
PROJECT: EXPENSIFY

IT314 – SOFTWARE ENGINEERING

GROUP 26

TASK : SYSTEM TESTING (BUDGET & DOWNLOAD)



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GROUP MEMBERS:

| ID | NAME |
|-----------|-------------------------------|
| 202201410 | SIDDHANT KOTAK |
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BLACKBOX TESTING

1) Create or Update Budget :

- **Budget Name :**

- Budget Name cannot be empty

- **Budget Amount :**

- Budget Amount cannot be empty
- Budget Amount does not contain any space
- Budget amount has only numerical value

➤ **Equivalence class :**

| Equivalence class | Name | Amount | Result |
|-------------------|---------|---------|---------|
| E1 | valid | valid | success |
| E2 | invalid | valid | error |
| E3 | valid | invalid | error |
| E4 | invalid | valid | error |

➤ **Boundary value analysis :**

| Budget Name | Budget Amount | Expected Output | Actual Output | Reason for Outcome |
|-------------|---------------|-----------------|-----------------------------|--------------------|
| -- | 1000 | Fail | Error : Button is locked | Name Constraint |
| ABC | -- | Fail | Error : Button is locked | Amount Constraint |
| XYZ | ABC | Fail | Error : Button is locked | Amount Constraint |
| ABC | 50 00 | Fail | Error : Button is locked | Amount Constraint |
| ABY | 5678 | Pass | Pass | Success |

2) Add New Expense :

▪ Expense Name :

- Expense Name cannot be empty

▪ Expense Amount :

- Expense Amount cannot be empty
- Expense Amount does not contain any space
- Expense Amount has only numerical value

➤ Equivalence class :

| Equivalence class | Name | Amount | Result |
|-------------------|---------|---------|---------|
| E1 | valid | valid | success |
| E2 | invalid | valid | error |
| E3 | valid | invalid | error |
| E4 | invalid | invalid | error |

➤ Boundary value analysis :

| Expense Name | Expense Amount | Expect Output | Actual Output | Reason for Outcome |
|--------------|----------------|---------------|--------------------------|--------------------|
| -- | 1000 | Fail | Error : Button is locked | Name Constraint |
| ABC | -- | Fail | Error : Button is locked | Amount Constraint |
| ABC | XYZ | Fail | Error : Button is locked | Amount Constraint |
| ABC | 50 00 | Fail | Error : Button is locked | Amount constraint |
| ABC | 5678 | Pass | Pass | Success |

3) Download :

- **Start date :**

- Start date must be chosen
- Start date must be less or Equal to End date

- **End date :**

- End date must be chosen

➤ **Equivalence class :**

| Equivalence class | Name | Amount | Result |
|-------------------|---------|---------|---------|
| E1 | valid | valid | success |
| E2 | invalid | valid | error |
| E3 | valid | invalid | error |
| E4 | invalid | invalid | error |

➤ **Boundary value analysis :**

| Start Date | End Date | Expect Output | Actual Output | Reason for Outcome |
|------------|-----------|---------------|----------------------------------|---------------------|
| -- | -- | Fail | Error : Please select both dates | Did not choose both |
| 2-12-2024 | -- | Fail | Error : Please select both dates | Did not choose both |
| -- | 2-12-2024 | Fail | Error : Please select both dates | Did not choose both |
| 2-12-2024 | 1-12-2024 | Fail | Error : StartDate <= Enddate | Date Constraint |
| 1-12-2024 | 2-12-2024 | Pass | Pass | Success |


ACCEPTENCE TESTING

I. Create or Update Budget :

1)

| Budget Name | Budget Amount | Expect Output | Actual Output | Reason for Outcome |
|-------------|---------------|---------------|--------------------------|--------------------|
| -- | 6000 | Fail | Error : Button is locked | Name Constraint |

Create New Budget



Budget Name

e.g. Home Decor

Budget Amount


6000

Create Budget

2)

| Budget Name | Budget Amount | Expect Output | Actual Output | Reason for Outcome |
|-------------|---------------|---------------|--------------------------|--------------------|
| ABC | --- | Fail | Error : Button is locked | Amount Constraint |

Create New Budget



Budget Name

ABC

Budget Amount


e.g. 5000

Create Budget

3)

| Budget Name | Budget Amount | Expect Output | Actual Output | Reason for Outcome |
|-------------|---------------|---------------|---------------|--------------------|
| ABC | 8765 | Pass | Pass | Success |

Update Budget



Budget Name

ABC

Budget Amount

8765

Update Budget


II. Add New Expense :

1)

| Expense Name | Expense Amount | Expect Output | Actual Output | Reason for Outcome |
|--------------|----------------|---------------|--------------------------|--------------------|
| -- | 1000 | Fail | Error : Button is locked | Name Constraint |

← ABC

Edit Delete

 ABC
0 Items
\$0 Spent \$5678 Remaining

Add New Expense

Expense Name

e.g. Bedroom Decor

Expense Amount

1000

Currency

USD

Payment Method

Cash

Add New Expense

2)

| Expense Name | Expense Amount | Expect Output | Actual Output | Reason for Outcome |
|--------------|----------------|---------------|--------------------------|--------------------|
| XYZ | -- | Fail | Error : Button is locked | Amount Constraint |

← ABC

EditDelete

ABC

0 Items

\$0

\$0 Spent

\$5678 Remaining

Add New Expense

Expense Name

XYZ

Expense Amount

e.g. 1000

Currency

USD

Payment Method

Cash

Add New Expense

3)

| Expense Name | Expense Amount | Expect Output | Actual Output | Reason for Outcome |
|--------------|----------------|---------------|---------------|--------------------|
| XYZ | 1000 | Pass | Pass | Success |

← ABC

EditDelete

ABC

0 Items

\$0

\$0 Spent

\$5678 Remaining

Add New Expense

Expense Name

XYZ

Expense Amount

1000

Currency

USD

Payment Method

Cash

Add New Expense

III. DOWNLOAD REPORT

1)

| Start Date | End Date | Expect Output | Actual Output | Reason for Outcome |
|------------|-----------|---------------|------------------------------|--------------------|
| 2-12-2024 | 1-12-2024 | Fail | Error : StartDate <= Enddate | Date Constraint |

Download Expense Report

02-12-2024

01-12-2024

Download PDF

Latest Expenses

Start date should be less than or equal to the end date.

2)

| Start Date | End Date | Expect Output | Actual Output | Reason for Outcome |
|------------|----------|---------------|----------------------------------|---------------------|
| 2-12-2024 | -- | Fail | Error : Please select both dates | Did not choose both |

Download Expense Report

02-12-2024

dd-mm-yyyy

Download PDF

Latest Expenses

Please select both start and end dates.

3)

| Start Date | End Date | Expect Output | Actual Output | Reason for Outcome |
|------------|-----------|---------------|---------------|--------------------|
| 1-12-2024 | 2-12-2024 | Pass | Pass | Success |

Download Expense Report

01-12-2024

02-12-2024

Download PDF

Latest Expenses

Name: Pen

Amount: \$10

Date: 12/1/2024

Payment Method: UPI

Name: indian oil

Amount: \$100

Date: 12/1/2024

Payment Method: Credit

Name: Mini Thali

Expense report downloaded successfully!