

Team Budget Planner

Project and developer details

Project objective:

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

Background of the problem statement:

As a developer, you are assigned to a project. You need to develop a website where program managers of a specific team will add details of professional deals they want to have with vendors. The finance team will check expenses of those teams and will decide their annual budget.

You must use the following:

- 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

Following requirements should be met:

- Versions of the code should be tracked on GitHub repositories
- Team Budget Planner should work properly

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budget.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://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.cs
s"
      integrity="sha384-
x0olHFLEh07PJGoPkLv1IbcEPTNtaed2xpHsD9ESMhqIYd0nLMwNLD69Npy4HI+N"
crossorigin="anonymous">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js"
      integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
      crossorigin="anonymous"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.bundle.m
in.js"
      integrity="sha384-
Fy6S3B9q64WdZWQUiU+q4/2Lc9npb8tCaSX9FK7E8HnRr0Jz8D60P9d05Vg3Q9ct"
      crossorigin="anonymous"></script>

  <script src="C:\Users\BALA\Documents\VS Code
Frontend\BudgetWebsite\js\budget.js"></script>
  <link rel="stylesheet" href="C:\Users\BALA\Documents\VS Code
Frontend\BudgetWebsite\css\budget.css" />

  <title>Budget</title>

</head>

<body>
  <div class="jumbotron">
    <h1 class="display-3">Budget Planner</h1>
  </div>
  <div class="heading">
    <div class="cul1">
      <h2>Budget</h2>
```

```

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

    <div class="cul2">
        <h2>Expenses</h2>
        
        <p class="amount">Rs <span id="expensesAmount">0</span></p>
    </div>

    <div class="cul3">
        <h2>Balance</h2>
        
        <p class="amount">Rs <span id="balanceAmount">0</span></p>
    </div>
</div>
<section>
    <div class="submit">
        <h6>Enter your Budget <input type="number" id="budget"
name="budget" value=0> <button
        onclick="addBudget()">Ok</button></h6><br>
        <h4>Add Expenses</h4><br>
        <h6>Enter your Expense Name <input type="text" id="expenseName"
name="expenseName" value="Room Rent" required> Enter
        Amount <input type="number" id="expenseAmt"
name="expenseAmt" value=0 required> <button
        onclick="addExpense()">Add</button></h6>

    </div>
    <div class="list">
        <table class="table">
            <thead>
                <tr id="tablehead">
                    <th>Expense Name</th>
                    <th>Expense Amount</th>
                    <th>Delete</th>
                </tr>
            </thead>

```

```

        <tbody id="tbody">

            </tbody>
        </table>
    </div>
</section>

    <footer class="bg-light text-center text-lg-start">
        <!-- Copyright -->
        <div class="text-center p-3" style="background-color:rgb(7, 2, 19);
color: white;">
            © 2020 Copyright:
            <a class="text-dark"
href="https://github.com/ppraveen62/Budgeting-web-app-proj-javascript--
bootstrap.git">PPK</a>
        </div>
        <!-- Copyright -->
    </footer>

</body>

</html>

```

budget.css:

```

.jumbotron {
    margin-bottom: 0%;
    background-color: rgb(7, 2, 19);
    color: whitesmoke;
    padding:5px;

}

.heading {
    background-color: white;
    text-align: center;
}

.cul1 {
    padding: 20px;

```

```
        display: inline-block;
    }

    .cul2 {
        padding: 20px;
        display: inline-block;
    }

    .cul3 {
        padding: 20px;
        display: inline-block;
    }

    .amount {
        border: none;
        border-radius: 5px;
        background-color: darkslategrey;
        color: white;
        font-weight: bold;
        margin: 5px;
    }

    .submit {
        padding: 10px;
    }

    button {

        border-radius: 6px;
        background-color: darkslategray;
        color: white;
        font-weight: bold;
    }

    input {
        font-weight: lighter;
        border-radius: 5px;
        background-color: snow;
        text-align: center;
    }

    .submit {
        background-color: lightsteelblue;
        padding-left: 150px;
    }
}
```

```
        padding-top: 20px;
    }

    .text-dark {
        color: white !important;
        font-weight: lighter;
    }

    .table {
        width: 50%;
        height: 100%;
        margin: auto;
        text-align: center;
        background-color: snow;
        border-collapse: unset;
        border-radius: 5px;
    }

    .list {
        background-color: lightsteelblue;
        padding: 50px;
    }

    h4 {
        font-style: italic;
        font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet
MS', sans-serif;
        font-weight: bolder;
        color: indigo;
    }

    .display-3 {
        font-family: cursive;
        color: aliceblue;
        font-style: oblique;
        padding-left: 50px;
    }

    #tablehead{
        background-color: firebrick;
        color: whitesmoke;
    }
```

budget.js:

```
function updateBanner() {
    const budget = document.getElementById("budgetAmount").innerText;
    const expenses = document.getElementById("expensesAmount").innerText;
    document.getElementById("balanceAmount").innerHTML = budget - expenses;
}
```

```
function addBudget() {
    const budget = document.getElementById("budget").value;
    const expenses = document.getElementById("expensesAmount").innerText;

    document.getElementById("budgetAmount").innerHTML = budget;
    document.getElementById("balanceAmount").innerHTML = budget - expenses;
}
```

```
i = 0;
const bdgtlist = [[], []];
```

```
function addExpense() {
    const expName = document.getElementById("expenseName").value;
    const expAmount = document.getElementById("expenseAmt").value;
    if (/[a-zA-Z0-9]/.test(expName)==true && expAmount != 0) {
        bdgtlist[0][i] = expName;
        console.log(typeof expName)
        bdgtlist[1][i] = expAmount;
        i++;
        Showlist()
    }
    if (/[a-zA-Z0-9]/.test(expName)==false) {
        alert("Please give correct input! Name should not be Blank");
    }
    if (/[a-zA-Z0-9]/.test(expName)==true && expAmount == 0) {
        alert("Please give correct input! Amount should not be Zero");
    }
}
```

```
function Showlist() {
    document.getElementById("tbody").innerHTML = ""
    for (var j = 0; j < bdgtlist[0].length; j++) {

        var exp = bdgtlist[0][j]
        var amt = bdgtlist[1][j]
        if (exp != undefined && amt != undefined) {
            document.getElementById("tbody").innerHTML +=
```

```

        `<tr>
        <td id="exp">`+ exp + `</td>
        <td id="amt">`+ amt + `</td>
        <td id="del"><button onclick="deleteExp(`+ j + `)">&#10060;</button> </td>
    </tr>`;
    }

    }
    let totalexpAmt = 0;
    for (var j = 0; j < bdgtlist[0].length; j++) {
        if (bdgtlist[1][j] != undefined) {
            totalexpAmt += parseFloat(bdgtlist[1][j])
        }
    }
    document.getElementById("expensesAmount").innerHTML = totalexpAmt;
    updateBanner()
}

let id = 0;
function deleteExp(id) {
    bdgtlist[0].splice(id, 1)
    bdgtlist[1].splice(id, 1)
    Showlist()
}

```


Opened and see the change in budget ,expenses and balances

The screenshot shows a web browser window with the URL `C:/Users/BALA/Documents/VS%20Code%20Frontend/BudgetWebsite/html/budget.html`. The page title is "Budget Planner". At the top, there are three sections: "Budget", "Expenses", and "Balance", each with a rupee icon and a value of "Rs 0". Below these, there is a form to "Enter your Budget" with a value of "0" and an "Ok" button. Underneath, there is a section titled "Add Expenses" with a form to "Enter your Expense Name" (containing "Room Rent") and "Enter Amount" (containing "0"), followed by an "Add" button. At the bottom, there is a table with three columns: "Expense Name", "Expense Amount", and "Delete". The footer shows "© 2020 Copyright: PPK" and an "Activate Windows" watermark.

Budget Expenses Balance

Rs 0 Rs 0 Rs 0

Enter your Budget

Add Expenses

Enter your Expense Name Enter Amount

Expense Name	Expense Amount	Delete
--------------	----------------	--------

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Activate Windows
Go to Settings to activate Windows.

Budget and expenses are added

The screenshot shows the same web browser window, but the values have been updated. The "Budget" section now shows "Rs 5200", "Expenses" shows "Rs 5075", and "Balance" shows "Rs 125". The "Enter your Budget" form now has a value of "5200". The "Add Expenses" form now has "shoes" in the name field and "1100" in the amount field. The table below now contains four rows of expenses: "clothes" (2120), "food" (855), "fuel" (1000), and "shoes" (1100). Each row has a "Delete" button. The footer and "Activate Windows" watermark are the same as in the previous screenshot.

Budget Expenses Balance

Rs 5200 Rs 5075 Rs 125

Enter your Budget

Add Expenses

Enter your Expense Name Enter Amount

Expense Name	Expense Amount	Delete
clothes	2120	<input type="button" value="X"/>
food	855	<input type="button" value="X"/>
fuel	1000	<input type="button" value="X"/>
shoes	1100	<input type="button" value="X"/>

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Activate Windows
Go to Settings to activate Windows.

Budget

File | C:/Users/BALA/Documents/VS%20Code%20Frontend/BudgetWebsite/html/budget.html

Budget Planner

Budget Expenses Balance

Rs 5200 Rs 4220 Rs 980

Enter your Budget

Add Expenses

Enter your Expense Name Enter Amount

Expense Name	Expense Amount	Delete
clothes	2120	<input type="button" value="X"/>
fuel	1000	<input type="button" value="X"/>
shoes	1100	<input type="button" value="X"/>

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Activate Windows
Go to Settings to activate Windows.

Again with new prices added

Budget

File | C:/Users/BALA/Documents/VS%20Code%20Frontend/BudgetWebsite/html/budget.html

Budget Planner

Budget Expenses Balance

Rs 5200 Rs 5120 Rs 80

Enter your Budget

Add Expenses

Enter your Expense Name Enter Amount

Expense Name	Expense Amount	Delete
clothes	2120	<input type="button" value="X"/>
fuel	1000	<input type="button" value="X"/>
shoes	1100	<input type="button" value="X"/>
food	900	<input type="button" value="X"/>

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Activate Windows
Go to Settings to activate Windows.

Pushing to GitHub

Links to the GitHub repository to verify the project completion

<https://github.com/ppraveen62/Budgeting-web-app-proj-javascript--bootstrap.git>

MINGW64/e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp

```
PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootst
rsp
$ git init
Initialized empty Git repository in E:/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp/.git/

PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp (master)
$ git add .

PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp (master)
$

PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp (master)
$ git commit -m "all files are uploaded"
[master (root-commit) 977540a] all files are uploaded
11 files changed, 304 insertions(+)
create mode 100644 1.png
create mode 100644 2.png
create mode 100644 3.png
create mode 100644 4.png
create mode 100644 BudgetWebsite/css/budget.css
create mode 100644 BudgetWebsite/html/budget.html
create mode 100644 BudgetWebsite/images/indian-rupee.jpg
create mode 100644 BudgetWebsite/js/budget.js
create mode 100644 Description.txt
create mode 100644 Document.docx
create mode 100644 ~$cument.docx

PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp (master)
$ git branch -M main

PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp (main)
$ git remote add origin https://github.com/ppraveen62/Budgeting-web-app-proj-javascript--bootstrap.git

PPK@PPK MINGW64 /e/simplilearn/github/phase 4/budgeting webapp-javascript-bootstrsp (main)
$ git push -u origin main
Enumerating objects: 18, done.
Counting objects: 100% (18/18), done.
Delta compression using up to 4 threads
Compressing objects: 100% (14/14), done.
Writing objects: 100% (18/18), 385.61 KiB | 12.05 MiB/s, done.
Total 18 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), done.
```