

```
const listCreator = (expenseName, expenseValue) => {  
  let sublistContent = document.createElement("div");  
  sublistContent.classList.add("sublist-content", "flex-space");  
  list.appendChild(sublistContent);  
  sublistContent.innerHTML = `class="amount">${expenseValue}</p>`;  
  let editButton = document.createElement("button");  
  editButton.classList.add("fa-solid", "fa-pen-to-square", "edit");  
  editButton.style.fontSize = "1.2em";  
  editButton.addEventListener("click", () => {  
    modifyElement(editButton, true);  
  });  
  let deleteButton = document.createElement("button");  
  deleteButton.classList.add("fa-solid", "fa-trash-can", "delete");  
  deleteButton.style.fontSize = "1.2em";  
  deleteButton.addEventListener("click", () => {  
    modifyElement(deleteButton);  
  });  
};
```

```
sublistContent.appendChild(editButton);
sublistContent.appendChild(deleteButton);
document.getElementById("list").appendChild(sublistContent);
};
```

```
//Function To Add Expenses
```

```
checkAmountButton.addEventListener("click", () => {
  //empty checks
  if (!userAmount.value || !productTitle.value) {
    productTitleError.classList.remove("hide");
    return false;
  }
  //Enable buttons
  disableButtons(false);
  //Expense
  let expenditure = parseInt(userAmount.value);
  //Total expense (existing + new)
  let sum = parseInt(expenditureValue.innerText) + expenditure;
  expenditureValue.innerText = sum;
  //Total balance(budget - total expense)
  const totalBalance = tempAmount - sum;
  balanceValue.innerText = totalBalance;
  //Create list
  listCreator(productTitle.value, userAmount.value);
  //Empty inputs
  productTitle.value = "";
  userAmount.value = "";

});
```