


## SCREENSHOTS

### HOMEPAGE

Home Sign Up Login

# IBM-Project- 10844-165923810

## Personal Expense Tracker Application

**Software Required:**  
Python, Flask , Docker

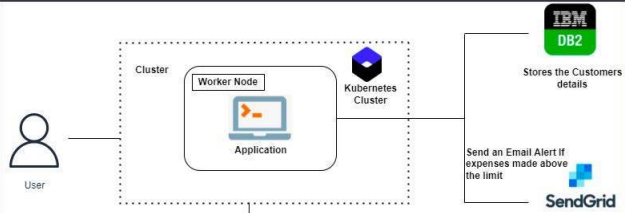
**System Required:**  
8GB RAM, Intel Core i3, OS-Windows/Linux/MAC, Laptop or Desktop

### Introduction

In simple words, personal finance entails all the financial decisions and activities that a Finance app makes your life easier by helping you to manage your finances efficiently. A personal finance app will not only help you with budgeting and accounting but also give you helpful insights about money management.

Personal finance applications will ask users to add their expenses and based on their expenses wallet balance will be updated which will be visible to the user. Also, users can get an analysis of their expenditure in graphical forms. They have an option to set a limit for the amount to be used for that particular month if the limit is exceeded the user will be notified with an email alert.


### Technical Architecture:



```
graph LR
    User((User)) --> Application
    subgraph Cluster
        Application[Application]
    end
    Application --> K8s[Kubernetes Cluster]
    K8s --> DB2[IBM DB2]
    K8s --> SendGrid[SendGrid]
```

The diagram illustrates the technical architecture of the application. A User interacts with the Application running on a Worker Node within a Cluster. The Application is connected to a Kubernetes Cluster, which in turn connects to IBM DB2 (storing customer details) and SendGrid (for email alerts).

### SIGNUP

Home Sign Up Login

**First Name**

**Last Name**

**Email address**

**Username**

**Password**

**Confirm Password**

**Monthly Limit**

Have an account? [Login](#)

LOGIN

ExpenseTracker

HomeSign UpLogin

Username

DhanishDeva

Password

\*\*\*\*\*

Login

Forgot Password?

Don't have an account? SignUp

FORGOT PASSWORD

ExpenseTracker

HomeSign UpLogin

FORGOT PASSWORD

Enter the registered email address of your account and we shall send you an email.

The email will consist of a link. Click on the link to reset your password.

The link will expire in 30 minutes

Email address

Submit

ADD TRANSACTION

ExpenseTracker

[Home](#) [Add Transactions](#) [Transaction History](#) [Logout](#)

Transaction Successfully Recorded

Add Transactions

Enter Amount

Select Category

Enter Description

Add

Expenses Made This Month = ₹ 2200

Comparison Bar Chart

Category Pie Chart

| Date        | Amount | Category       | Description   |                 |                   |
|-------------|--------|----------------|---------------|-----------------|-------------------|
| 5 hours ago | 1000   | Miscellaneous  | For Concert   | <div>Edit</div> | <div>Delete</div> |
| 5 hours ago | 200    | Miscellaneous  | Lunch         | <div>Edit</div> | <div>Delete</div> |
| 5 hours ago | 1000   | Transportation | Train for CBE | <div>Edit</div> | <div>Delete</div> |

EDIT TRANSACTION

ExpenseTracker

[Home](#) [Add Transactions](#) [Transaction History](#) [Logout](#)

Edit Transaction

Amount

200

Description

Lunch (To Edit)

Submit

Transaction Updated

✕

## Transaction History

Select Month

▼

2022

Submit

Total Expenses = ₹ 2200

Comparison Bar Chart

Category Pie Chart

| Date / Time       | Amount | Category       | Description     |      |        |
|-------------------|--------|----------------|-----------------|------|--------|
| 13 November, 2022 | 1000   | Miscellaneous  | For Concert     | Edit | Delete |
| 13 November, 2022 | 200    | Miscellaneous  | Lunch (To Edit) | Edit | Delete |
| 13 November, 2022 | 1000   | Transportation | Train for CBE   | Edit | Delete |

## DELETE TRANSACTION

Transaction Deleted

✕

## Add Transactions

Enter Amount

Select Category

▼

Enter Description

Add

Expenses Made This Month = ₹ 2000

Comparison Bar Chart

Category Pie Chart

| Date        | Amount | Category       | Description  |      |        |
|-------------|--------|----------------|--------------|------|--------|
| 5 hours ago | 1000   | Transportation | Train to CBE | Edit | Delete |
| 5 hours ago | 1000   | Miscellaneous  | For Concert  | Edit | Delete |

TRANSACTION HISTORY

ExpenseTracker

HomeAdd TransactionsTransaction HistoryLogout

Transaction History

Select Month

2022

Submit

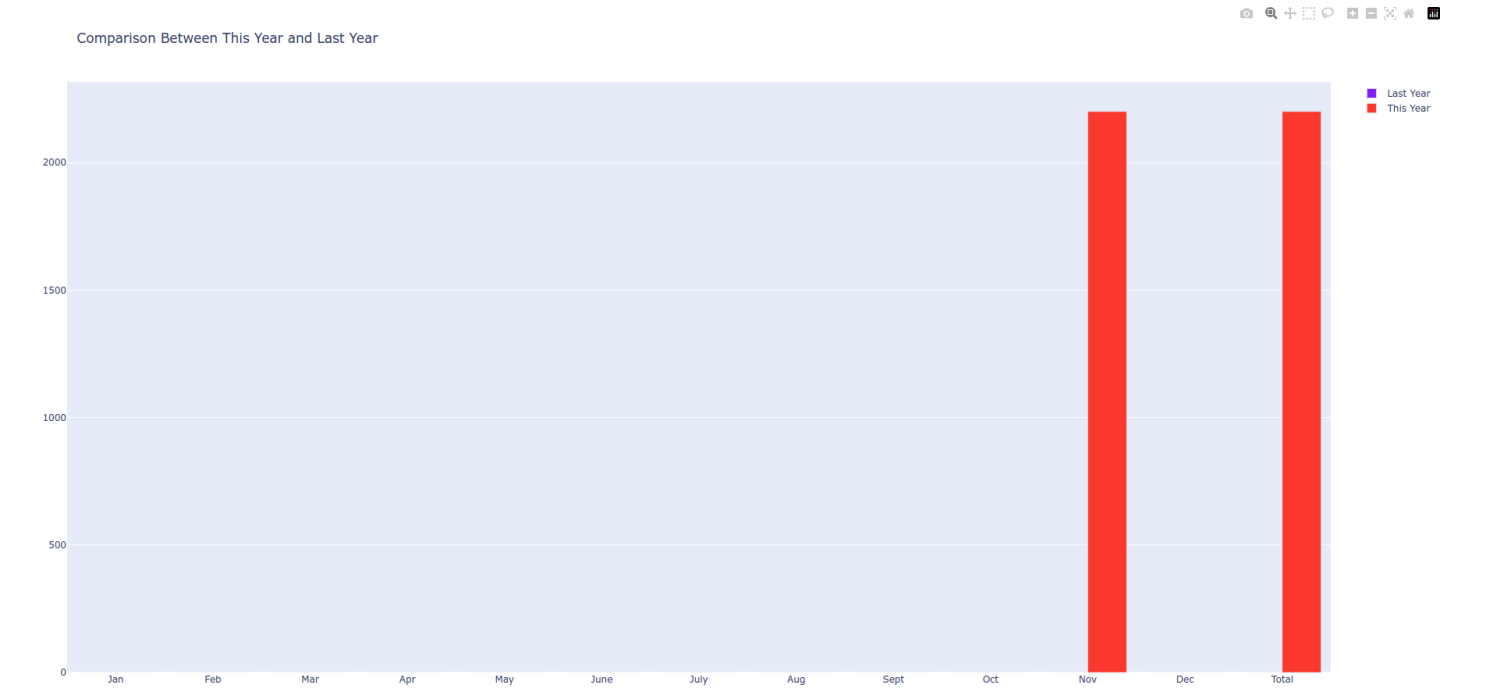
Total Expenses = ₹ 2200

Comparison Bar Chart

Category Pie Chart

| Date / Time       | Amount | Category       | Description     |      |        |
|-------------------|--------|----------------|-----------------|------|--------|
| 13 November, 2022 | 1000   | Miscellaneous  | For Concert     | Edit | Delete |
| 13 November, 2022 | 200    | Miscellaneous  | Lunch (To Edit) | Edit | Delete |
| 13 November, 2022 | 1000   | Transportation | Train for CBE   | Edit | Delete |

Comparison Bar Chart



Monthly expense limit exceeded email

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1 of 1,065

◀ ▶

Monthly Expense limit exceeded 📧 inbox x

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Dhinesh Kumar

to me ▾

Hi,  
Your expense for this month has exceeded 2000

↩ Reply

➡ Forward

17:49 (4 minutes ago)

☆

↩

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