

SHIVAJI UNIVERSITY, KOLHAPUR

A

PROJECT REPORT ENTITLED

"Income and Expense Managing System"

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR

THE DEGREE OF

BACHELOR OF COMPUTER

APPLICATION SUBMITTED BY,

Ms. Bhagyashri P.Bhosale

Ms. Yogita.D.Mane

Ms. Ankita D. Patil

UNDER THE GUIDENCE OF

Mr. J.A.Khatib

THROUGH

THE PRINCIPAL,

**DATTAJIRAO KADAM ARTS, COMMERCE AND SCIENCE COLLEGE,
ICHALKARANJI**

March, 2023



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार”
- शिक्षणमहर्षि डॉ.बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's
Dattajirao Kadam
Arts, Science & Commerce College, Ichalkaranji

DEPARTMENT OF COMPUTER APPLICATION

CERTIFICATE

This is to certify that the project report entitled
“Income And Expenses Managing System”
is record of the project work, carried out in this college by
Ms. Bhagyashri P. Bhosale, Ms. Yogita D. Mane, Ms.
Ankita D. Patil, in the partial fulfillment of “**Bachelor of**
Computer Application (Semester VI)” as laid down by
Shivaji University, Kolhapur.

Place : Ichalkaranji

Date: / / 2023

(Mr. J. A. Khatib)

(Mr. A. R. Swami)

(Dr. A. N. Patil)

Examiner

1) _____

2) _____

Declaration

To,
The Registrar,
Shivaji University,
Kolhapur.

Sir,

We undersigned hereby declare that the project report entitled
“Income And Expenses Managing System ”

Submitted by us under the guidance of Mr. J. A. Khatib is our original work. The empirical findings in this report are based on information collected by us. We have not copied from any report submitted to Shivaji University, Kolhapur.

We undersigned that any such coping is liable to the punishment in a way that University Authorities deem fit.

Place : Ichalkaranji

Date: / / 2023

Ms. Bhagyashri P. Bhosale

Ms. Yogita D. Mane

Ms. Ankita D. Patil

Acknowledgement

As we have developed our project on “Income And Expenses Managing Sysytem”. We have been fortunate to receive assistance, suggestion and support from numerous friends and faculty.

First and foremost our thanks go to our guide Respected . We express our willing of immense gratitude for their guidance and kind help.

We take this opportunity to thanks all the teaching and non-teaching staff members and our friends who were of great help in the process of completion of this project.

We also sincere mark to staff in the computer laboratory for their kind cooperation and encouragement let us to complete work in the time.

Place: Ichalkaranji

Date: / / 2023

Ms. Bhagyashri P. Nikam

Ms. Yogita D. Mane

Ms. Ankita D. Patil

INDEX

Sr. No	Topics	Page No
1	Introduction to project a) Introduction b) Existing System c) Need & Scope of system	1 to 4
2	Proposed system a) Objective b) Requirement Gathering	5 to 6
3	System Diagrams a) DFD b) ERD	7 to 10
4	System Requirements <ul style="list-style-type: none">• Hardware• Software	11
5	System Design a) Database Design b) Input Design	12 to 20
6	Outputs Input Screen and Reports	21 to 27
7	Conclusion & Suggestions a) Conclusion & Suggestions b) Future Enhancement	28 to 29
8	Bibliography	30

INTRODUCTION OF PROJECT

PROPOSED SYSTEM

SYSTEM DIAGRAM

SYSTEM REQUIREMENT

SYSTEM DESIGN

OUTPUTS

CONCLUSION AND SUGGESTION

BIBLIOGRAPHY

Introduction

“Income and Expenses Managing System” is a software application. This system is developed to automate day to day activity of an income and expenses. Now a day’s people don't keep track of their monthly expenses and receivables and they don't have control over what they have .It has become a problem that people don't have control over their income , what they get their income from and what they spend that income on .People find it difficult to remember their expenses. Goes that’s why we have created a mobile application to manage or record your monthly expenses. Whatever you spend monthly will be recorded daily in this application.

Income and expense management system is a mobile application that is intended to run on android devices i.e. smart phones. In this application we have designed a register and login form for the user. Also, this application has five main sections like Dashboard, Income, Expense, View Income, View Expense, etc. User can add the income received in the main section Income Detail. And the spent details can be added in Expense Details. And you can see the financial summary of your expenses on the Dashboard.

Many people have a habit of how much they spent on what. Or to keep a record of how much money we have earned and how we have earned it, we either try to remember those records or note them down in a diary but we are going to develop this app for that. Thus, the Income and Expense Management System is an application that allows you to control the household budget for users who want to save money.

Income and Expenses Managing System is the system for manage the daily income and Expenses transaction. You can control your finances, you will know how much you spend, you will have financial control over money and saving problem will be less. Also, Income and Expense Management System is the easiest and most user-friendly application to control your finances.

Existing System

If you're referring to an income and expenses system project, it generally involves tracking and managing financial transactions within an organization. This system helps monitor income sources, such as revenue from sales or investments, and tracks expenses, such as operating costs, salaries, or inventory purchases.

Here are some common components of an income and expenses system project:

Income Tracking: The system captures and records income from various sources, such as sales, services, rentals, or investments. It may integrate with other systems like point-of-sale (POS) terminals or e-commerce platforms to automate data collection.

Expense Tracking: The system allows for the recording and categorization of expenses, including salaries, rent, utilities, supplies, marketing, and other operational costs. It enables the organization to monitor and control spending.

Budgeting: The system may include tools for creating budgets, setting financial goals, and forecasting future income and expenses. It helps in planning and decision-making by providing insights into the financial health of the organization.

It's important to note that the specifics of an income and expenses system project can vary depending on the organization's size, industry, and specific requirements. It's advisable to consult with financial professionals or software developers to design a system that suits your organization's needs.

Need & Scope of system

Need

- Earlier people used to write down their expenses in a register or a notebook to measure their profit or savings. Over time when they want to see their expenses, the notebook may get lost or not be found so there are develop this app for that to track expenses over time.
- Today there are many different software options available on desktop and mobile devices. The aim of this project is to create a web application for tracking expenses with the aim of making it as convenient as possible for users like.
- Any person should be able to see their expenses in their mobile phone and accordingly it will be easy for that person to plan his monthly expenses.
- Instead of writing any expenses in a notebook, we can see our transactions by recording or saving them in our mobile phone. This saves time. Records can be kept.

Scope

The scope of an Income and Expense Management System project would generally be to develop a software application that helps individuals or organizations to manage their financial transactions effectively. The main goal of such a system is to enable users to track their income and expenses, analyze spending patterns, and make informed decisions about budgeting and financial planning.

- The scope of an Income and Expense Management System project may include.
- Designing a user-friendly interface that allows users to enter their financial transactions and view reports and summaries of their income and expenses.
- The scope of an Income and Expense Management System project can be quite broad, and will depend on the specific needs and requirements of the users and the organization implementing the system.

Objective

The objective of an income and expenses system project, specifically focusing on budget, income, expenses, and categories, can be summarized as follows:

- **Budget Management:** The system aims to facilitate effective budget management by providing tools and functionalities to create, track, and analyze budgets. It allows organizations to set financial goals, allocate resources, and monitor budget performance.
- **Income Tracking:** The project objective is to accurately track and record all sources of income within the organization. The system should capture revenue from various channels, such as sales, services, investments, grants, or donations, and categorize them appropriately.
- **Expense Categories:** The objective is to establish a well-defined categorization system for expenses. The system should allow organizations to create and manage expense categories that align with their specific needs and industry standards. This categorization helps in analyzing spending patterns and identifying areas of cost optimization.
- The main aim of this project "Income and Expense management system" aims to know their expenses and save from it.
- It helps to user to avoid unexpected expenses and bad financial situation.
- This project will save time and provide a responsible lifestyle.
- With the help of this application, the user can analyze his transactions and from which income sources he spent his expenses

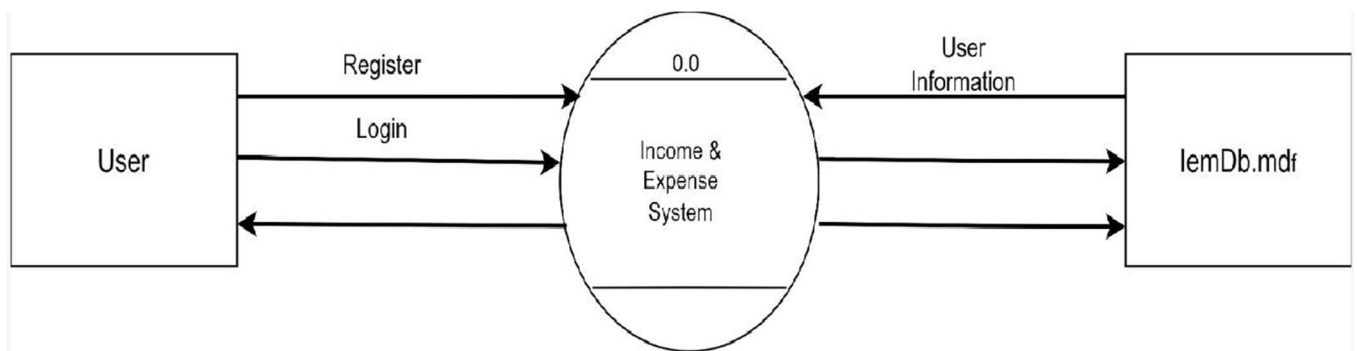
Requirement Gathering

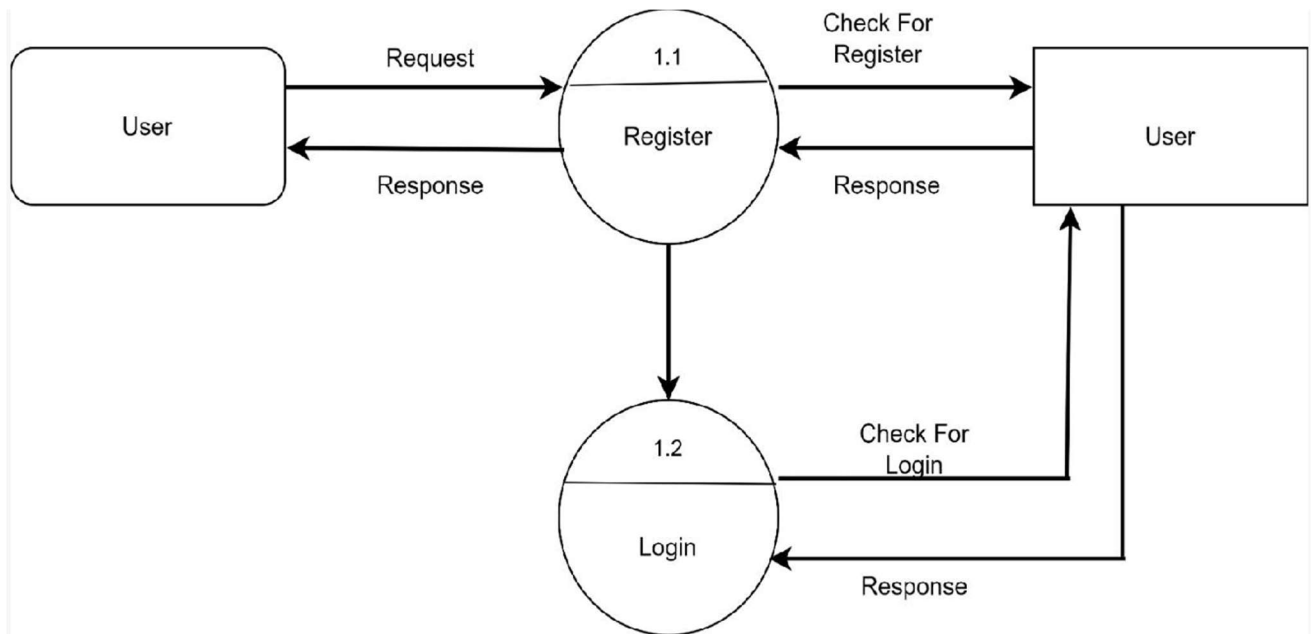
The Income and Expenses Management System is a comprehensive software solution designed to help individuals and businesses effectively track, manage, and analyze their financial transactions. This proposed system aims to provide users with a user-friendly interface, robust features for income and expense management, and detailed reporting capabilities to enhance financial control and decision-making.

Key Features:

- 1) User Authentication and Access Control: Implement secure user authentication and role-based access control to ensure data confidentiality and privacy.
- 2) Dashboard and Overview: Provide users with an intuitive dashboard that displays a summary of their income, expenses, and financial health. Users can easily navigate through the system and access relevant information.
- 3) Income Tracking: Allow users to record various sources of income, such as salary, business revenue, investments, and other miscellaneous income. Users can categorize income sources for better tracking and analysis.
- 4) Expense Tracking: Enable users to record and categorize expenses across different categories, such as utilities, rent, groceries, transportation, and more. Users can input expenses manually or import them from bank statements or other financial sources.
- 5) Budget Management: Facilitate the creation and management of budgets to help users set financial goals and track their progress. Users can allocate budget limits for different expense categories and receive alerts when nearing or exceeding limits.

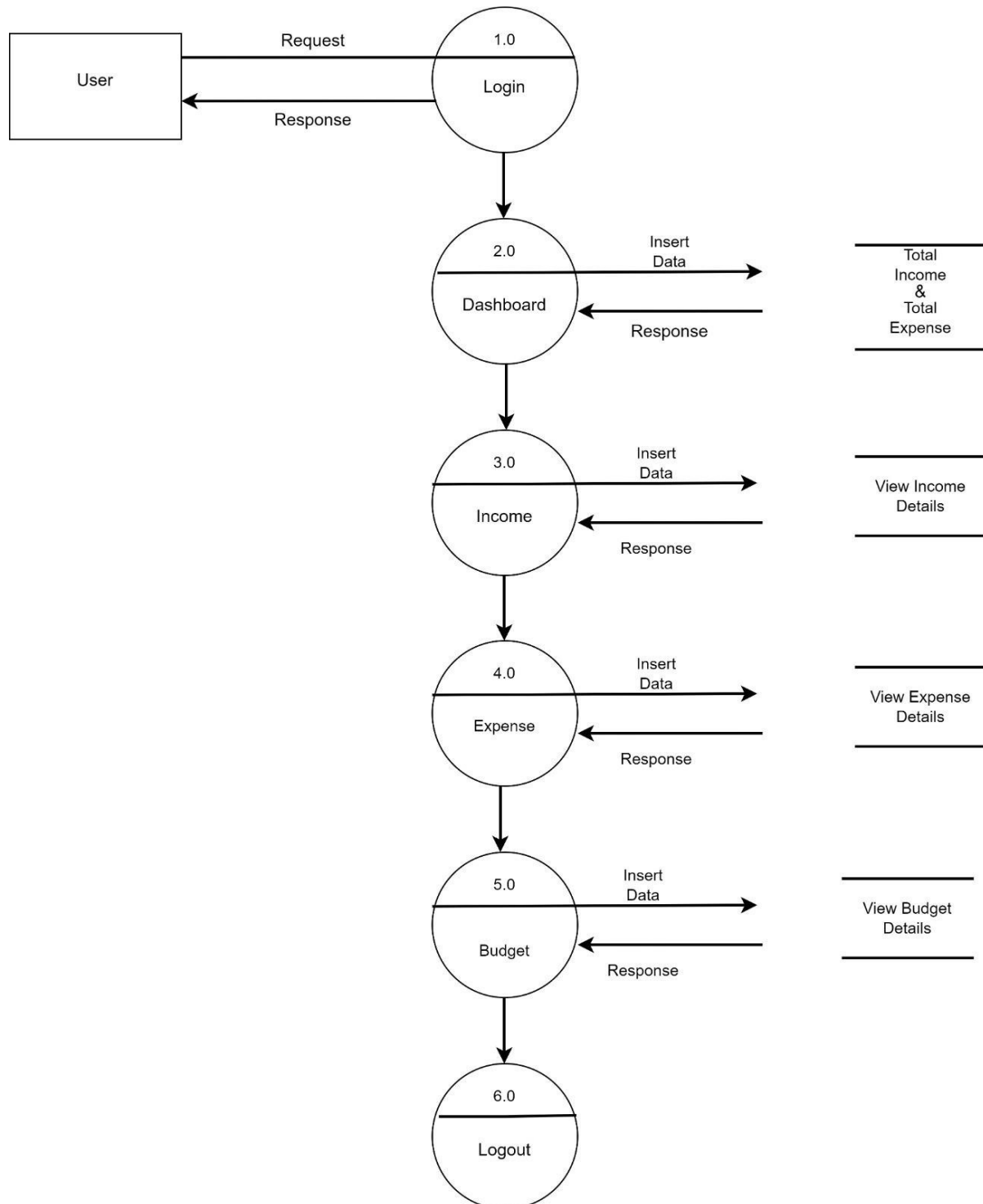
The proposed Income and Expenses Management System aims to simplify financial management for individuals and businesses. By leveraging technology and automation, the system provides tools for tracking income, recording expenses, setting budgets, generating reports, and achieving financial goals. Implementing this system can lead to better financial decision-making, improved savings, and a more organized approach to managing income and Expenses.

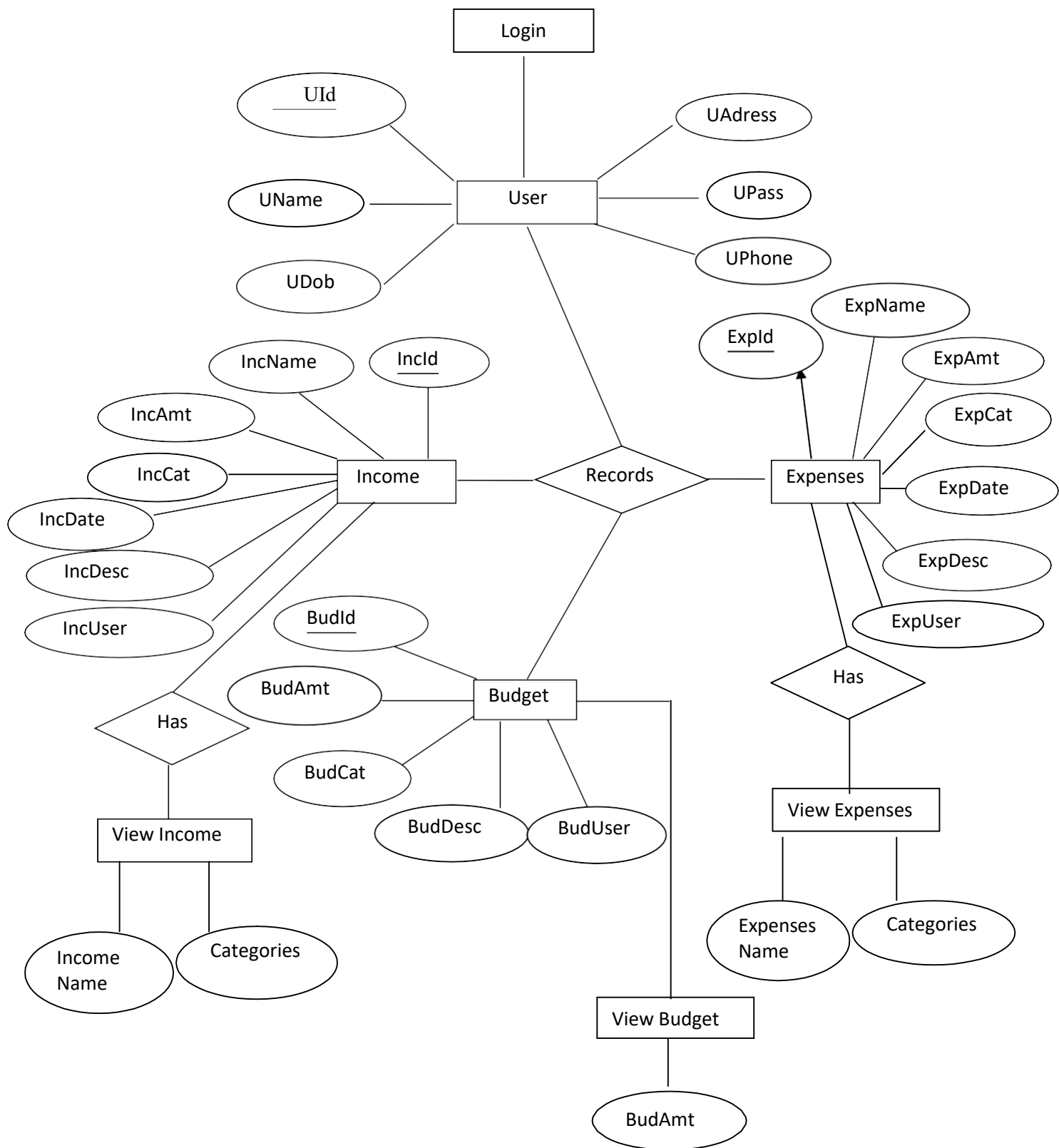
DFD**CONTEXT LEVEL DIAGRAM OF INCOME AND EXPENSES SYSTEM**

1-Level Diagram**USER SIDE LEVEL 1 DIAGRAM FOR INCOME AND EXPENSES SYSTEM**

2-Level Diagram

LEVEL 2 DIAGRAMS FOR INCOME AND EXPENSES SYSTEM



ERD

System Requirement

Hardware Requirement:-

PROCESSOR: Minimum i5

HARD DISK: 150mb

Software Requirement:-

Operating System

- I. WINDOWS10
- II. Application Software: M.S. Visual Studio 2010

Frontend:

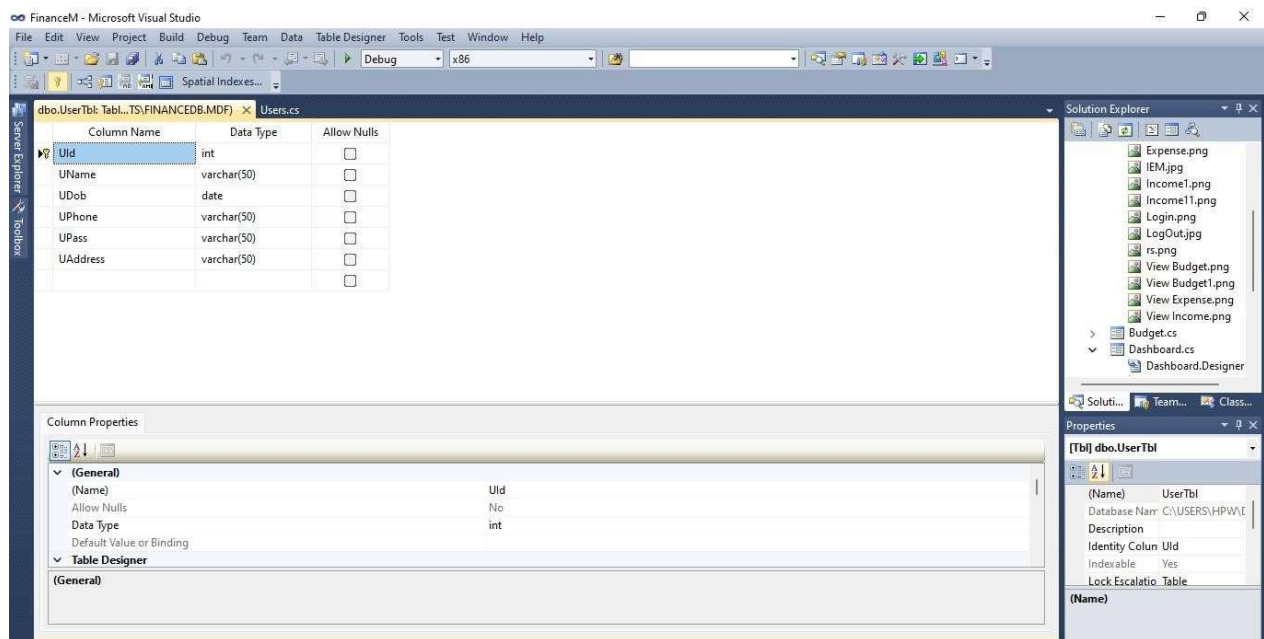
C#.Net

Backend:-

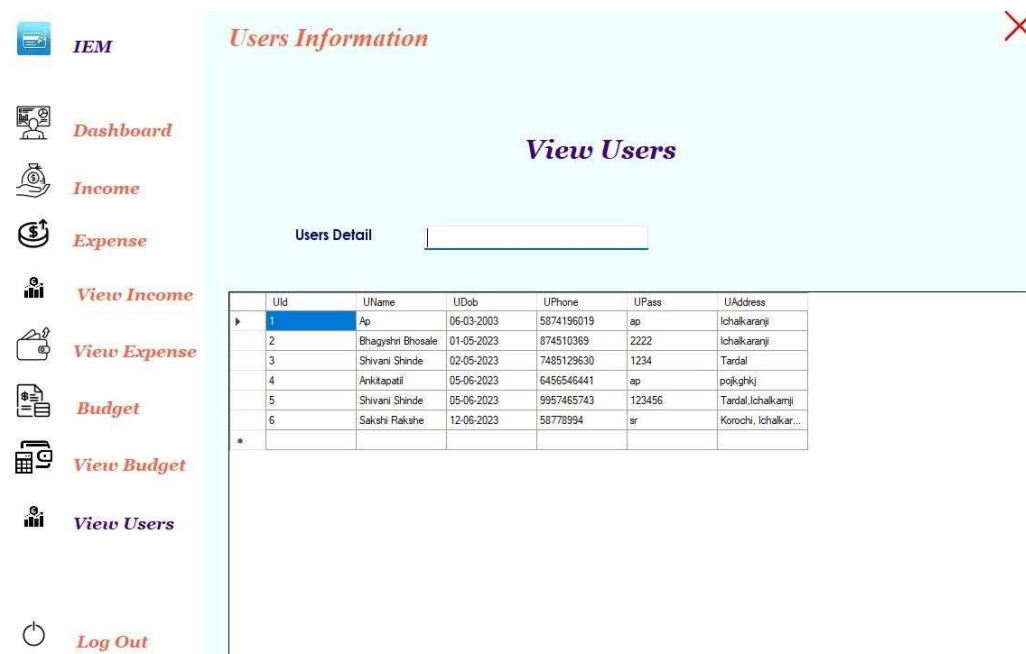
MySQL

Database Design

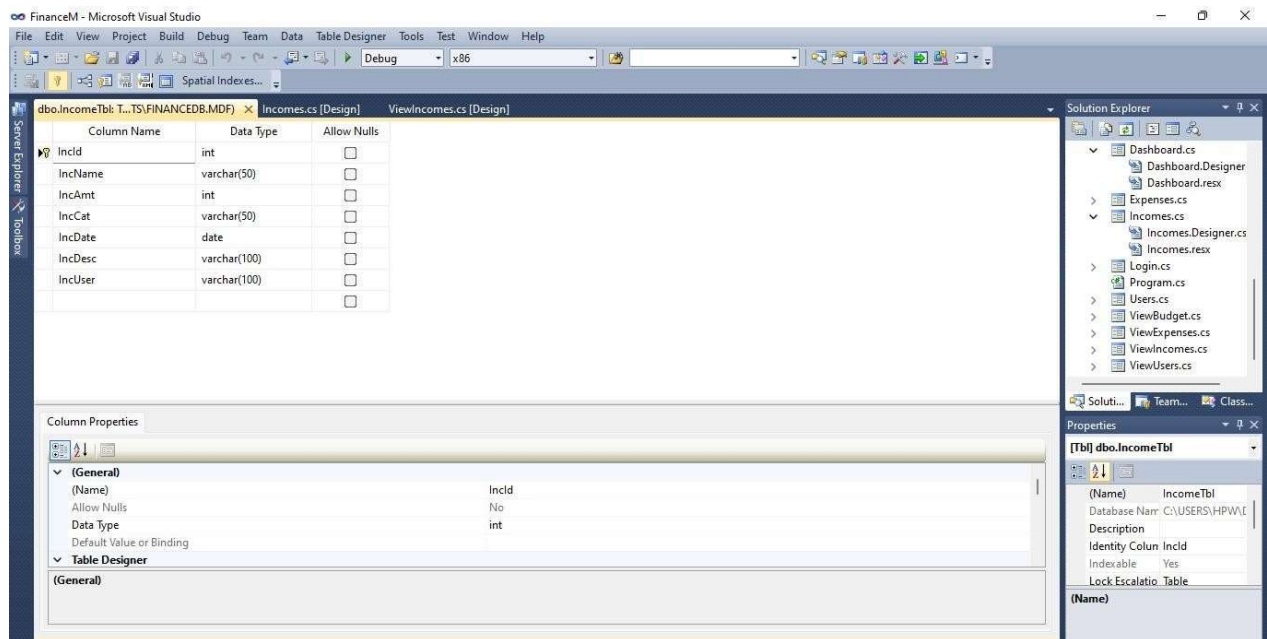
User Table



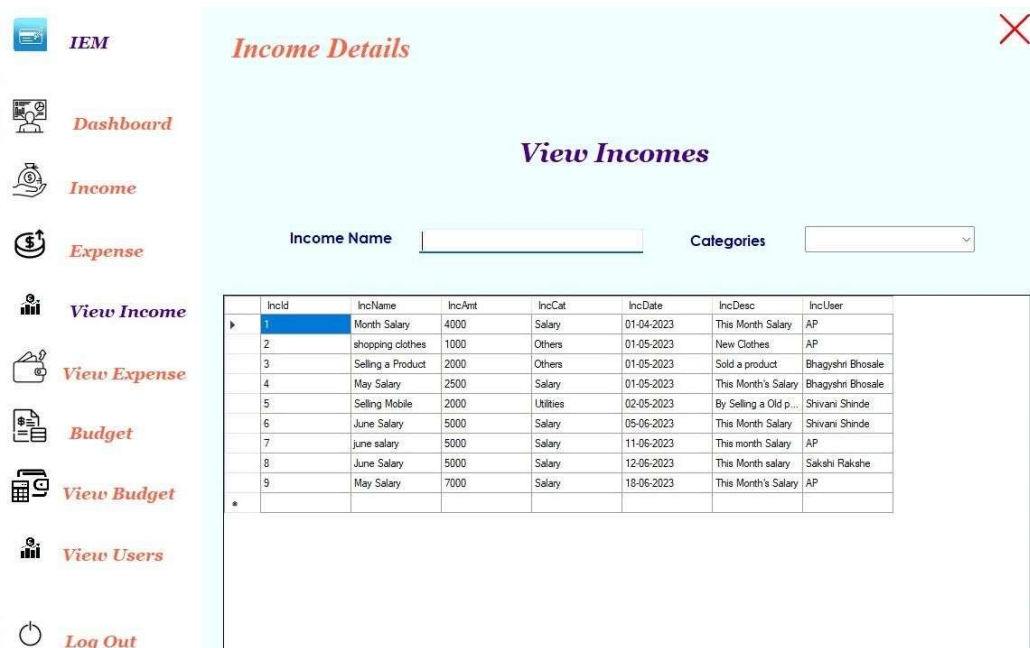
Output



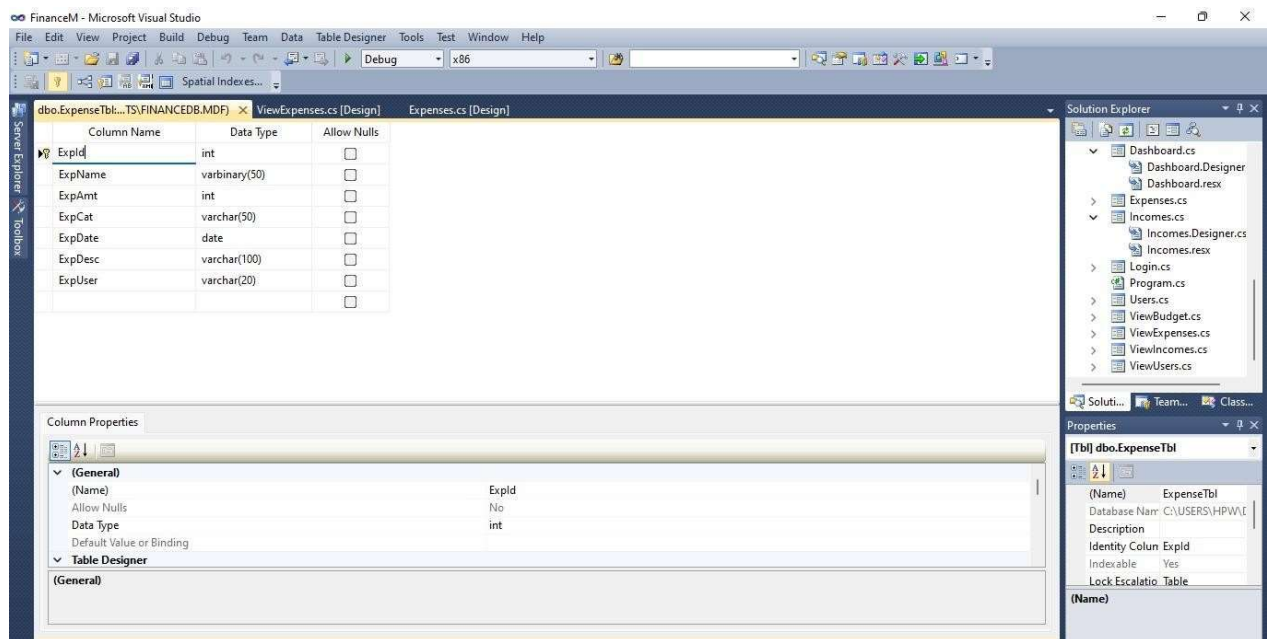
Income Table



Output



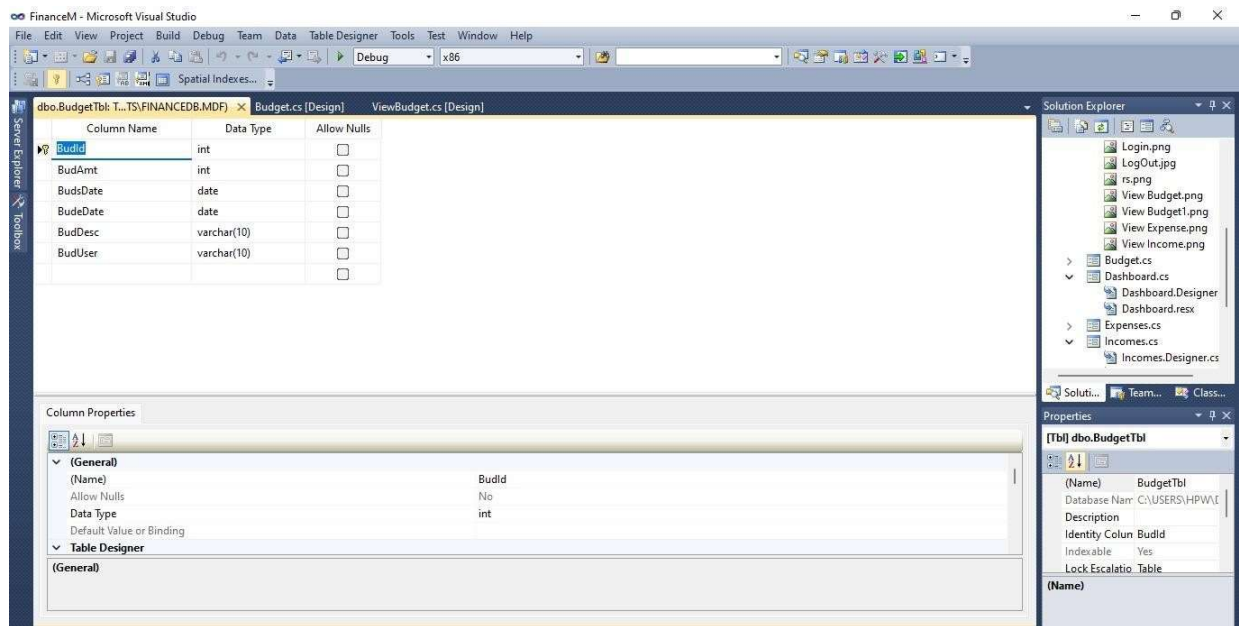
Expenses Table



Output

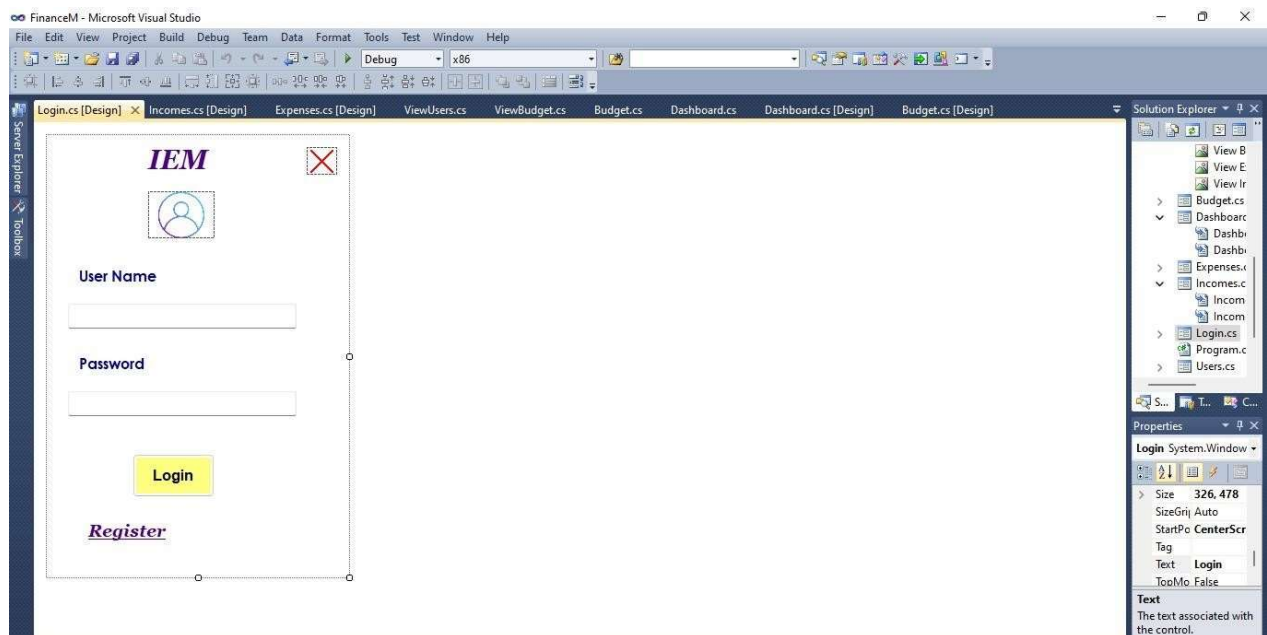


Budget Table

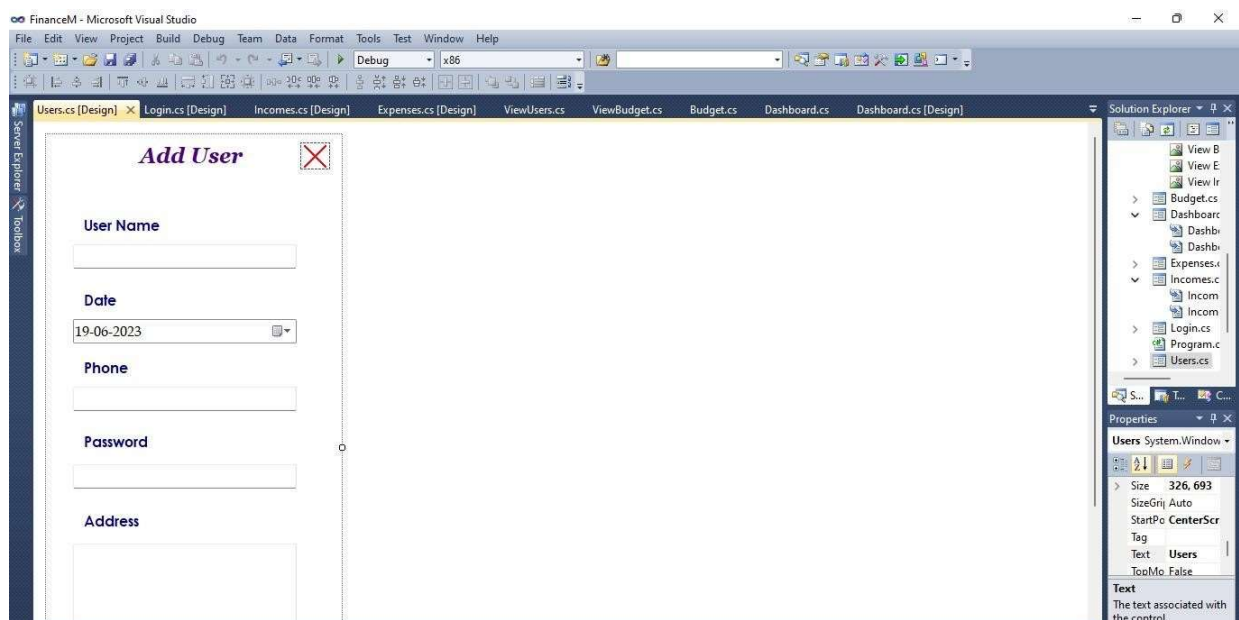


Input Design

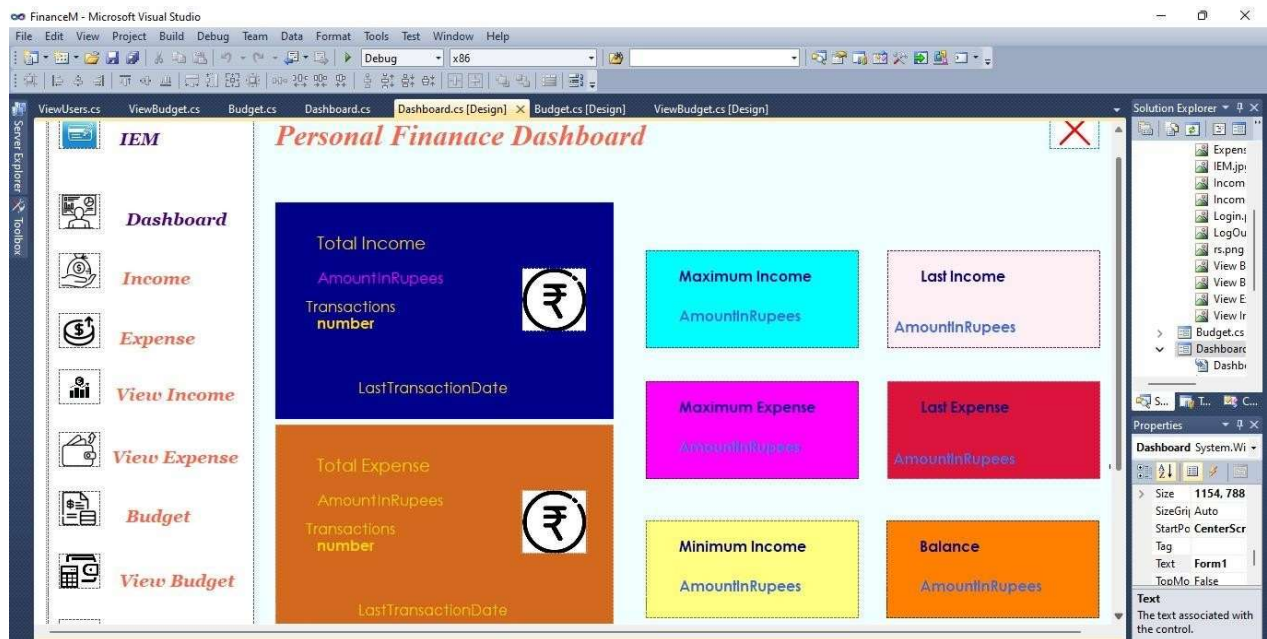
User Login



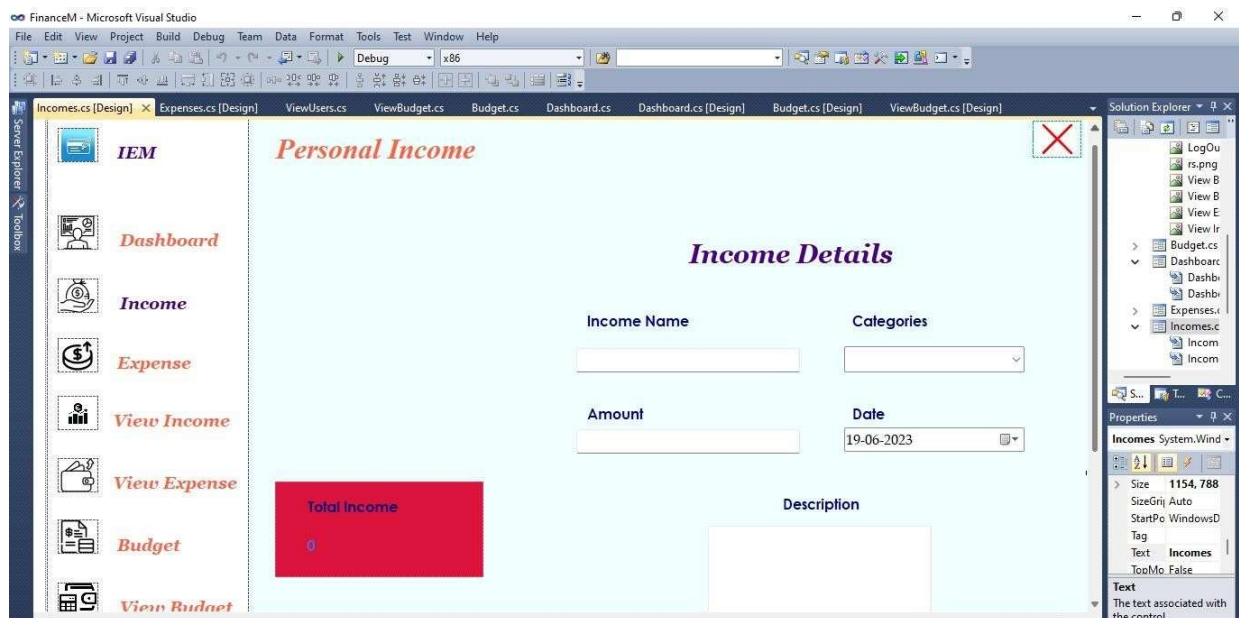
Register



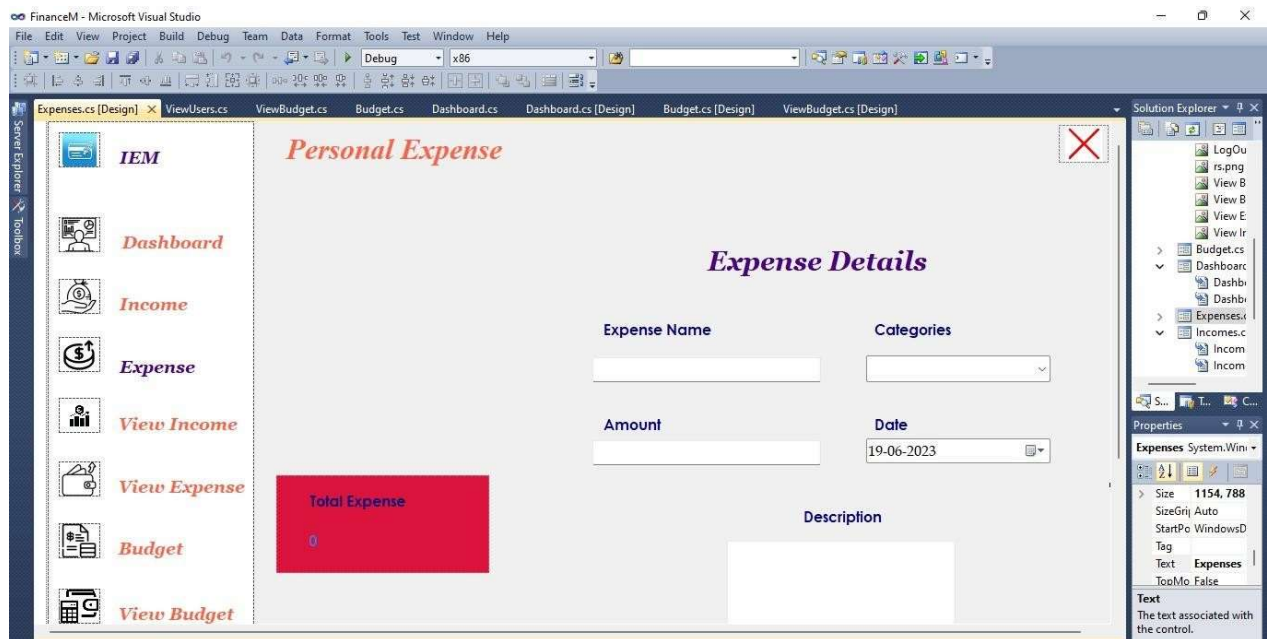
Dashboard



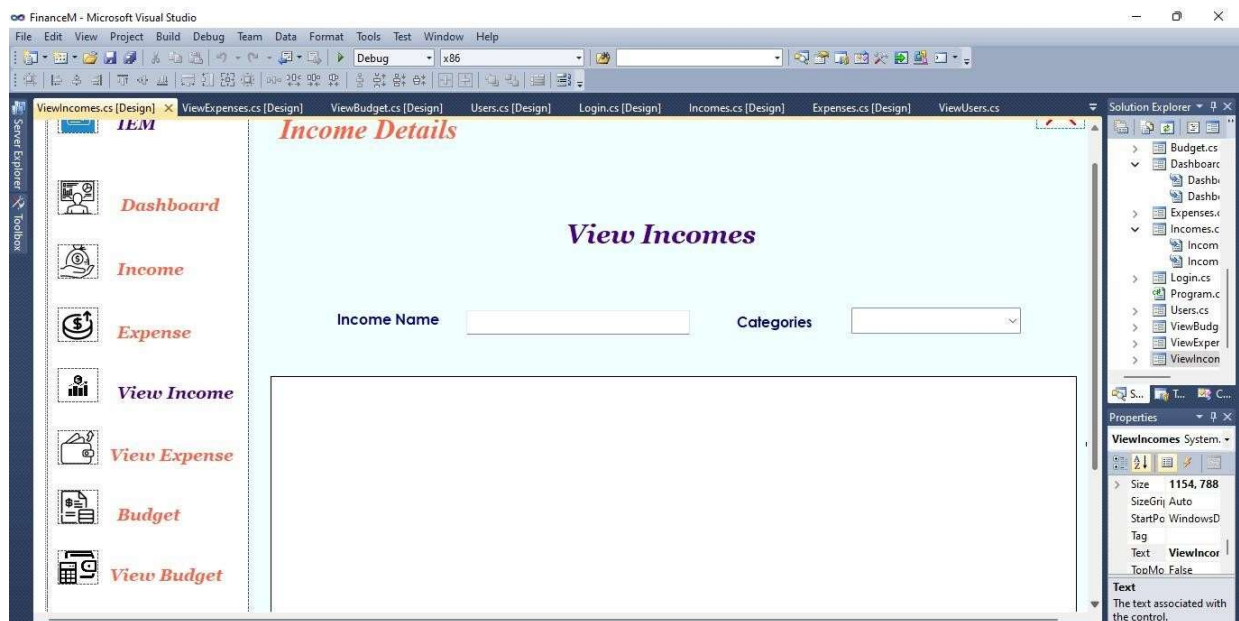
Income



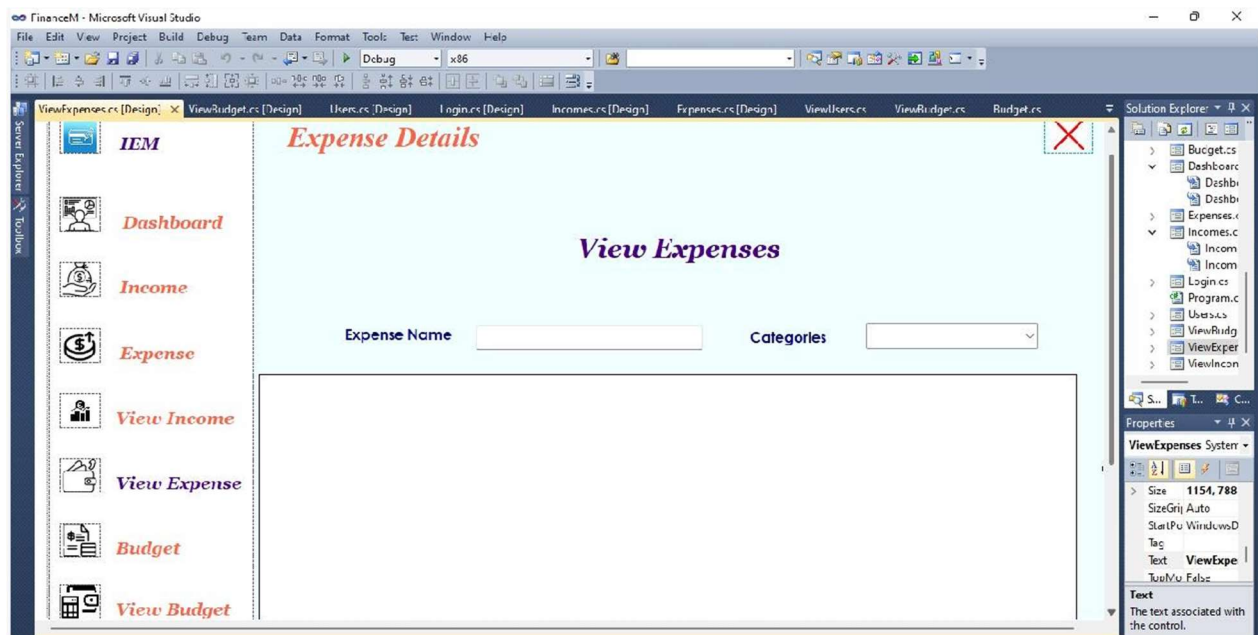
Expenses



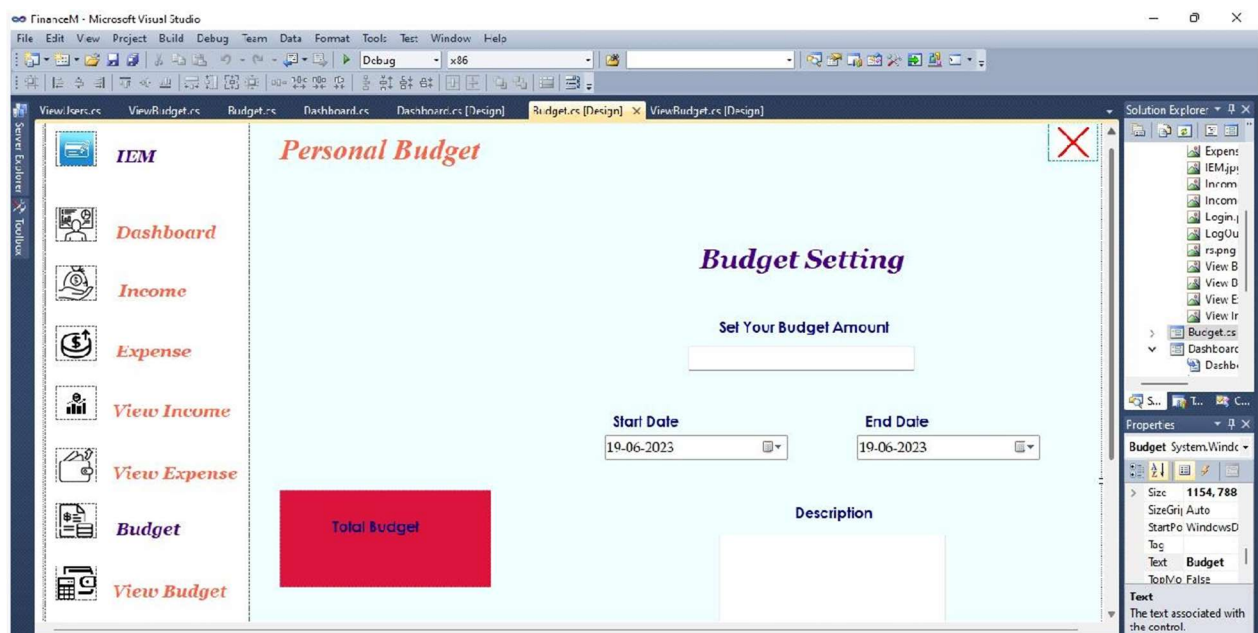
View Income



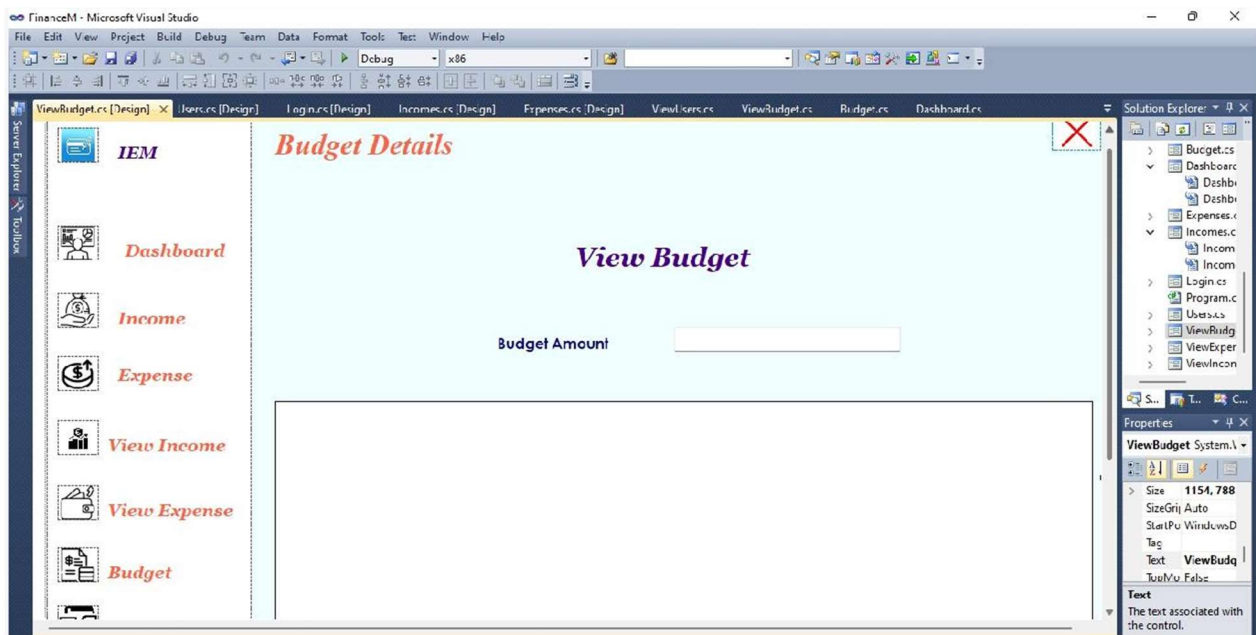
View Expenses



Budget



View Budget



Input Screen

User Login



The User Login form features a header with the text "IEM" in a stylized purple font and a red "X" icon. Below this is a circular icon containing a person silhouette. The form includes two input fields: "User Name" and "Password". A yellow "Login" button is positioned below the password field. At the bottom, there is a purple link labeled "Register".

Register



The Register form has a header with the text "Add User" in a stylized purple font and a red "X" icon. The form contains several input fields: "User Name", "Date" (with a calendar icon and the value "18-06-2023"), "Phone", "Password", and "Address". A yellow "Add" button is located below the "Address" field. At the bottom, there is a purple link labeled "Back".

Dashboard





Income


The form includes the following fields and sections:


- Income Name:** Text input field.
- Categories:** Dropdown menu.
- Amount:** Text input field.
- Date:** Date picker (set to 18-06-2023).
- Description:** Text area.
- Save Income:** Submit button.
- Total Income:** Summary box showing Rs 17000.


Expenses


**IEM**


**Dashboard**


**Income**


**Expense**


**View Income**

**View Expense**

**Budget**

**View Budget**

**View Users**

**Log Out**

Personal Expense

Expense Details

Expense Name

Categories

Amount

Date

Total Expense


Rs 800


Description


Save Expense


[Back](#)


Budget


**IEM**


**Dashboard**


**Income**


**Expense**


**View Income**

**View Expense**

**Budget**

**View Budget**

**View Users**

**Log Out**

Personal Budget

Budget Setting

Set Your Budget Amount

Start Date

End Date

Total Budget

Description

Save Budget

View Income

IEM

Dashboard

Income

Expense

View Income

View Expense

Budget

View Budget

View Users

Log Out

Income Details

View Incomes

Income Name
 Categories

Incid	IncName	IncAmt	IncCat	IncDate	IncDesc	IncUser
1	Month Salary	4000	Salary	01-04-2023	This Month Salary	AP
2	shopping clothes	1000	Others	01-05-2023	New Clothes	AP
3	Selling a Product	2000	Others	01-05-2023	Sold a product	Bhagyshri Bhosale
4	May Salary	2500	Salary	01-05-2023	This Month's Salary	Bhagyshri Bhosale
5	Selling Mobile	2000	Utilities	02-05-2023	By Selling a Old p...	Shivani Shinde
6	June Salary	5000	Salary	05-06-2023	This Month Salary	Shivani Shinde
7	june salary	5000	Salary	11-06-2023	This month Salary	AP
8	June Salary	5000	Salary	12-06-2023	This Month salary	Sakshi Rakhe
9	May Salary	7000	Salary	18-06-2023	This Month's Salary	AP

View Expenses

IEM

Dashboard

Income

Expense

View Income

View Expense

Budget

View Budget

View Users

Log Out

Expense Details

View Expenses

Expense Name
 Categories

ExpId	ExpName	ExpAmt	ExpCat	ExpDate	ExpDesc	ExpUser
1	Maggie	100	Food	08-04-2023	Some Maggie	AP
2	Shoes	500	Shopping	01-05-2023	Bought a New S...	Bhagyshri Bhosale
3	Bought some Gro...	2000	Food	30-04-2023	Grocery For Home	Bhagyshri Bhosale
4	Cloth Shopping	1000	Shopping	05-06-2023	Purchased new c...	Shivani Shinde
5	Shopping New S...	700	Shopping	15-06-2023	Buy new Shoes f...	AP

Reports

User Login



The User Login form is titled "IEM" with a red 'X' icon in the top right corner. It features a user icon placeholder. The form contains two input fields: "User Name" with the text "Yogita Mane" and "Password" with masked characters "*****". Below the password field is a yellow "Login" button. At the bottom, there is a blue, underlined link labeled "Register".

Register



The Register form is titled "Add User" with a red 'X' icon in the top right corner. It contains several input fields: "User Name" (Yogita Mane), "Date" (19-06-2023), "Phone" (8421576672), "Password" (@ymane33), and "Address" (Indira Nagar Pune). A yellow "Add" button is located at the bottom. A blue, underlined link labeled "Back" is positioned below the "Add" button. A modal dialog box is displayed over the form, titled "User Added..!" with an "OK" button.

Income

The screenshot shows the 'Personal Income' form in the IEM system. The left sidebar contains navigation links: IEM, Dashboard, Income, Expense, View Income, View Expense, Budget, View Budget, View Users, and Log Out. The main form area is titled 'Income Details' and includes fields for 'Income Name' (June Salary), 'Categories' (Salary), 'Amount' (15000), and 'Date' (19-06-2023). A 'Description' field contains 'This Month's Salary'. A red box on the left indicates 'Total Income: Rs'. A 'Save Income' button is at the bottom right.

Personal Income

Income Details

Income Name: June Salary Categories: Salary

Amount: 15000 Date: 19-06-2023

Description: This Month's Salary

Total Income: Rs

Save Income

Expenses

The screenshot shows the 'Personal Expense' form in the IEM system. The left sidebar contains navigation links: IEM, Dashboard, Income, Expense, View Income, View Expense, Budget, View Budget, View Users, and Log Out. The main form area is titled 'Expense Details' and includes fields for 'Expense Name' (Buy New Clothes), 'Categories' (Shopping), 'Date' (19-06-2023), and 'Description' (Bought some new clothes for me). A red box on the left indicates 'Total Expense: Rs'. A 'Save Expense' button is at the bottom right. A 'Back' link is at the bottom right. A small dialog box 'Expense Added!!' with an 'OK' button is visible.

Personal Expense

Expense Details

Expense Name: Buy New Clothes Categories: Shopping

Date: 19-06-2023

Description: Bought some new clothes for me.

Total Expense: Rs

Save Expense

Back

Expense Added!!

OK

View Income

IEM

 Dashboard

 Income

 Expense

 View Income

 View Expense

 Budget

 View Budget

 View Users

 Log Out

Income Details

View Incomes

Income Name
Categories

Incid	IncName	IncAmt	IncCat	IncDate	IncDesc	IncUser
1	Month Salary	4000	Salary	01-04-2023	This Month Salary	AP
2	shopping clothes	1000	Others	01-05-2023	New Clothes	AP
3	Selling a Product	2000	Others	01-05-2023	Sold a product	Bhagyshri Bhosale
4	May Salary	2500	Salary	01-05-2023	This Month's Salary	Bhagyshri Bhosale
5	Selling Mobile	2000	Utilities	02-05-2023	By Selling a Old p...	Shivani Shinde
6	June Salary	5000	Salary	05-06-2023	This Month Salary	Shivani Shinde
7	june salary	5000	Salary	11-06-2023	This month Salary	AP
8	June Salary	5000	Salary	12-06-2023	This Month salary	Sakshi Rakshe
9	May Salary	7000	Salary	18-06-2023	This Month's Salary	AP
10	June Salary	15000	Salary	19-06-2023	This Month's Salary	Yogita Mane
*						

View Expenses

IEM

 Dashboard

 Income

 Expense

 View Income

 View Expense

 Budget

 View Budget

 View Users

 Log Out

Expense Details

View Expenses

Expense Name
Categories

ExpId	ExpName	ExpAmt	ExpCat	ExpDate	ExpDesc	ExpUser
1	Maggie	100	Food	08-04-2023	Some Maggie	AP
2	Shoes	500	Shopping	01-05-2023	Bought a New S...	Bhagyshri Bhosale
3	Bought some Gro...	2000	Food	30-04-2023	Grocery For Home	Bhagyshri Bhosale
4	Cloth Shopping	1000	Shopping	05-06-2023	Purchased new c...	Shivani Shinde
5	Shopping New S...	700	Shopping	15-06-2023	Buy new Shoes f...	AP
6	Buy New Clothes	2000	Shopping	19-06-2023	Bought some ne...	Yogita Mane
7	Street Food	400	Food	19-06-2023	Ate Street food at...	Yogita Mane
*						

CONCLUSION & SUGGESTIONS

- In our project entitled "Income and Expense management system " we are tried our best to fulfil the requirements of any person or organisation for managing or recording their expenses.
- our application can be used by any local business and any house wife etc.
- The project being simple and flexible is running successfully. The main advantage of our project is that it's simplicity attracts a lot of user .It can be run by novice user.
- Also keeping a daily track of your expenses not only helps you save money but also helps you set and achieve financial goals for the future.
- The application will be free, open- source software that can be used for managing personal or organizational finances.

Future Enhancement

- **Mobile app:** Developing a mobile app for the system would make it more accessible to users who need to manage their expenses on-the-go.
- **AI and automation:** Artificial intelligence and automation could be used to streamline data entry and categorization, as well as to provide insights into spending patterns and potential cost savings.
- **Data visualization:** Adding interactive data visualization features would allow users to easily identify trends and patterns in their expenses.
- **Security:** Enhancements to security measures, such as two-factor authentication or data encryption, would ensure that user data is protected.
- **Collaboration:** Adding collaboration features, such as shared expense tracking or approval workflows, would make the system more useful for teams or families who need to manage expenses together.

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