

# SYSTEM ANALYSIS & DESIGN OF



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## **Section 1**

## **1. Introduction**

The Spendwise Tracker is a budget management app designed to help users keep track of their expenses and achieve their financial goals. With the increasing need to save money and manage finances effectively, the app provides a user-friendly platform to track expenses and make informed financial decisions. It eliminates the need for users to manually record their expenses on paper or with a calculator, allowing them to keep all their financial data in one place.

The app's main objective is to help users achieve financial stability and independence by providing them with a comprehensive view of their finances. It offers various features such as tracking impulse purchases, notifications for upcoming expenses, and keeping records of past transactions. Users can also set financial goals and the app will provide suggestions on how to achieve them.

With the smart tally book feature, the app automatically calculates expenditures and displays how much is left for spending from the user's income, eliminating the need for manual calculations. Additionally, the app reads SMS messages to keep track of expenses, providing a hassle-free way of managing finances.

Overall, the Spendwise Tracker app provides a simple, yet effective way for users to manage their budget, save time, and make better financial decisions.

## **2. History leading to the project**

In the past, managing personal finances was a time-consuming task that often involved manually tracking expenses, balancing checkbooks, and using spreadsheets to monitor spending habits. As technology evolved, so did the tools available for managing finances. Financial software emerged, but many of these tools were complex and not user-friendly, making it challenging for individuals to effectively manage their finances.

The increasing reliance on digital transactions and the growth of the gig economy also led to more complex financial situations for individuals. Many people found themselves juggling multiple income streams and struggling to stay on top of their expenses. The need for a simple, easy-to-use solution that catered to the needs of a wider audience became apparent.

With the widespread adoption of smartphones and the emergence of mobile apps, it became possible to develop personal finance management tools that could be easily accessed anytime, anywhere. There was a growing demand for an all-in-one budget management app that could help users manage their expenses and achieve financial goals.

In response to this demand, the Spendwise Tracker app was proposed as a comprehensive and user-friendly solution for budget management. The app aimed to streamline the process of tracking expenses, setting financial goals, and making informed financial decisions. By simplifying personal finance management, the Spendwise Tracker app aimed to empower users to achieve financial stability and independence.

The project request for the Spendwise Tracker app was initiated based on the market demand for an accessible, feature-rich, and user-friendly budget management tool that could cater to the evolving financial needs of users in a digital age. The app was designed to leverage the convenience of smartphones and mobile apps to deliver a seamless and effective personal finance management experience.

### **3. Problems and Opportunities**

The **problem** that the Spendwise Tracker app aims to address is the difficulty and inefficiency in managing personal finances, tracking expenses, and achieving financial goals. Many people struggle to stay on top of their expenses, juggle multiple income streams, and make informed financial decisions. Traditional

methods of managing finances, such as manual tracking and complex financial software, can be time-consuming and challenging to use, especially for those who are not financially savvy.

Additionally, the rapid growth of digital transactions and the increasing complexity of personal financial situations make it more challenging for individuals to maintain control over their spending habits and achieve financial stability. As a result, there is a need for a simple, accessible, and user-friendly solution that allows users to effectively manage their budget, track expenses, and set and achieve financial goals.

The Spendwise Tracker app presents several **opportunities** to improve personal financial management and help users achieve financial stability:

- **Simplification of expense tracking:** By providing a user-friendly platform to track expenses, the app simplifies the process of managing finances and makes it accessible to a broader audience, including those with limited financial knowledge.
- **Comprehensive financial overview:** The app offers a comprehensive view of the user's finances, including expenses, incomes, goals, and account balances, allowing them to make better-informed financial decisions.
- **Financial goal setting and achievement:** Users can set financial goals within the app, which provides suggestions and guidance on how to achieve these goals, promoting financial independence and stability.
- **Automation and integration:** The app's ability to automatically read SMS messages for expense tracking and integration with financial institutions eliminates the need for manual data entry and ensures up-to-date information, saving time and reducing errors.

- **Customizable notifications and alerts:** Users can set up notifications and alerts based on their preferences, helping them stay on top of upcoming expenses, account balances, and goal progress.
- **Financial analysis and reporting:** The app's financial analysis and reporting features allow users to gain insights into their spending habits and identify areas for improvement, facilitating better financial decision-making.
- **Market demand:** With the increasing need for effective budget management and financial planning, the Spendwise Tracker app has the potential to attract a significant user base seeking a practical solution to their financial challenges.

By leveraging these opportunities, the Spendwise Tracker app can provide users with a valuable tool to improve their financial management skills, achieve their financial goals, and ultimately attain financial stability and independence.

#### 4. Project goal and Objectives

##### **Project Goal:**

The primary goal of the Spendwise Tracker project is to develop a user-friendly budget management app that helps users effectively track their expenses, manage their finances, and achieve their financial goals.

##### **Objectives:**

To accomplish this goal, the project aims to achieve the following objectives:

- **Create an intuitive user interface:** Design a clean and easy-to-navigate interface that allows users to quickly access different features and effectively manage their finances.

- **Develop robust financial management features:** Implement functionalities such as expense tracking, income management, financial goal setting, and account management to provide users with a comprehensive financial management solution.
- **Integrate with financial institutions:** Establish secure connections with various financial institutions to retrieve real-time account balance information and facilitate seamless financial data synchronization.
- **Automate expense tracking:** Implement automatic expense tracking through SMS message reading to minimize manual data entry and ensure accurate and up-to-date financial information.
- **Provide customizable notifications and alerts:** Allow users to set up personalized notifications and alerts based on their preferences, helping them stay informed about upcoming expenses, account balances, and goal progress.
- **Implement financial analysis and reporting:** Offer insightful financial reports and analysis to help users gain a better understanding of their spending habits and identify areas for improvement.
- **Ensure data security and privacy:** Implement strong security measures to protect users' financial data and maintain privacy.
- **Test and optimize app performance:** Conduct thorough testing to ensure the app's reliability, performance, and usability, and make necessary optimizations based on user feedback.

By achieving these objectives, the Spendwise Tracker project aims to provide users with an effective tool for managing their finances, ultimately helping them achieve financial stability and independence.

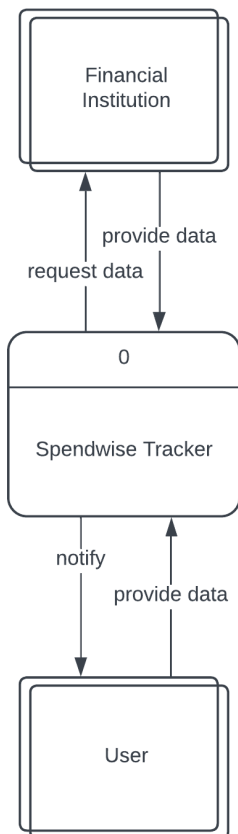


## **Section 2**

## 5. Product Description

The Spendwise Tracker is a budget management app designed to help users effectively manage their finances by tracking expenses, incomes, and financial goals. The app offers a user-friendly platform with various features such as account management, expense tracking, income management, goal setting, financial analysis and reporting, and integration with financial institutions. The app aims to simplify financial management, provide insightful data, and enable users to make informed financial decisions, ultimately achieving financial stability and independence.

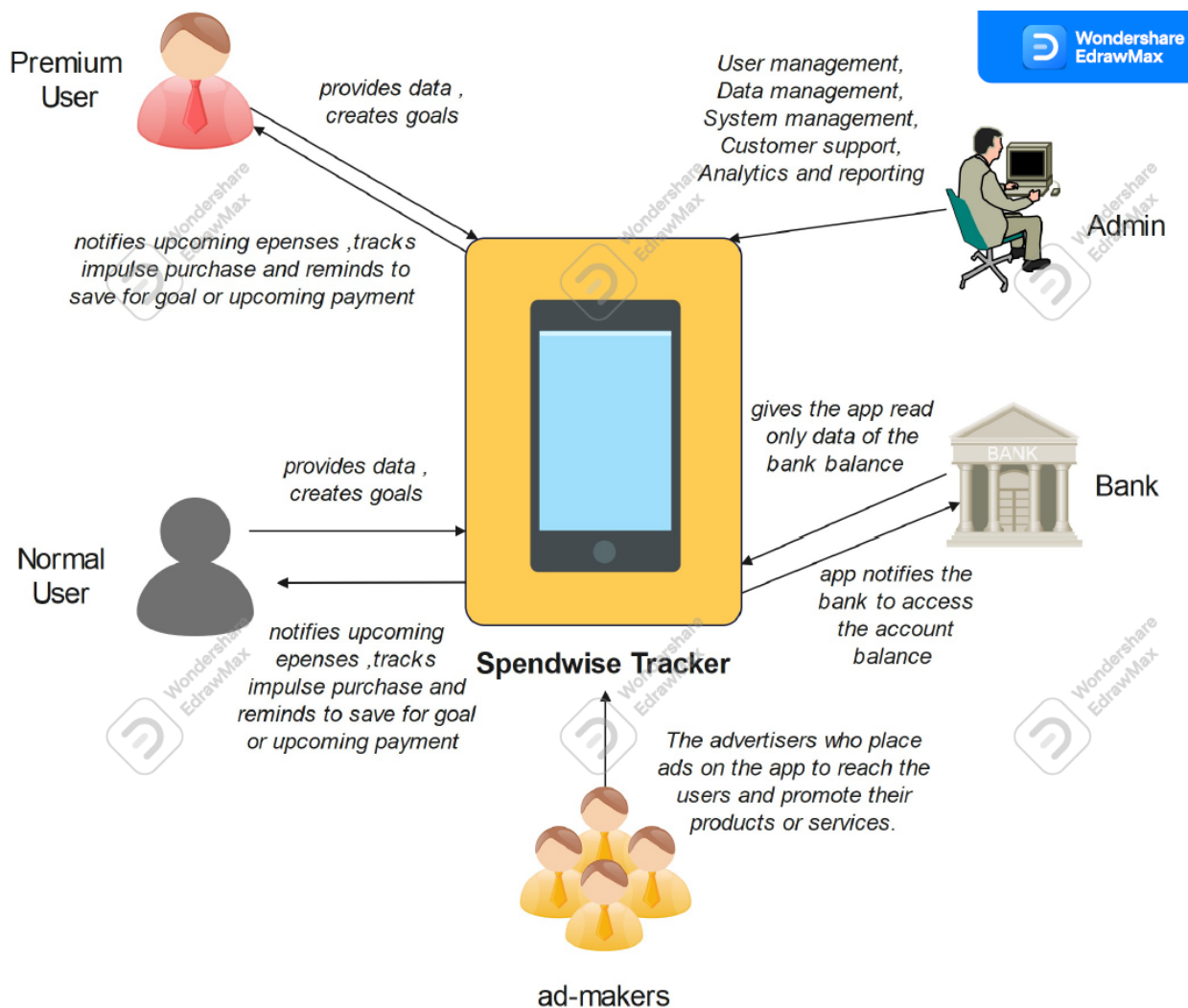
## 6. System Context Diagram



## 7. Hardware details with Rich Picture

The Spendwise Tracker app is designed to be compatible with various mobile devices such as smartphones and tablets. The hardware requirements for the app are as follows:

- A mobile device running Android or iOS operating system
- Minimum 2 GB of RAM
- Minimum 100 MB of free storage space
- An active internet connection for data synchronization and financial institution integration



## 8. Key Technical Features of the software

The Spendwise Tracker app incorporates several technical features to provide users with a comprehensive financial management solution. Some of the key technical features include:

- **Cross-platform compatibility:** The app is developed to be compatible with both Android and iOS operating systems, ensuring a wider user base.
- **Secure data synchronization:** The app uses secure encryption methods to synchronize financial data between the user's device and the app's servers, ensuring data integrity and security.
- **Financial institution integration:** The app can securely connect to various financial institutions' APIs to retrieve real-time account balance information and facilitate seamless financial data synchronization.
- **Automatic expense tracking:** The app utilizes SMS message reading functionality to automatically track and categorize expenses, minimizing manual data entry.
- **Customizable notifications and alerts:** Users can set up personalized notifications and alerts based on their preferences to stay informed about upcoming expenses, account balances, and goal progress.
- **Financial analysis and reporting:** The app provides insightful financial reports and analysis to help users gain a better understanding of their spending habits and identify areas for improvement.
- **Data security and privacy:** The app implements strong security measures to protect users' financial data and maintain privacy.
- **Continuous updates and improvements:** The app is regularly updated to fix bugs, improve performance, and incorporate new features based on user feedback.

## **Section 3**

## 9. Information Gathering Methods

For Spendwise Tracker, the following methods were used to collect data:

- **Interviewing:** Interviews are one of the most effective information gathering methods. They involve a face-to-face or virtual conversation between the interviewer and the interviewee. During interviews, the interviewer asks open-ended questions to the interviewee to gather information related to the project. The interviewer can also probe deeper into a particular area if more information is needed. The activities performed for this method include identifying potential interviewees, scheduling the interviews, conducting the interviews, and documenting the information obtained.

The following steps were maintained for a successful interview:

- o There was research done on other budget planning methods and apps through the old newspaper articles, website, applications, fliers as well as social media.
- o From the research, it was possible to gather around the interview objectives, alongside what opinions are needed from the interviewee.
- o It is important to paint the full picture so the interview was set up for people from different professions.
  - Teachers
  - Businessmen
  - Students
- o After deciding on the interviewee, an email was sent to them in order to prepare them for the interview.
- o The interview questions were structured in Diamond which combined the strength of both the Pyramid and Funnel structures. Initially, the interview began with closed ended questions, as it progressed more, open ended questions were asked to help analyze the needs and desires. Lastly, closed ended questions were used to finish the interviewing.

- o Concluding the interview, the interviewee was asked to provide their feedback and suggestions. Meetings were set up for a follow up interview.
- o Following this interview, it was possible to examine the general issues, the requirements of the system and the HCI concerns.
- o As soon as the interview was done, a full detailed report was written and reviewed to conclude a successful interview.

Some of the interview questions asked were of the following types:

1. Can you tell us about your current budget managing techniques?
  2. What specific features and functionalities do you believe are essential in a budget expense app?
  3. In your opinion, what are the most common pain points or frustrations you face when managing your expenses?
  4. Can you describe any strategies or techniques you think would encourage users to actively engage with the app and maintain consistent usage over time?
  5. How do you stay updated with the latest trends and advancements in budgeting and financial technology?
- **Surveys:** Surveys involve collecting data from a large number of people using a set of questions. This method was used to gather information from potential users about their attitudes, beliefs, behaviors and characteristics.  
Surveys helped to get an idea about the public opinions regarding the automation of the system.
    - o The surveys consisted of both closed ended and open-ended questions. The open-ended questions were used to get an in-depth knowledge on a topic. The closed ended questions were used to get precise answers on specific topics.
    - o The surveys were kept simple, short and were addressed to those who were knowledgeable.

- o The surveys maintained appropriate reading levels of the respondents.
- o The surveys had maintained consistency of scales.
- o Nominal scales were used to classify things and interval scales were used with equal intervals.
- o To avoid leniency, the “average” category was moved to the right of center.
- o To avoid central tendency, the differences were made smaller at the two ends, and the scales had more points.
- o To avoid the halo effect, one trait was placed into several items on each page.
- o The survey was made easy to navigate through and mark answers.
- o The survey was posted on an online forum to get responses from mass people.
- o The results from the surveys were stored digitally and were used to compare and get an overview of the system.

Some of the questions asked were of the following types:

- Open-ended questions:
  1. How would you describe your current budgeting and expense tracking methods?
  2. What are the main challenges you face in managing your expenses effectively?
  3. Can you provide any specific suggestions or features you would like to see in a budget expense app?
  4. How do you envision a budget expense app improving your financial management practices?
  5. Is there any additional feedback or comments you would like to share about budgeting and expense tracking apps?
- Close-ended questions:
  1. Have you ever used a budget expense app before?
    - a. Yes
    - b. No



2. On a scale of 1 to 5, how satisfied are you with your current budgeting methods?
  - a. 1 - Not satisfied at all
  - b. 2 - Somewhat dissatisfied
  - c. 3 - Neutral
  - d. 4 - Somewhat satisfied
  - e. 5 - Very satisfied
3. Which platform would you prefer for a budget expense app?
  - a. Mobile (iOS/Android)
  - b. Web-based (Desktop)
  - c. Both mobile and web-based
4. How important is it for you to have real-time expense tracking and notifications in a budget expense app?
  - a. Very important
  - b. Important
  - c. Neutral
  - d. Not important
  - e. Not at all important
5. Would you be willing to pay for a premium version of a budget expense app with additional features?
  - a. Yes
  - b. No

- **Observation:** Observation involves directly observing people, processes, or systems in their natural environment. This method is particularly useful when trying to understand how people interact with a particular system or process.

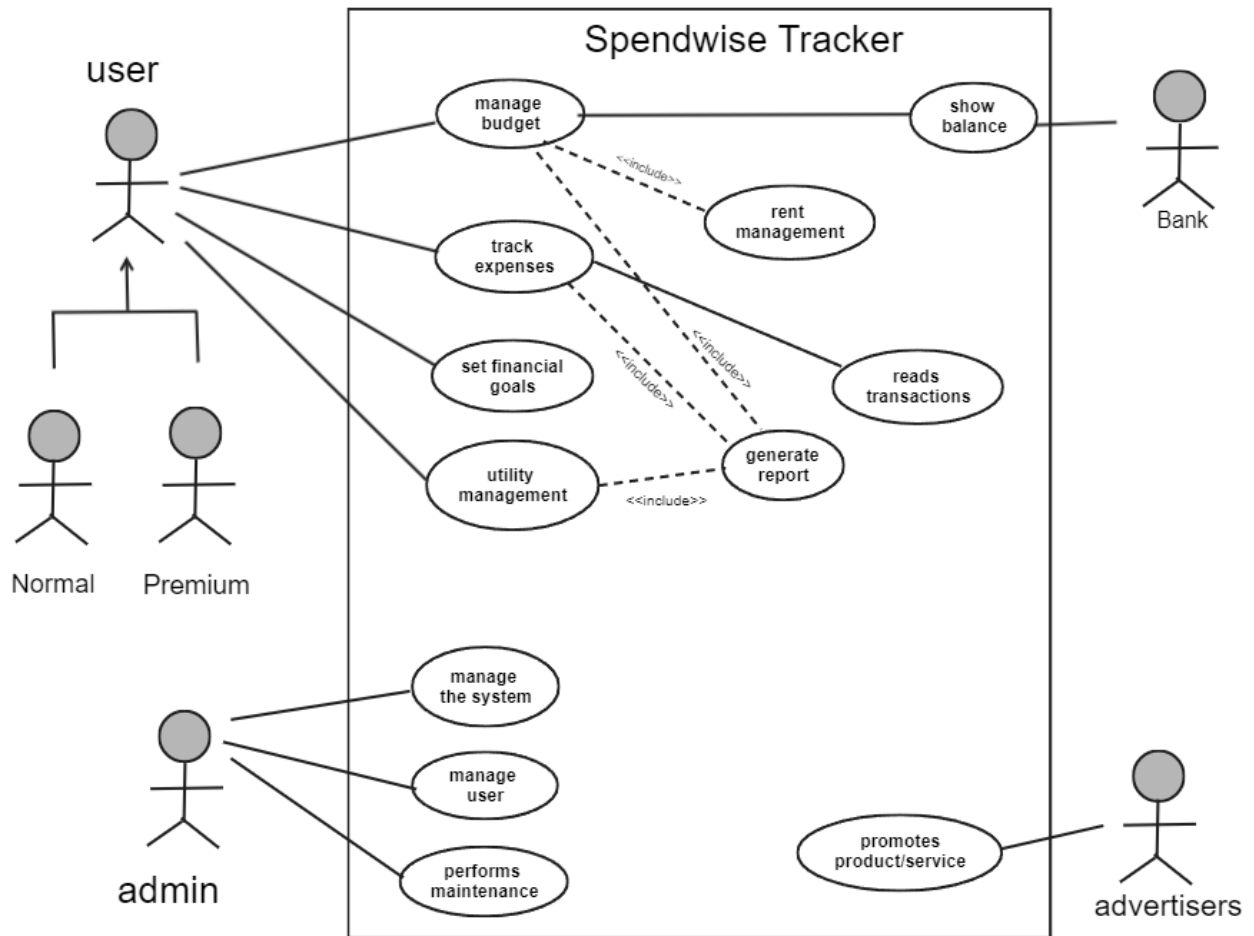
The activities performed for this method include

- o Identifying the system or process to be observed
- o Selecting the observation method (e.g., structured or unstructured)
- o Observing the system or process
- o Documenting the information obtained

## **10. Major functionalities of the system**

- Register and login
- Manage accounts
- Track expenses
- Manage incomes
- Set and track financial goals
- Categorize expenses and incomes
- Generate notifications and alerts
- Integrate with financial institutions
- Financial analysis and reporting

## 11. Use Case Diagram



## 12. Normal Scenarios

### Setting Financial Goals:

<b>Use case name: Setting Financial Goals</b>	<b>UniqueID: SC001</b>
<b>Area: Budget Management</b>	
<b>Actor(s): User</b>	
<b>Stakeholder: User, Customer Support</b>	
<b>Level: Blue</b>	
<b>Description: This use case involves the user setting financial goals within the app and tracking progress toward those goals.</b>	
<b>Triggering Event: User clicks “Add Goal” button</b>	
<b>Trigger type: External</b>	

<b>Steps Performed:</b>	<b>Information for Steps:</b>
<b>1. User opens the app and navigates to the "Goals" tab.</b>	<b>Add Financial Goal Form</b>
<b>2. User selects "Add Goal" and enters the name of the goal, amount to be saved, and target date.</b>	<b>userID,goalID,goalName,goalAmount,goalStartDate,goalEndDate</b>
<b>3. User saves the goal, and the app creates a progress tracker for the goal.</b>	<b>Track Financial Goals Page</b>
<b>4. User sets up automatic savings or manually transfers funds to the goal as desired.</b>	<b>goalType,goalID</b>
<b>5. The app tracks progress toward the goal and provides notifications and reminders to help the user stay on track.</b>	<b>Track Financial Goals Page, Notification</b>

### Tracking Expenses:

<b>Use case name: Tracking Expenses</b>	<b>UniqueID: SC002</b>
<b>Area: Budget Management</b>	
<b>Actor(s): User</b>	
<b>Stakeholder: User, Customer Support</b>	
<b>Level: Blue</b>	
<b>Description: This use case involves the user tracking expenses within the app and reviewing spending patterns to identify areas for improvement.</b>	
<b>Triggering Event: User clicks on “Add Expense” button</b>	
<b>Trigger type: External</b>	

<b>Steps Performed:</b>	<b>Information for Steps:</b>
<b>1. User opens the app and navigates to the "Expenses" tab.</b>	<b>Add Expense Form</b>
<b>2. User selects "Add Expense" and enters the name of the expense, amount spent, and category.</b>	<b>expenseID, expenseName, expenseAmount, categoryID</b>
<b>3. User saves the expense, and the app adds it to the expense tracker.</b>	<b>Track Expense Page</b>
<b>4. The app automatically categorizes the expense based on the user's input or past expenses.</b>	<b>Expense List Page</b>
<b>5. Users review the expense tracker periodically to monitor spending patterns and identify areas for improvement.</b>	<b>Expense Analysis Graphs Page</b>

<b>6. The app provides notifications and alerts to help the user stay within their budget and reduce unnecessary spending.</b>	<b>Notification</b>
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### 13. Alternate Scenarios

#### Setting Financial Goals:

##### **Alternative Scenario:**

- 1. User opens the app and navigates to the "Goals" tab.**
  - 2. User selects "Add Goal" and enters the name of the goal, amount to be saved, and target date.**
  - 3. User saves the goal, but the app encounters an error and the goal is not saved properly.**
  - 4. User tries to re-enter the goal information, but the app crashes.**
  - 5. User contacts customer support and receives assistance in resolving the issue.**
  - 6. The user is able to successfully create the goal and begin working toward it with the help of the app.**

**Preconditions: User is logged in and can access financial goal page**

**Postconditions: User has successfully created a financial goal with the help of customer support.**

**Assumptions: User has verified userID, password, stable internet connection and a browser/mobile to load the software. User is willing to contact customer support for assistance.**

**Success Guarantee: User is able to create a financial goal and track progress toward that goal.**

**Minimum Guarantee: User is able to create a financial goal, but may experience difficulty in tracking progress**

**Requirement Met:**

**The app allowed users to set financial goals and track progress toward those goals.**

**Outstanding Issues: Can the user later modify the financial goals that have already been set?**

## Tracking Expenses:

### Alternative Scenario:

1. User opens the app and navigates to the "Expenses" tab.
2. User selects "Add Expense" and enters the name of the expense, amount spent, and category.
3. User saves the expense, but the app encounters an error and the expense is not saved properly.
4. User tries to re-enter the expense information, but the app crashes.
5. User contacts customer support and receives assistance in resolving the issue.
6. The user is able to successfully enter the expense and continue tracking their spending with the help of the app.

**Preconditions:** User is logged in and can access expense page

**Postconditions:** User has successfully entered an expense with the help of customer support.

**Assumptions:** User has verified userID, password, stable internet connection and a browser/mobile to load the software. User is willing to contact customer support for assistance.

**Success Guarantee:** User is able to enter an expense and track spending within the app.

**Minimum Guarantee:** User is able to enter an expense, but may experience difficulty in tracking spending.

**Requirement Met:** The app allows users to track expenses and monitor spending patterns.

**Outstanding Issues:** Can the user modify the expense once it has been created?

## 14. Functional Requirements

- **User Registration and Login:** Users should be able to create an account and log in to access the app's features.
- **Expense Tracking:** The app should allow users to record and categorize their expenses, such as food, entertainment, bills, etc.
- **Income Tracking:** The app should allow users to track their income sources and amounts.
- **Budget Creation:** Users should be able to create a budget plan for their expenses and income.
- **Notifications:** The app should notify users of upcoming bills, payment deadlines, or overspending.
- **Goal Setting:** The app should allow users to set financial goals, such as saving for a vacation or paying off debt.
- **Reporting:** The app should provide reports and visualizations of the user's spending habits and progress towards financial goals.
- **Data Import and Export:** The app should allow users to import financial data from external sources, such as bank statements, and export data for analysis in other software.
- **Security:** The app should have security measures in place to protect users' financial data and prevent unauthorized access.

## 15. Non-Functional Requirements

- **Performance:**
  - System will respond quickly and efficiently to user interactions and not be slow or sluggish.
  - commands timely.
  - System will support different devices.
  - System will respond to user requests timely.
- **Usability:**
  - The software will have a simple and easy to use interface.

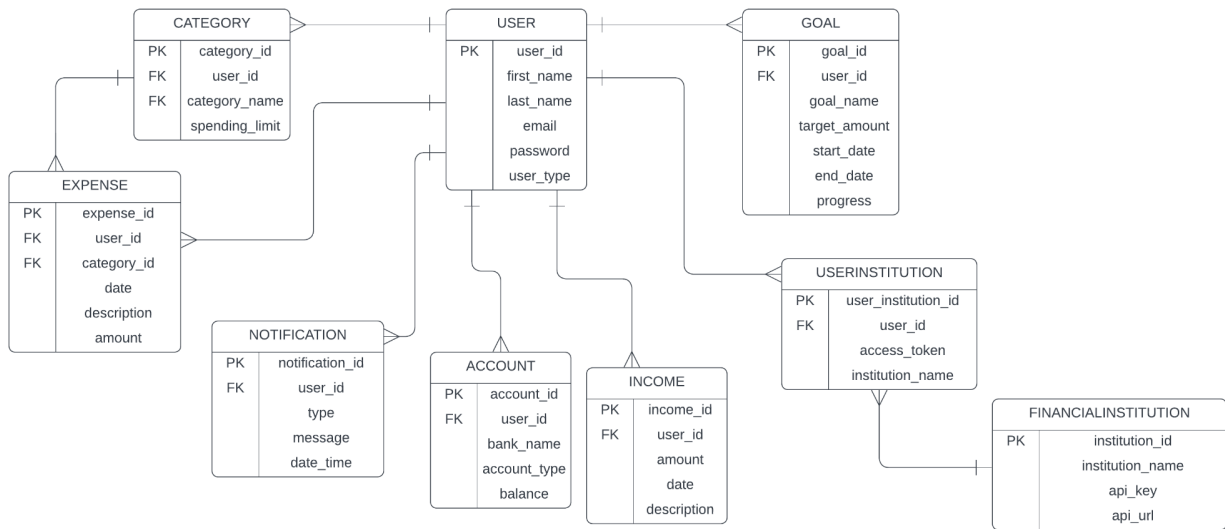
- Interface will contain easy to follow instructions for better user experience.
- There would be further rules and guidelines uploaded on the software to help the users.
- Users can ask for assistance or help through the application.
- **Reliability:**
  - System will have backup to avoid data loss.
  - System will be reliable to use in any environment.
  - The app should be stable and reliable.
  - System will have minimal crashes.
- **Security:**
  - System will maintain industry-standard encryption to avoid any security breaches to protect users' financial data, such as bank account numbers and credit card details.
  - or data leakage.
  - Users will be verified by the system before allowing any access to the data.
  - System will maintain user privacy, security and data.
- **Compatibility:**
  - Software will support different languages and currencies.
  - Software will run on any environment, device or operating system.
  - Software will have no problem interacting with different devices of different environments.
- **Maintainability:**
  - System will allow easy modification, deletion or addition of data.
  - No updates, uninstallation or reinstallation of the software will affect the data stored.

- System will be documented properly to provide easy maintenance.

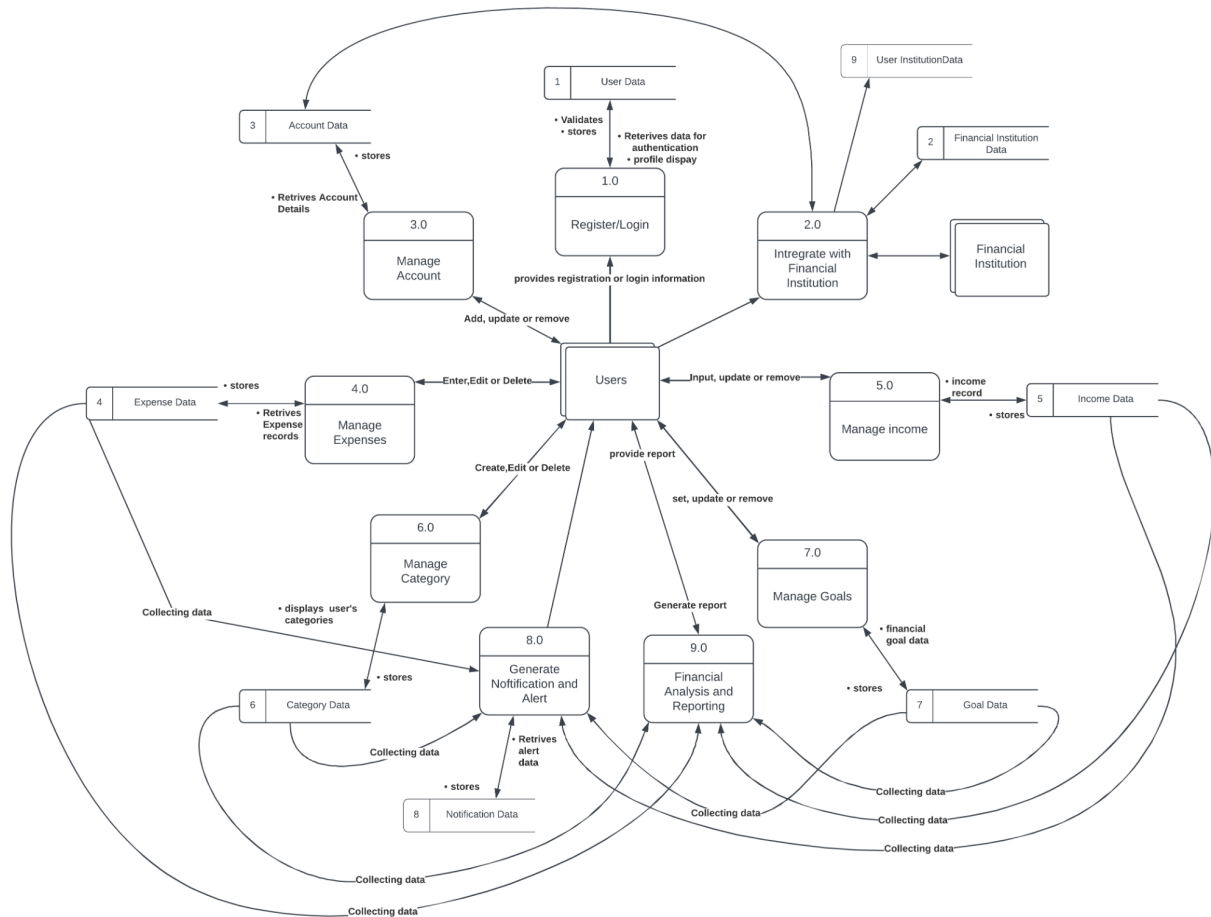
## **Section 4**



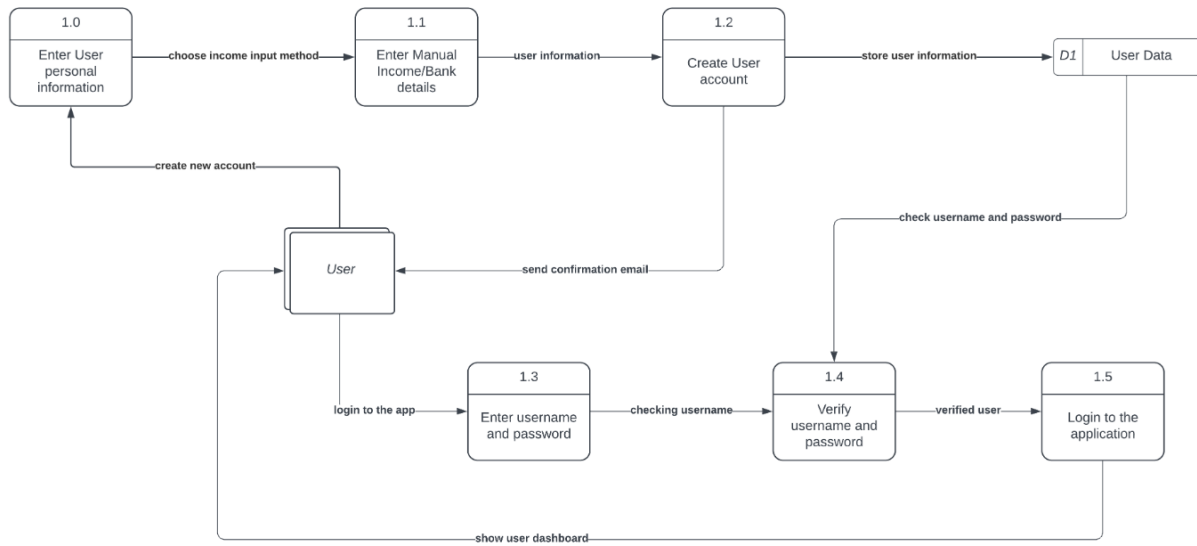
## 16. Entity Relationship Diagram



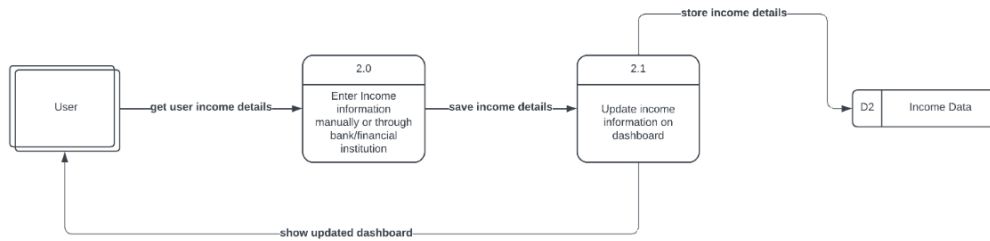
## 17. Logical Data Flow Diagrams



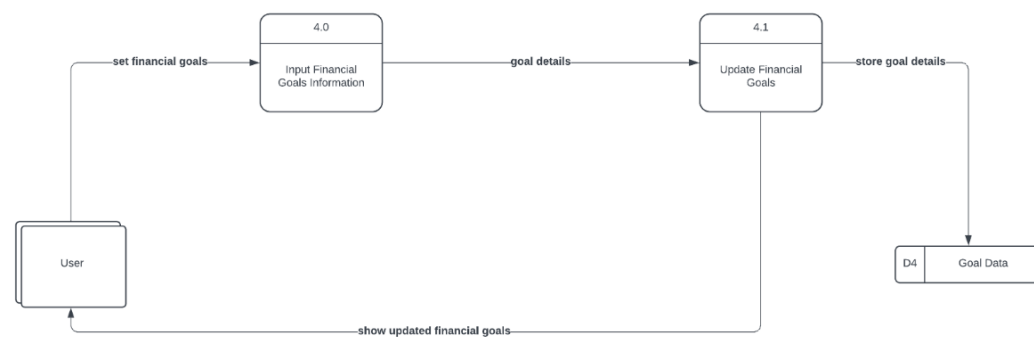
## Register/Login User System



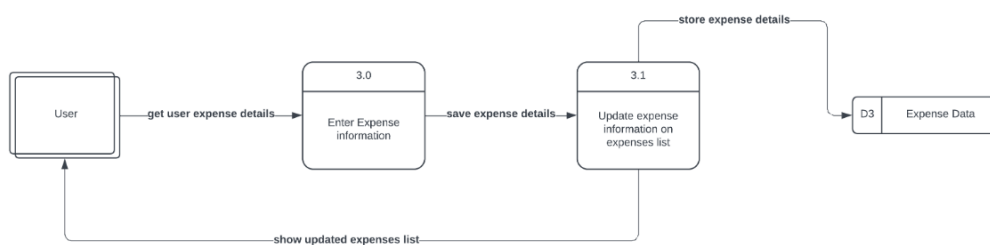
## Income User System



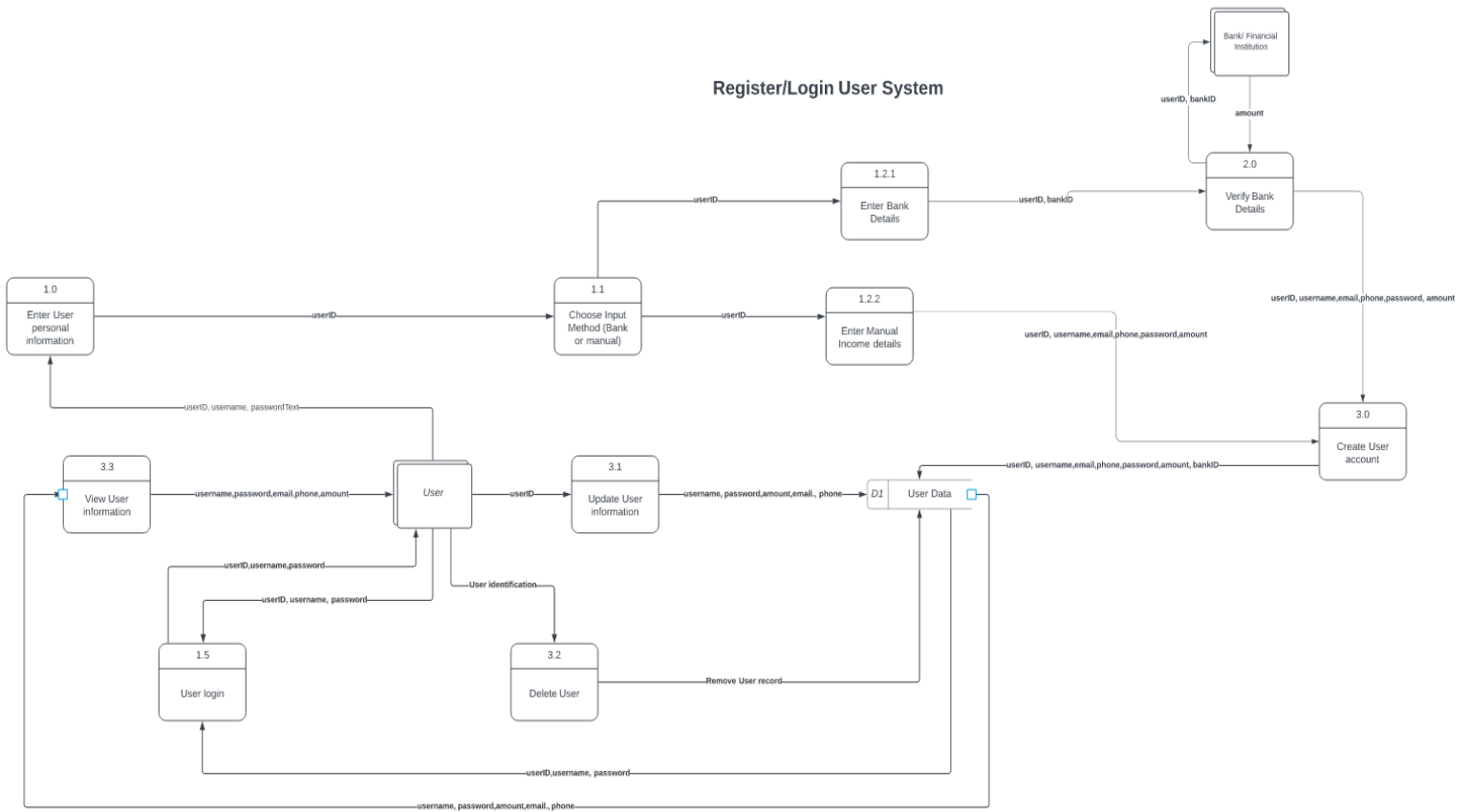
## Financial Goals User System



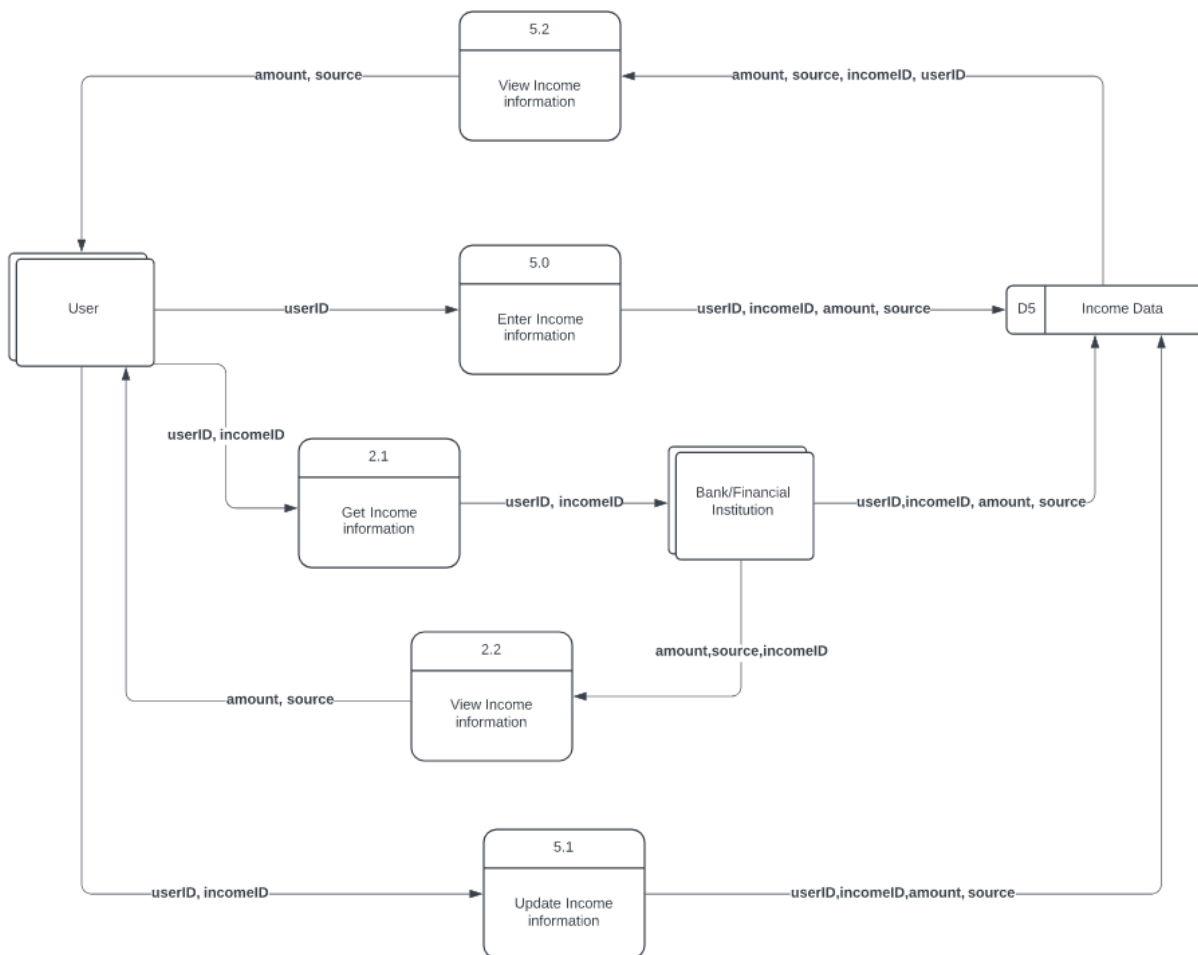
## Expense User System



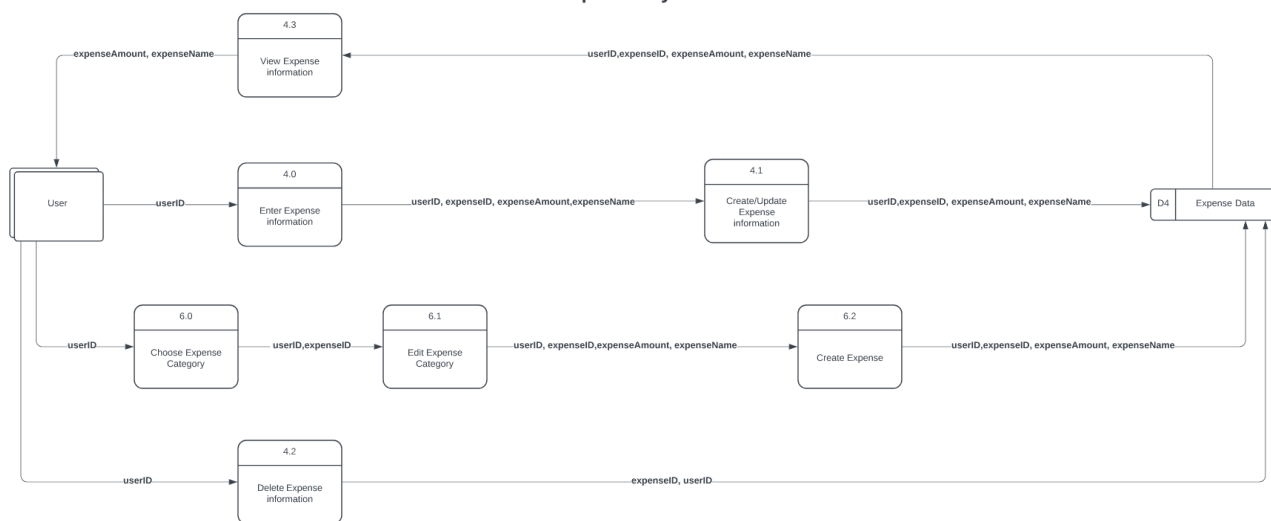
## 18. Physical Data Flow Diagrams



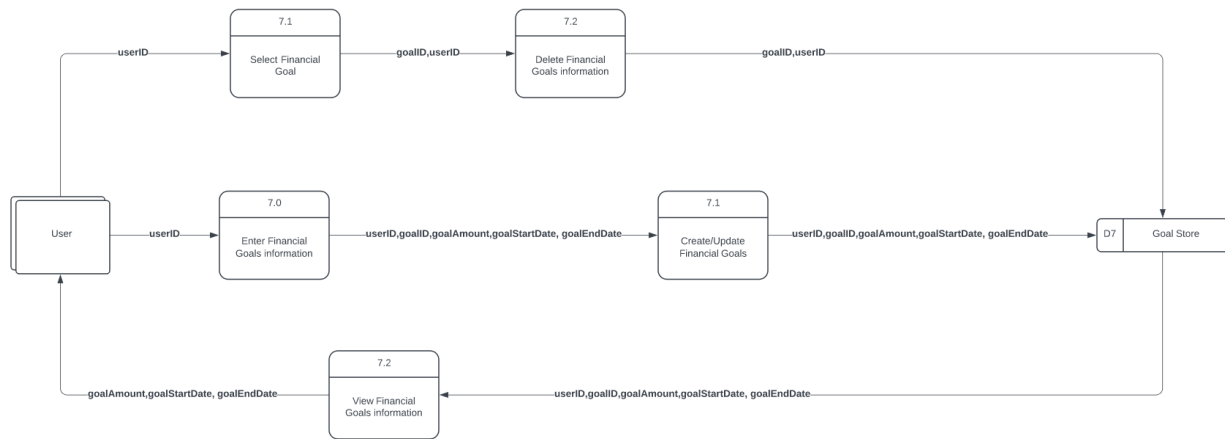
## User Income System



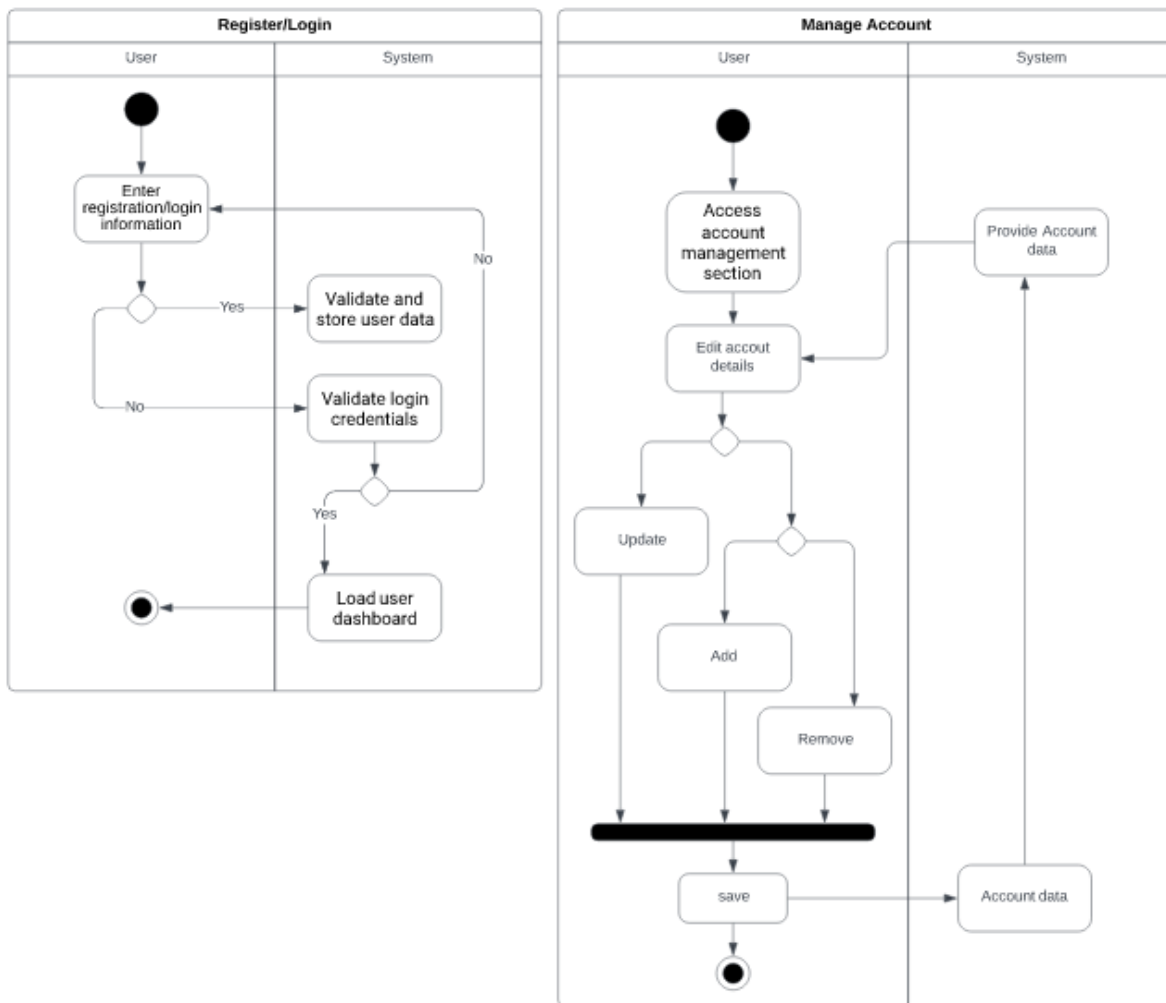
## User Expense System

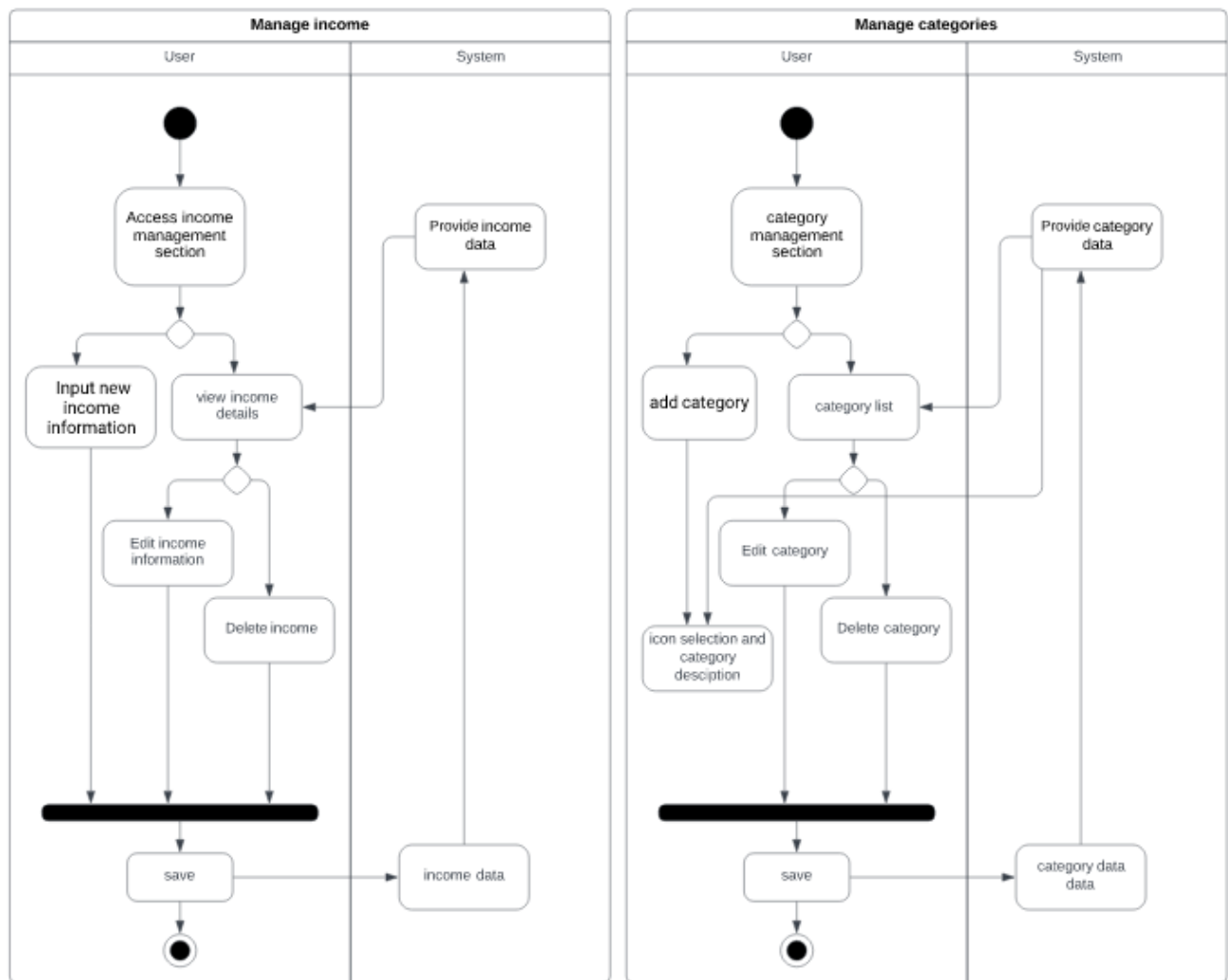


## User Financial Goals System

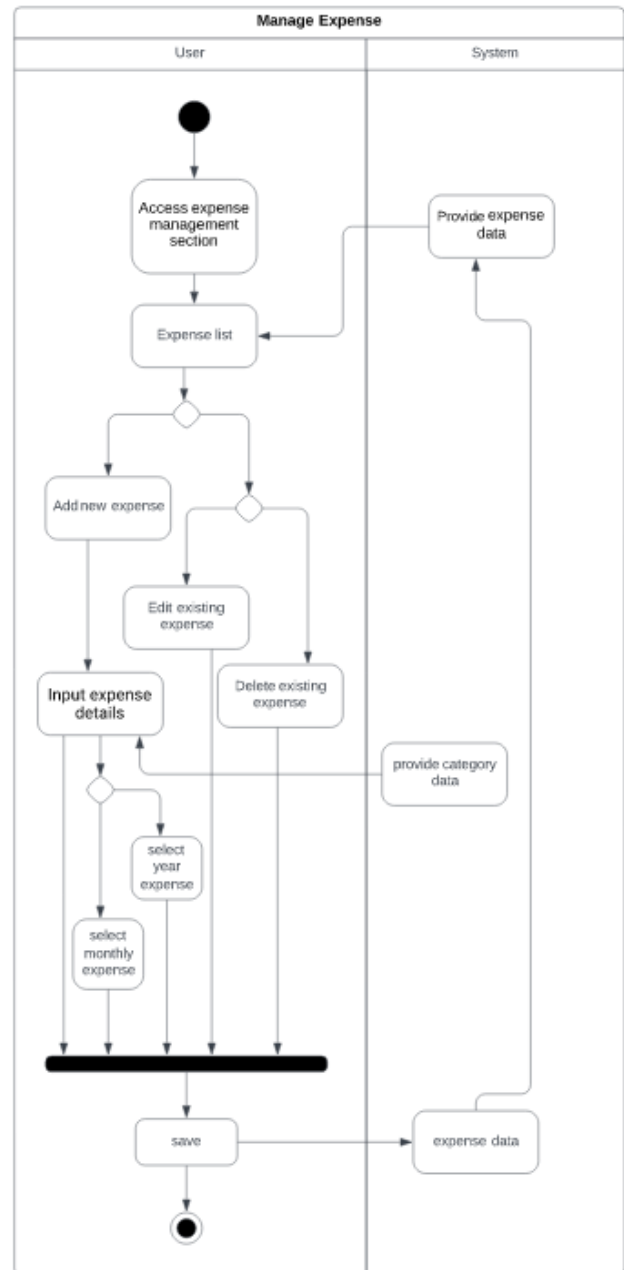
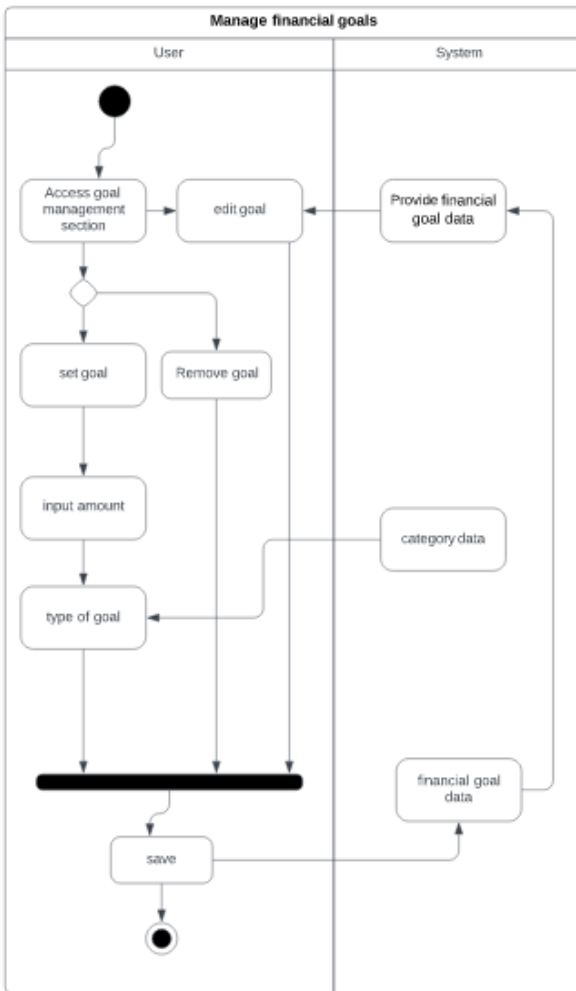


## 19. Activity Diagrams

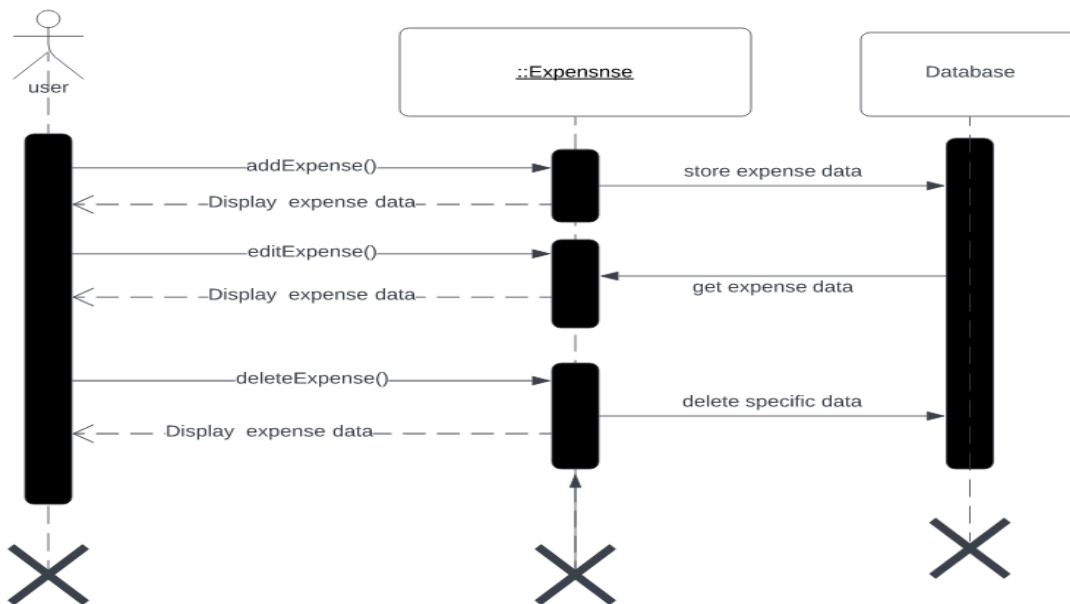
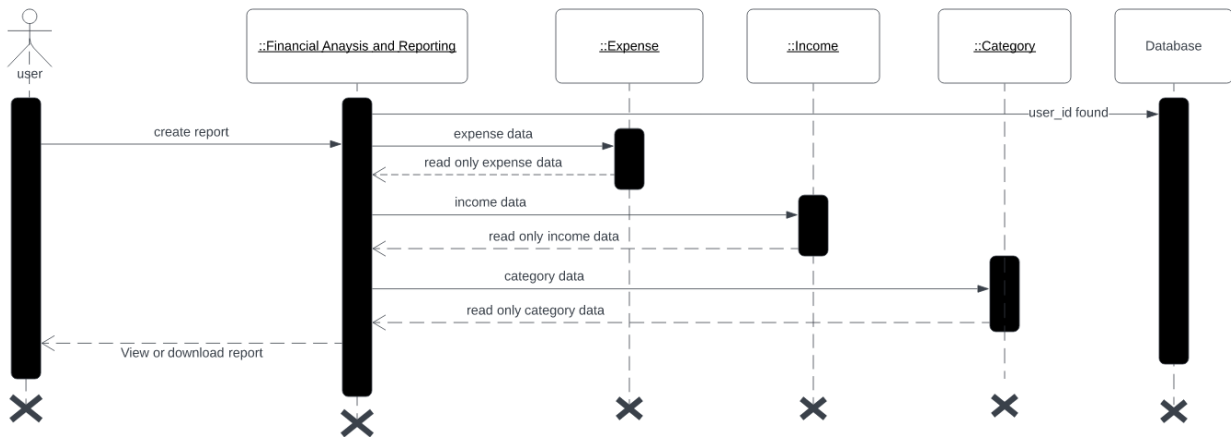


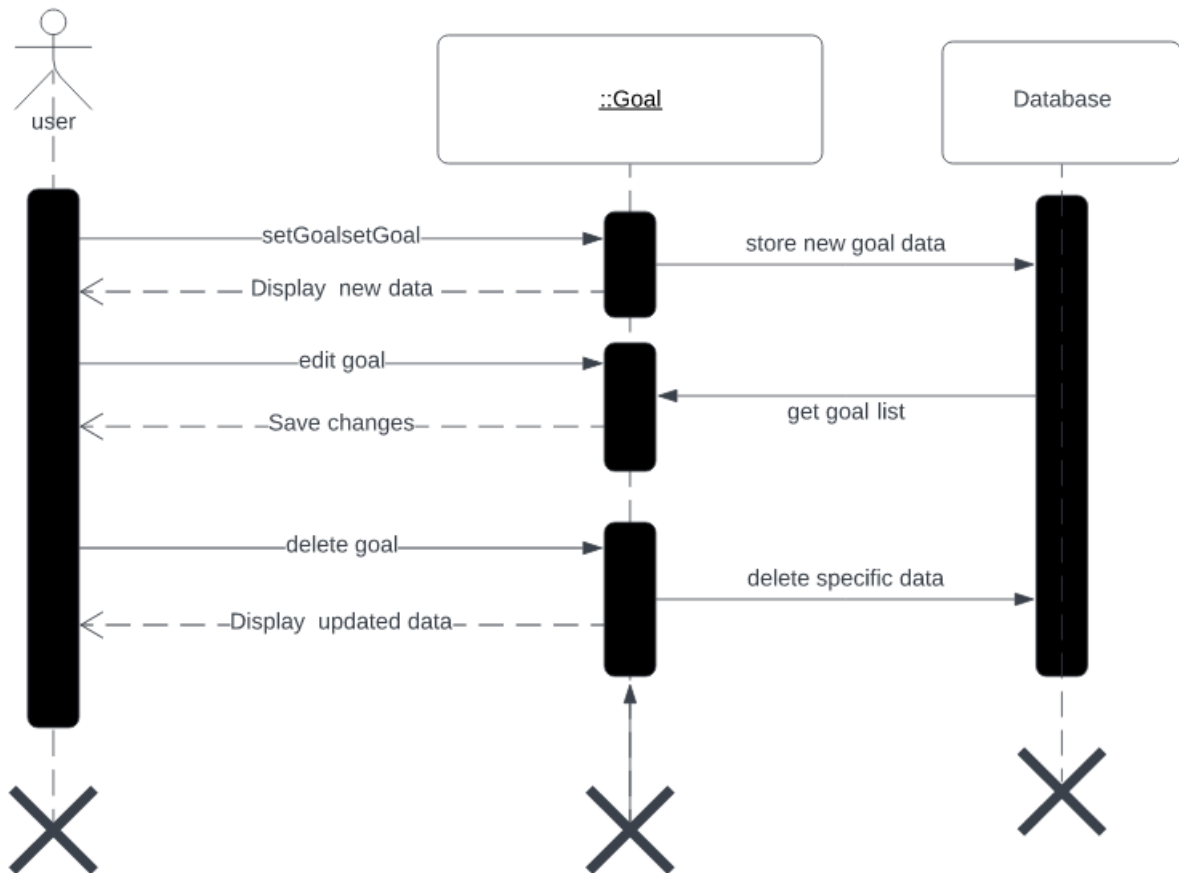
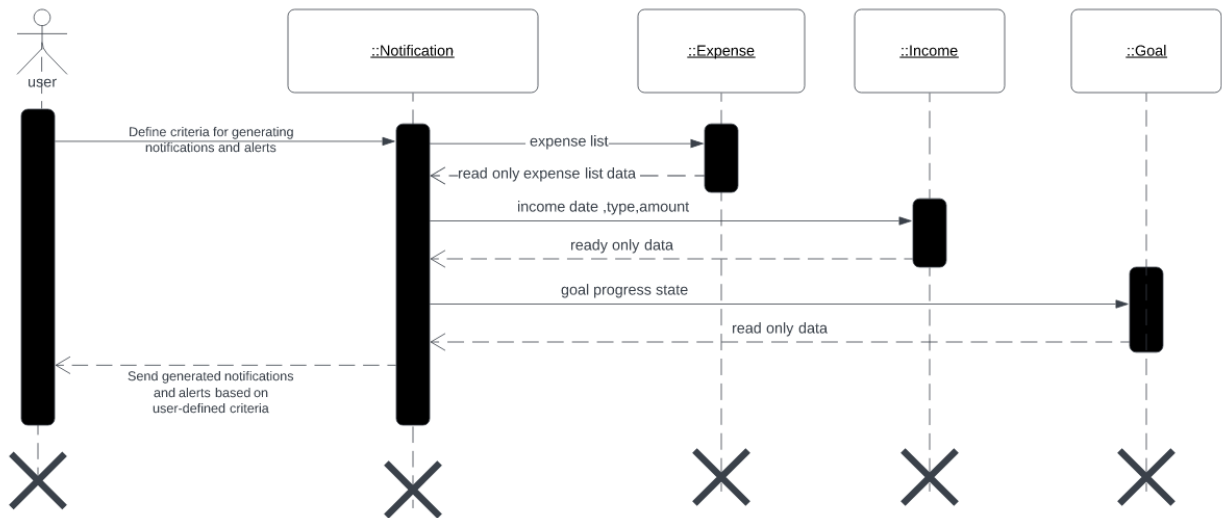


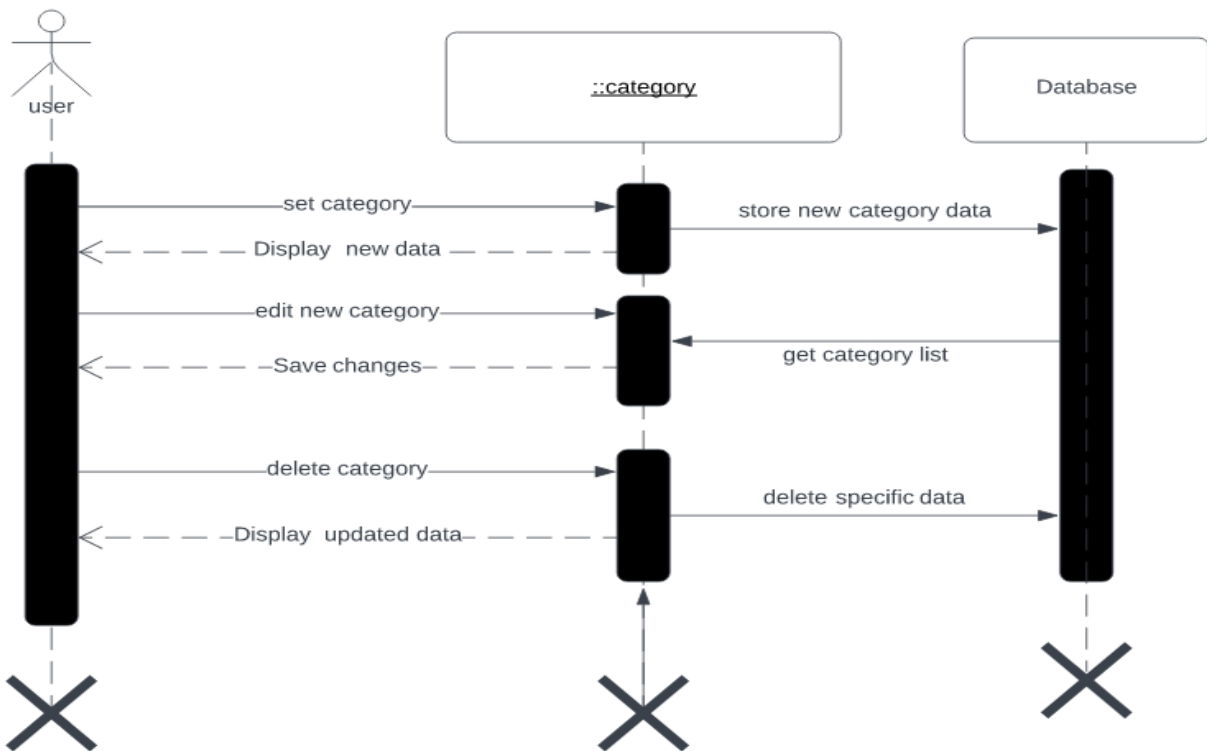
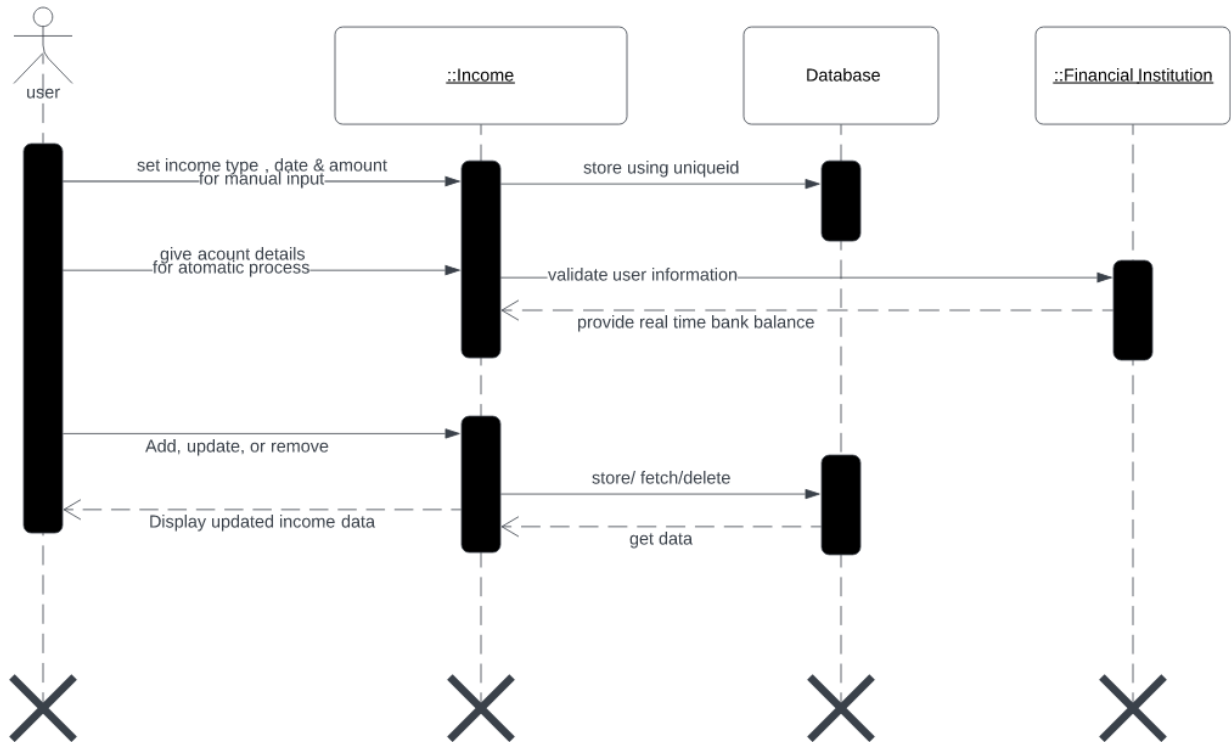




## 20. Sequence Diagrams

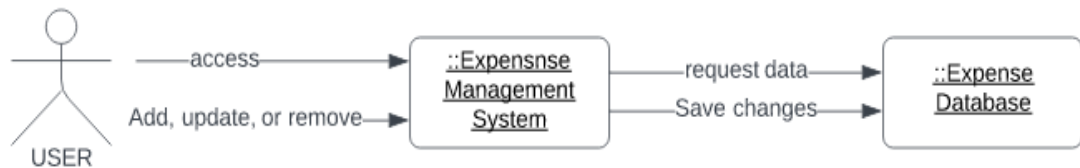




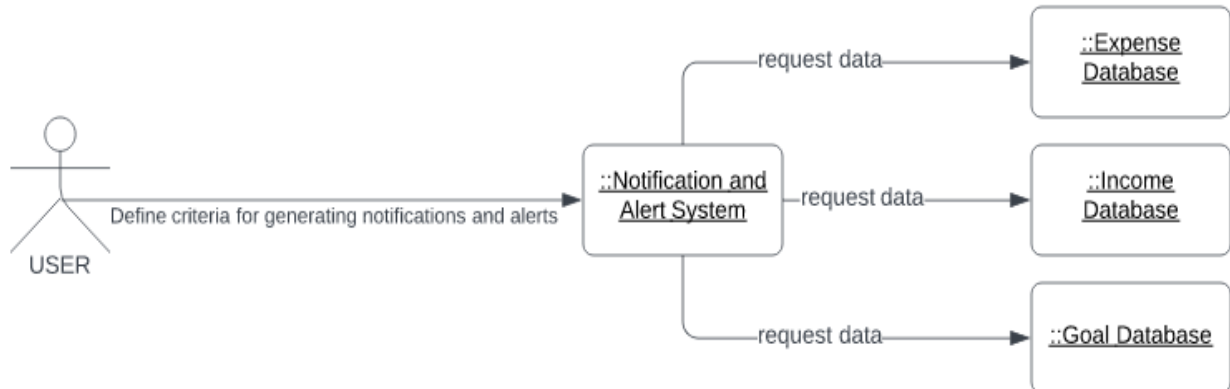


## 21. Communication Diagrams

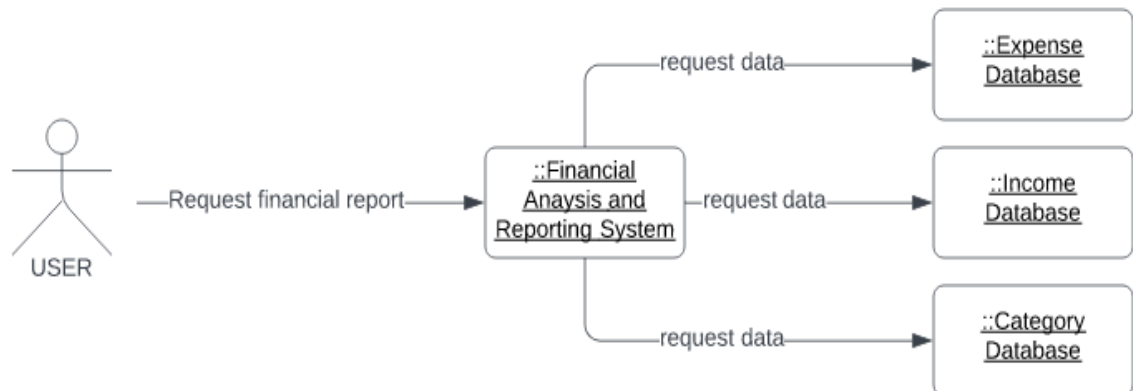
### Expense system



### Notification and Alert system



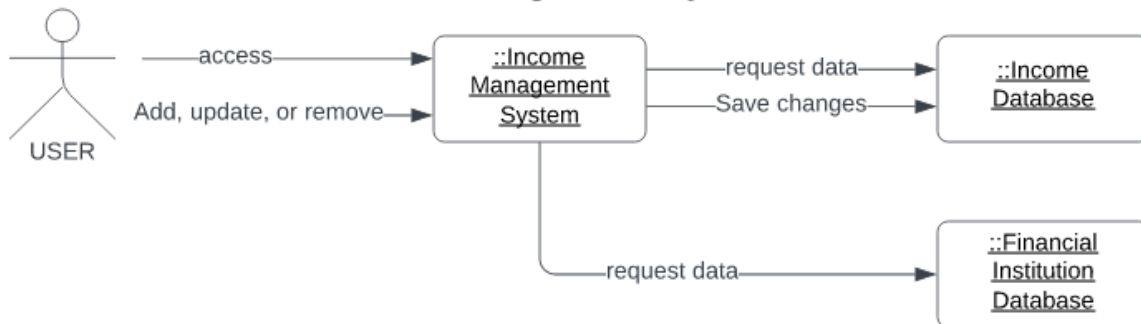
### Financial Analysis & Reporting system



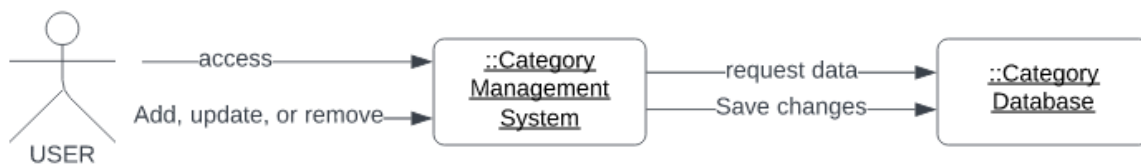
### Goal Management System



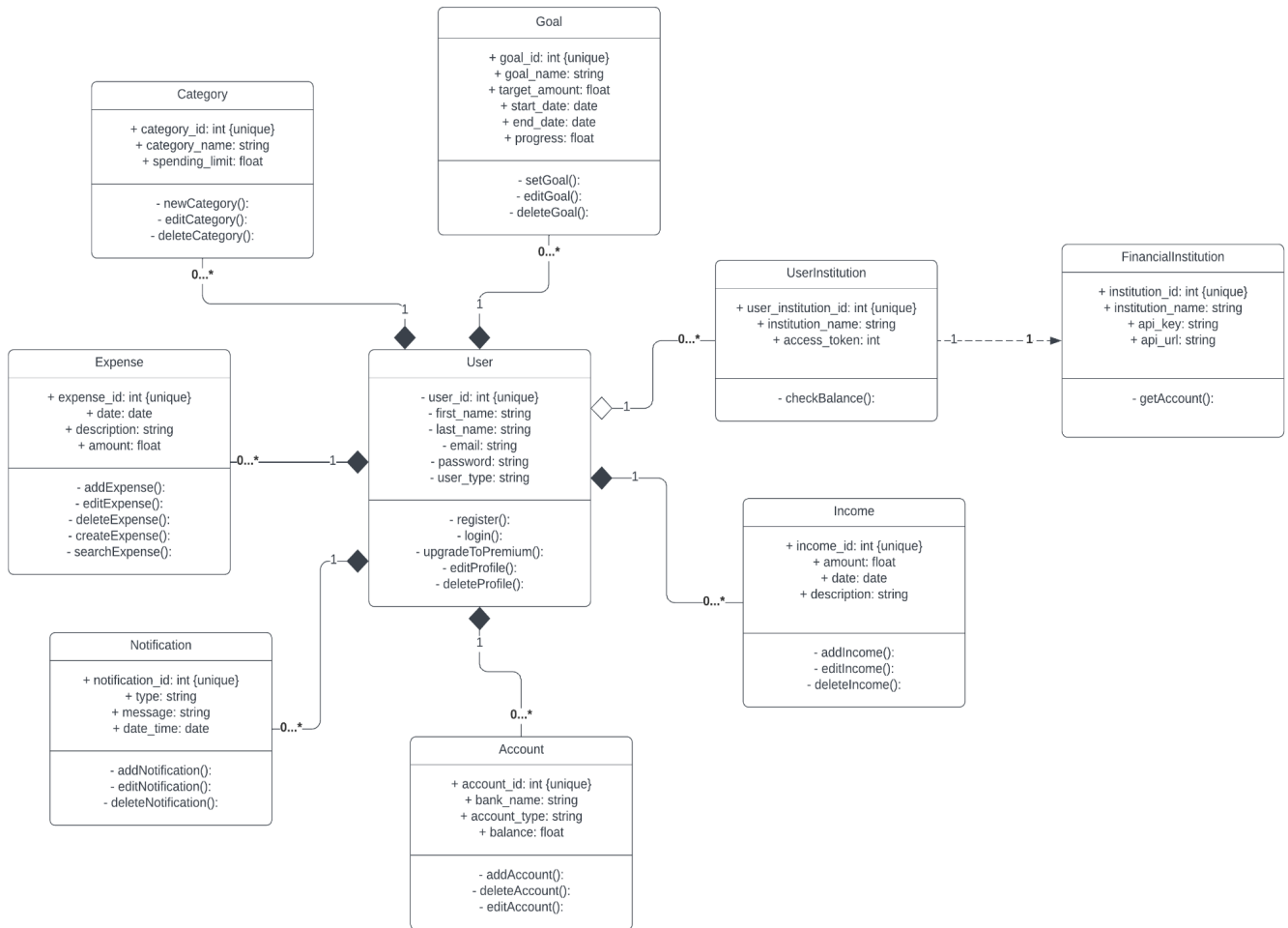
### Income Management System



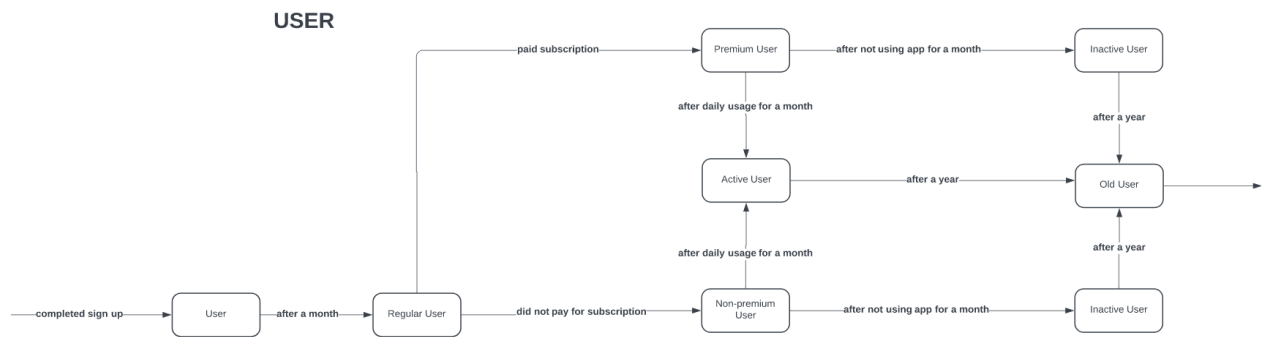
### Category Management System



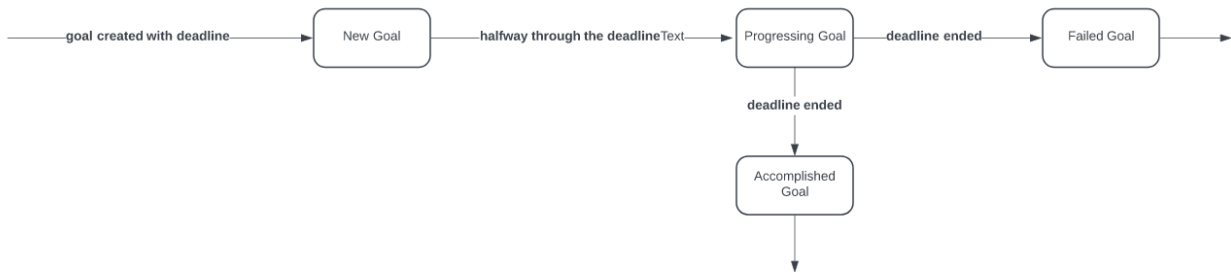
## 22. Class Diagrams



## 23. State-chart Diagrams



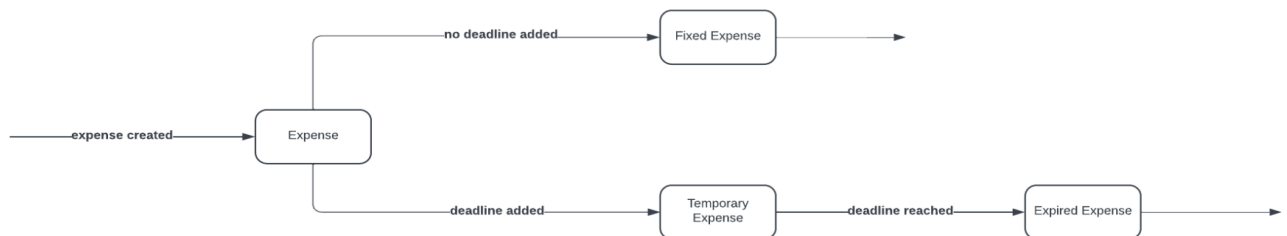
### FINANCIAL GOALS



### CATEGORY

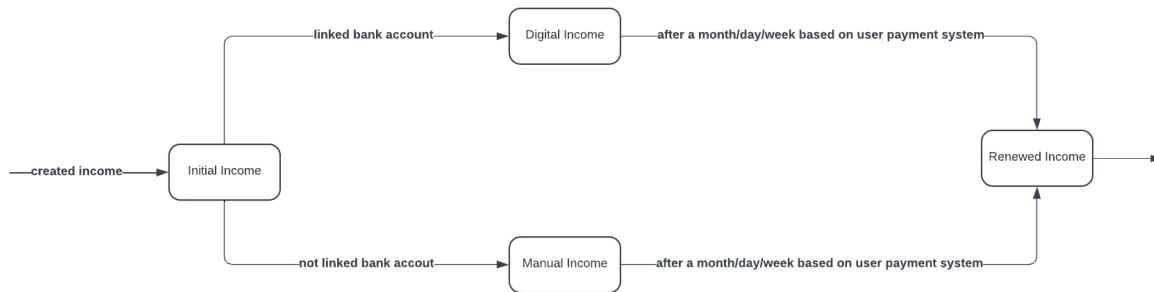


### EXPENSE





## INCOME



## 24. CRUD matrix

Activity	User Data	Account Data	Expense Data	Income Data	Category Data	Goal Data	Notification Data	Financial Institution Data	UserInstitution Data
User	CRU	R	R	R	R	R			
Account Management System	R	CRUD							
Expense Management System	R	R	CRUD		R				
Income Management System	R	R		CRUD					
Category Management System	R		R		CRUD				
Goal Management System	R					CRUD			
Generate Notification and Alert System			R	R	R	R	CRUD		
Financial Analysis and Reporting System	R	R	R	R	R	R			
Integrate with Financial Institutions								R	CRUD

## **Section 5**

## 25. Structure English pseudo code for the system

BEGIN Spendwise Tracker system

FUNCTION Register\_User:

INPUT: User information

PROCESS:

- Validate user information
- Store user information in the database

OUTPUT: Confirmation of successful registration

FUNCTION Login:

INPUT: Username, password

PROCESS:

- Validate login credentials
- Load user dashboard if credentials are valid

OUTPUT: User dashboard

FUNCTION Manage\_Accounts:

INPUT: Action (add, update, delete), account information

PROCESS:

- Perform action on account based on user input

OUTPUT: Updated account data

FUNCTION Manage\_Expenses:

INPUT: Action (add, update, delete), expense information

PROCESS:

- Perform action on expense based on user input

OUTPUT: Updated expense data

FUNCTION Manage\_Incomes:

INPUT: Action (add, update, delete), income information

PROCESS:

- Perform action on income based on user input

OUTPUT: Updated income data

FUNCTION Manage\_Categories:

INPUT: Action (add, update, delete), category information

PROCESS:

- Perform action on category based on user input

OUTPUT: Updated category data

FUNCTION Manage\_Goals:

INPUT: Action (add, update, delete), goal information

PROCESS:

- Perform action on goal based on user input

OUTPUT: Updated goal data

FUNCTION Generate\_Notifications\_and\_Alerts:

PROCESS:

- Check for upcoming expenses, goal progress, etc.
- Generate notifications and alerts based on user preferences and data

OUTPUT: Notifications and alerts

FUNCTION Financial\_Analysis\_and\_Reporting:

INPUT: Reporting parameters

PROCESS:

- Analyze financial data based on reporting parameters
- Generate reports and visualizations

OUTPUT: Financial reports and visualizations

FUNCTION Integrate\_with\_Financial\_Institutions:

INPUT: Financial institution credentials

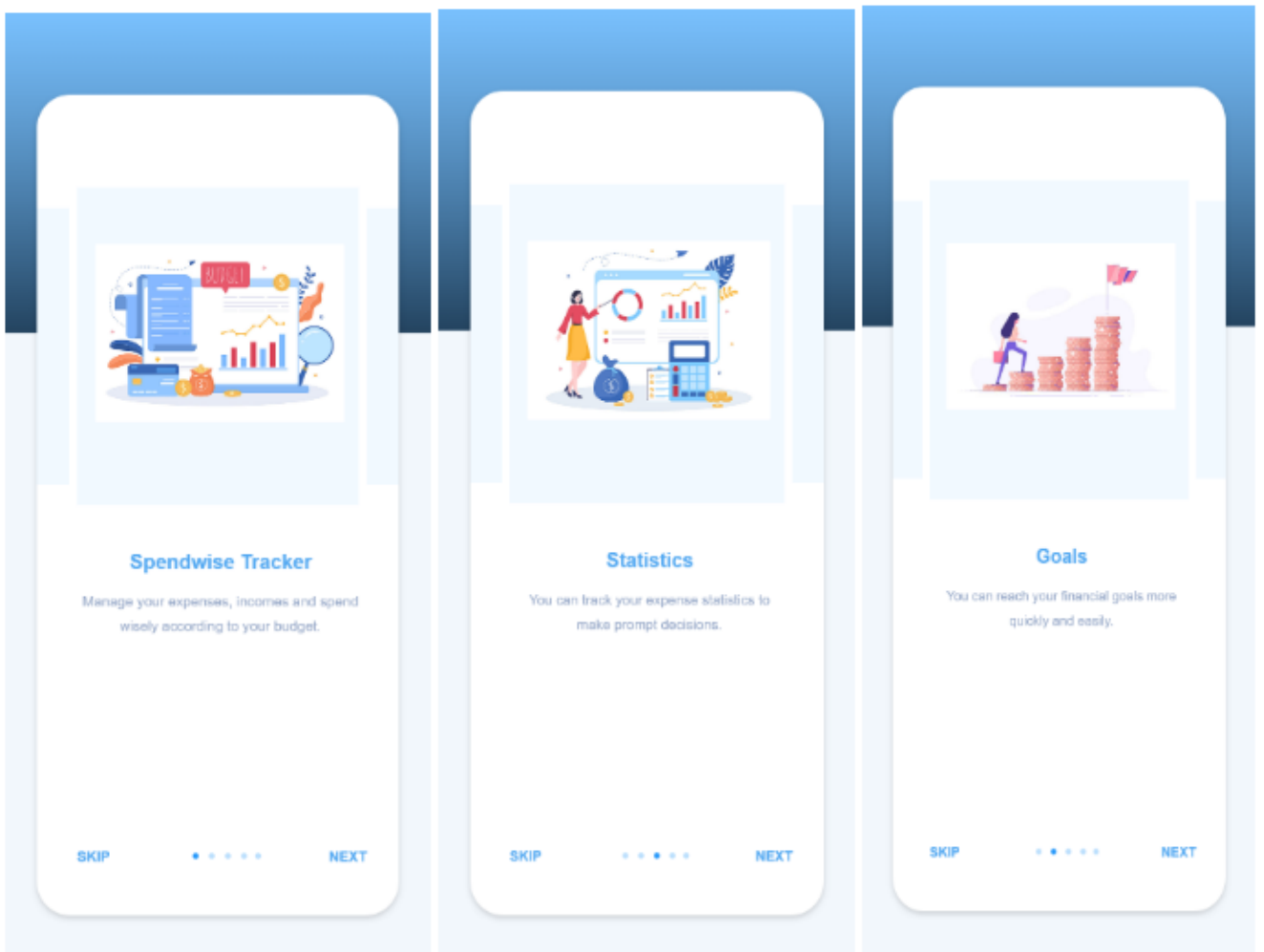
PROCESS:

- Authenticate with financial institution API
- Retrieve and sync financial data with the system

OUTPUT: Synced financial data

END Spendwise Tracker system

## 26. Prototype the user interface



Application Landing Pages



Application Landing Pages

Spendiwse Tracker

Login

johndoe@gmail.com

\*\*\*\*\*

LOGIN

Spendiwse Tracker

Sign Up

John Doe

johndoe@gmail.com

\*\*\*\*\*

\*\*\*\*\*

Already have an account?. [Login here.](#)

CONTINUE

Login/Sign Up Form



The image displays two mobile application screens side-by-side. The left screen, titled 'Welcome', prompts the user to 'Please choose one form of input'. It features two light blue buttons: 'Bank' with a bank icon and the text 'Connect bank account', and 'Manual' with a document icon and the text 'Input salary'. Below these is a link: 'Already have an account?. [Login here.](#)' and a blue 'CONTINUE' button at the bottom. The right screen, titled 'Please fill up the details', is accessed via a back arrow. It contains two input sections. The first, 'Salary', has a text field with '15000' and a blue 'BDT' button. The second, 'Salary Type', has two radio buttons: 'Monthly' (selected) and 'Daily'. The third, 'Other Income', has a text field with '2000' and a blue 'BDT' button. A blue 'CONTINUE' button is at the bottom.

Welcome

Please choose one form of input

**Bank**  
Connect bank account

**Manual**  
Input salary

Already have an account?. [Login here.](#)

CONTINUE

Please fill up the details

Salary

15000 BDT

Salary Type

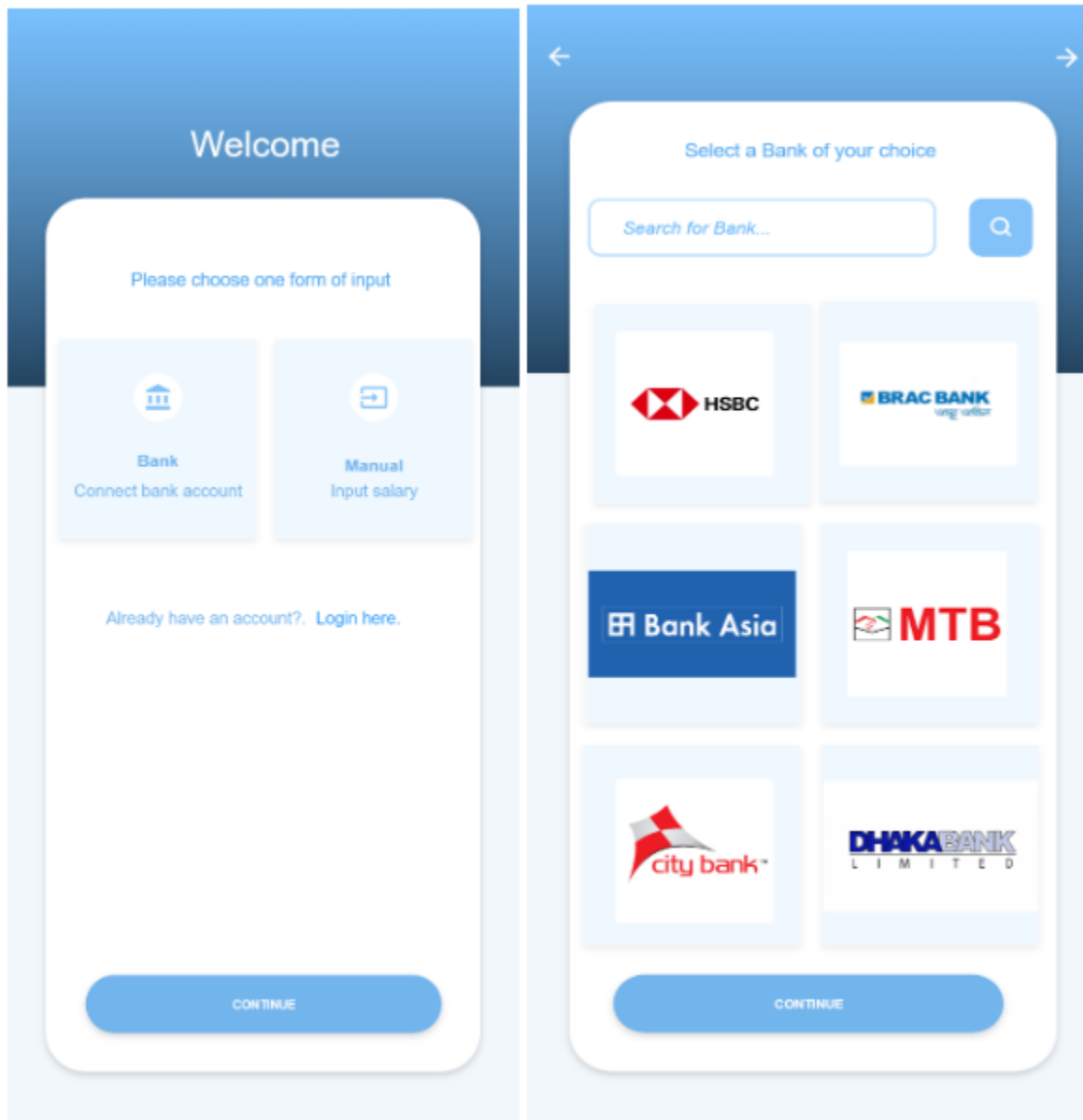
☒ Monthly ☐ Daily

Other Income

2000 BDT

CONTINUE

Input Method: Manual Form



Input Method: Bank Form

Please fill up your bank details

Account Holder Name

Foyzul Hoque

Routing Number

060270988

Account Number

XXXXXXXXXXXXXXXXXX

Confirm Account Number

XXXXXXXXXXXXXXXXXX

Branch

Khilgaon SME

Upload Cheque/Bank Statement Photo  
(Either JPG or PNG max size 5MB)

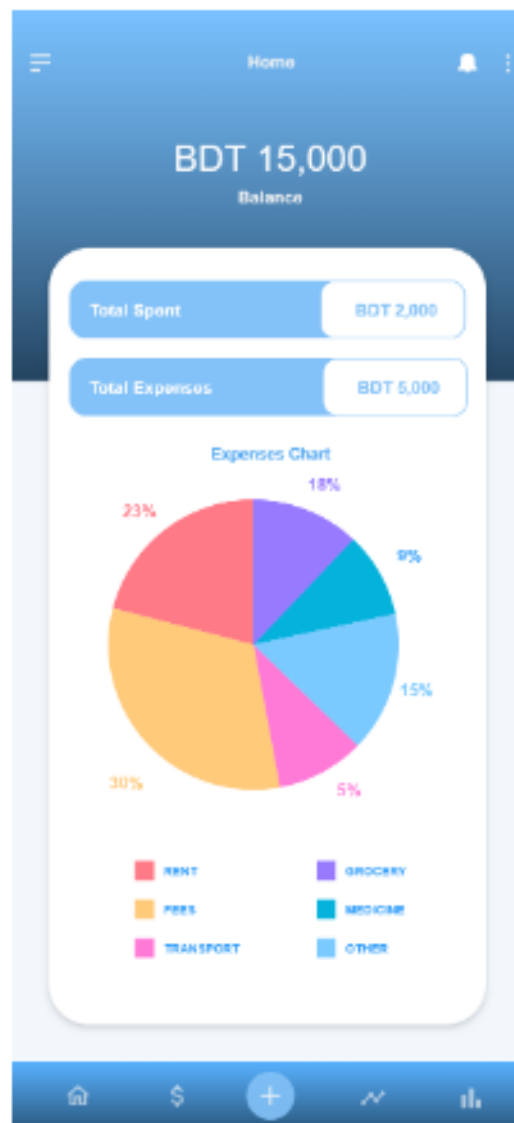
Browse For an Image

*\*Photo must clearly show Name and Account Number*

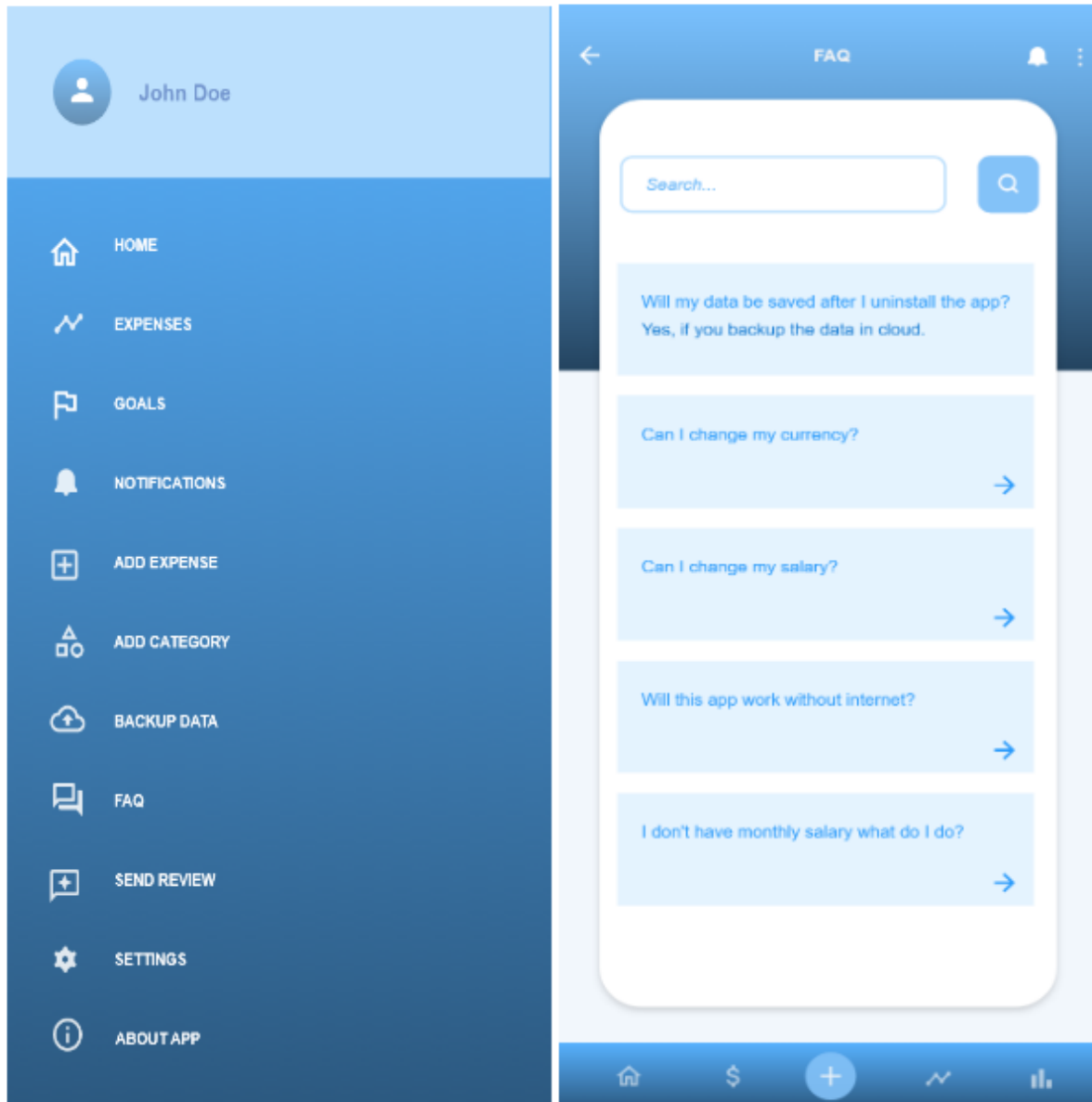
CONFIRM

CANCEL

Input Method: Bank Form



Dashboard



Navigation bar and Frequently Asked Questions

The image displays two mobile application screens for adding expenses. Both screens feature a blue header with a back arrow icon. The left screen is titled "New Expense" and the right screen is titled "New Expenses".

Each screen contains a form with three input fields: "Item", "Price", and "Quantity". Each field has a "BOT" button next to it. The left screen has a "+ ADD MORE" button below the "Quantity" field. The right screen has a "+ ADD MORE" button below the "Quantity" field.

At the bottom of each screen is a blue bar with a "CONTINUE" button. The bottom navigation bar is blue and contains icons for home, currency, add, and charts.

Add Expense Form

The image displays two side-by-side mobile application screens. The left screen, titled 'Debt', shows a summary of the user's debt status. It features a large 'BDT 0' display with 'Total Debt' underneath. Below this, there are two toggle buttons: 'Lent' (set to BDT 1,000) and 'Borrow' (set to BDT 0). A message states 'You have no debts!' with a progress bar for the month of 'April' showing 0% completion. An 'ADD DEBT' button is at the bottom. The right screen, titled 'Add New Debt', is a form for adding a new entry. It prompts the user to 'Please fill up the details' and includes fields for 'Name' (with a 'BDT' button), 'Amount' (set to 2000, with a 'BDT' button), 'Debt Type' (radio buttons for 'Lent' and 'Borrow'), 'Debt Date' (calendar icon), 'Payment Date' (calendar icon), and a 'Note' field. An 'ADD' button is at the bottom. Both screens have a blue header with a back arrow and a notification bell, and a blue footer with navigation icons: home, currency, add, trends, and bar chart.

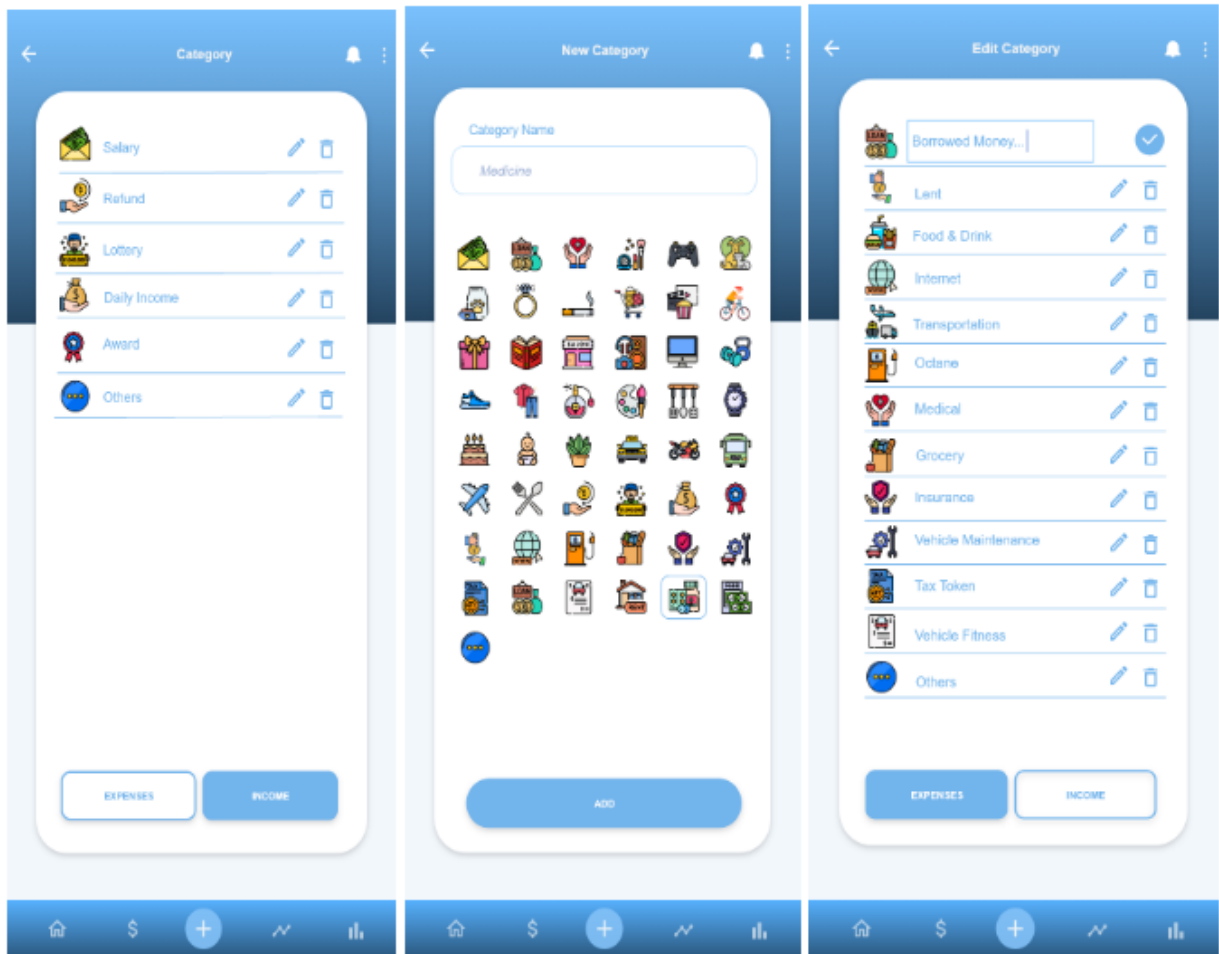
**Debt Screen:**

- Header: Debt
- Total Debt: BDT 0
- Lent: BDT 1,000
- Borrow: BDT 0
- You have no debts!
- April
- 0 0
- ADD DEBT

**Add New Debt Screen:**

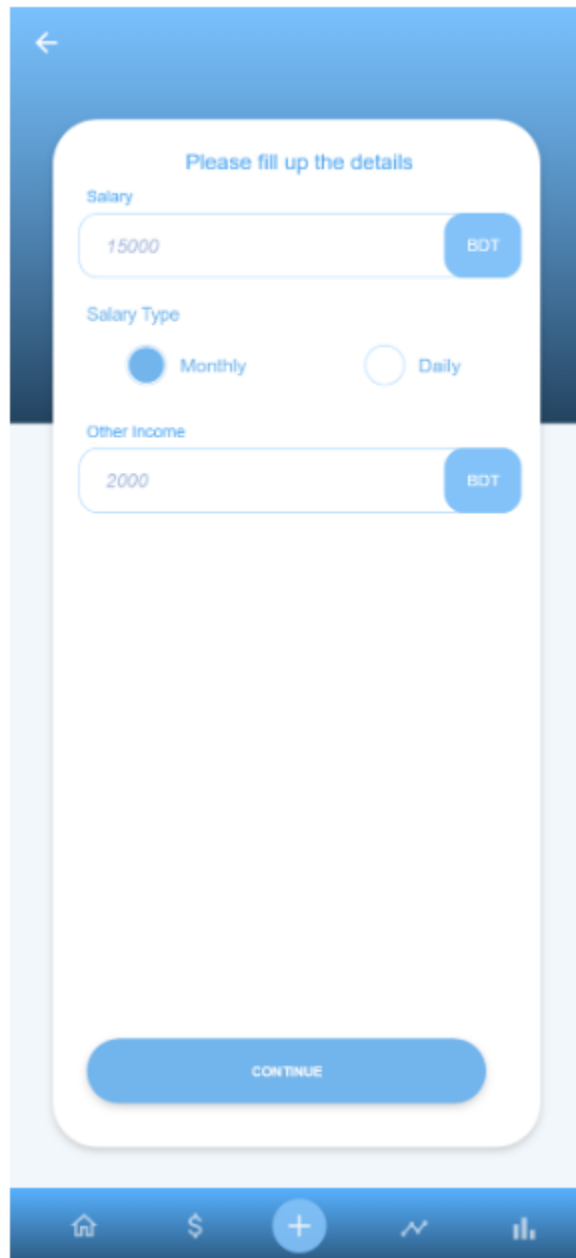
- Header: Add New Debt
- Please fill up the details
- Name: [Text Field] BDT
- Amount: 2000 BDT
- Debt Type: ☒ Lent ☐ Borrow
- Debt Date: [Select Date...] [Calendar Icon]
- Payment Date: [Select Date...] [Calendar Icon]
- Note: [Type your note here...]
- ADD

Add Debt Form



Add/Edit Category





A mobile application interface for adding or editing salary details. The screen has a blue header with a back arrow. The main content area is white with rounded corners and a light blue shadow. It contains three sections: 'Salary' with a text input field showing '15000' and a blue 'BOT' button; 'Salary Type' with two radio buttons, 'Monthly' (selected) and 'Daily'; and 'Other Income' with a text input field showing '2000' and a blue 'BOT' button. A large blue 'CONTINUE' button is at the bottom of the form. The bottom of the screen features a blue navigation bar with five icons: a house, a dollar sign, a plus sign, a line graph, and a bar chart.

Please fill up the details

Salary

15000 BOT

Salary Type

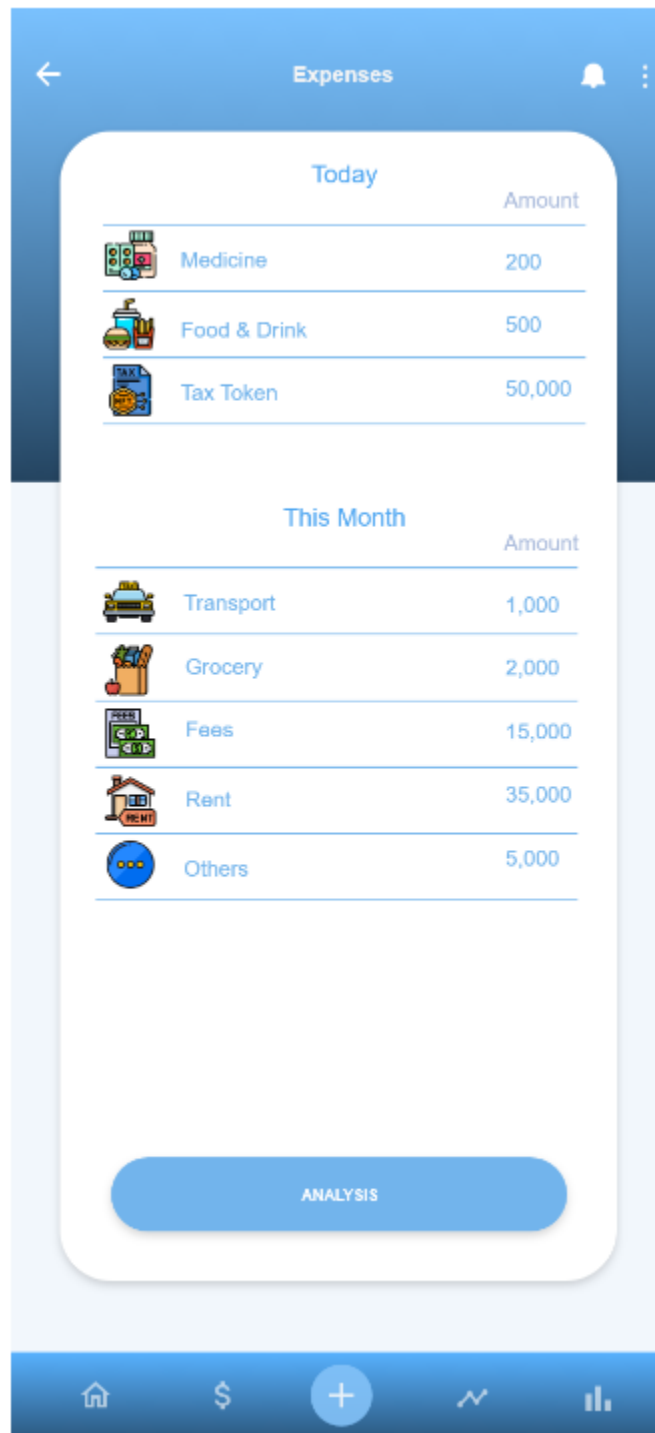
☒ Monthly ☐ Daily

Other Income

2000 BOT

CONTINUE

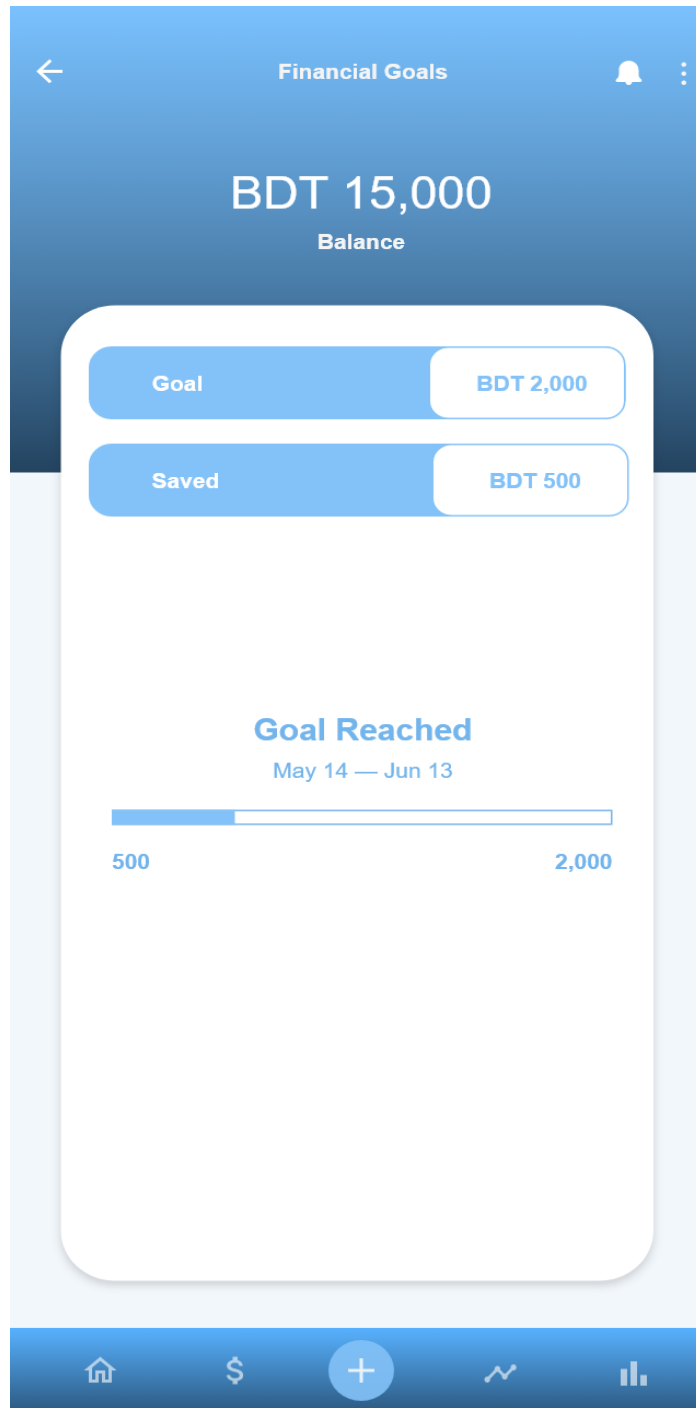
Add/Edit Salary Form



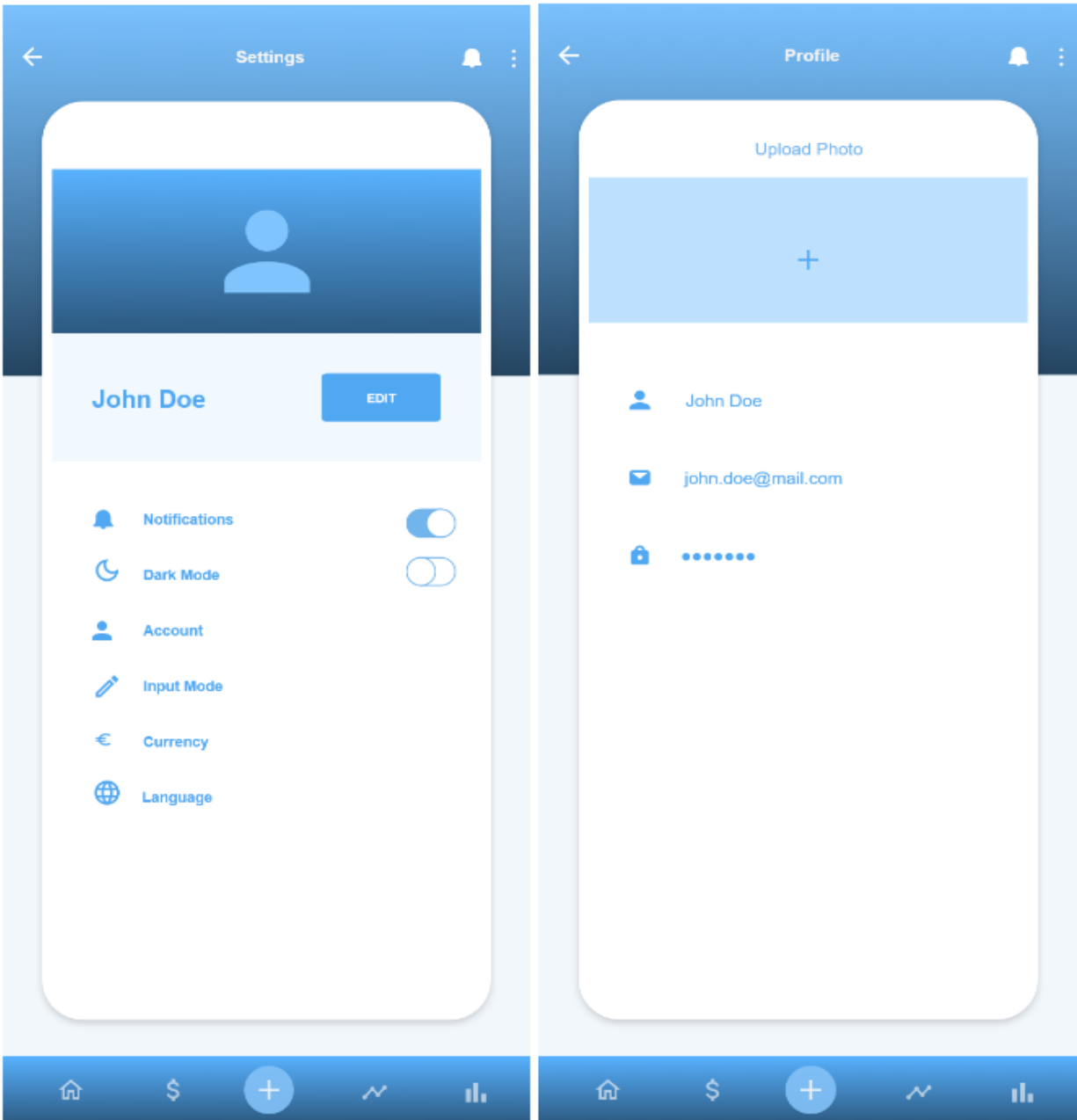
Expense List



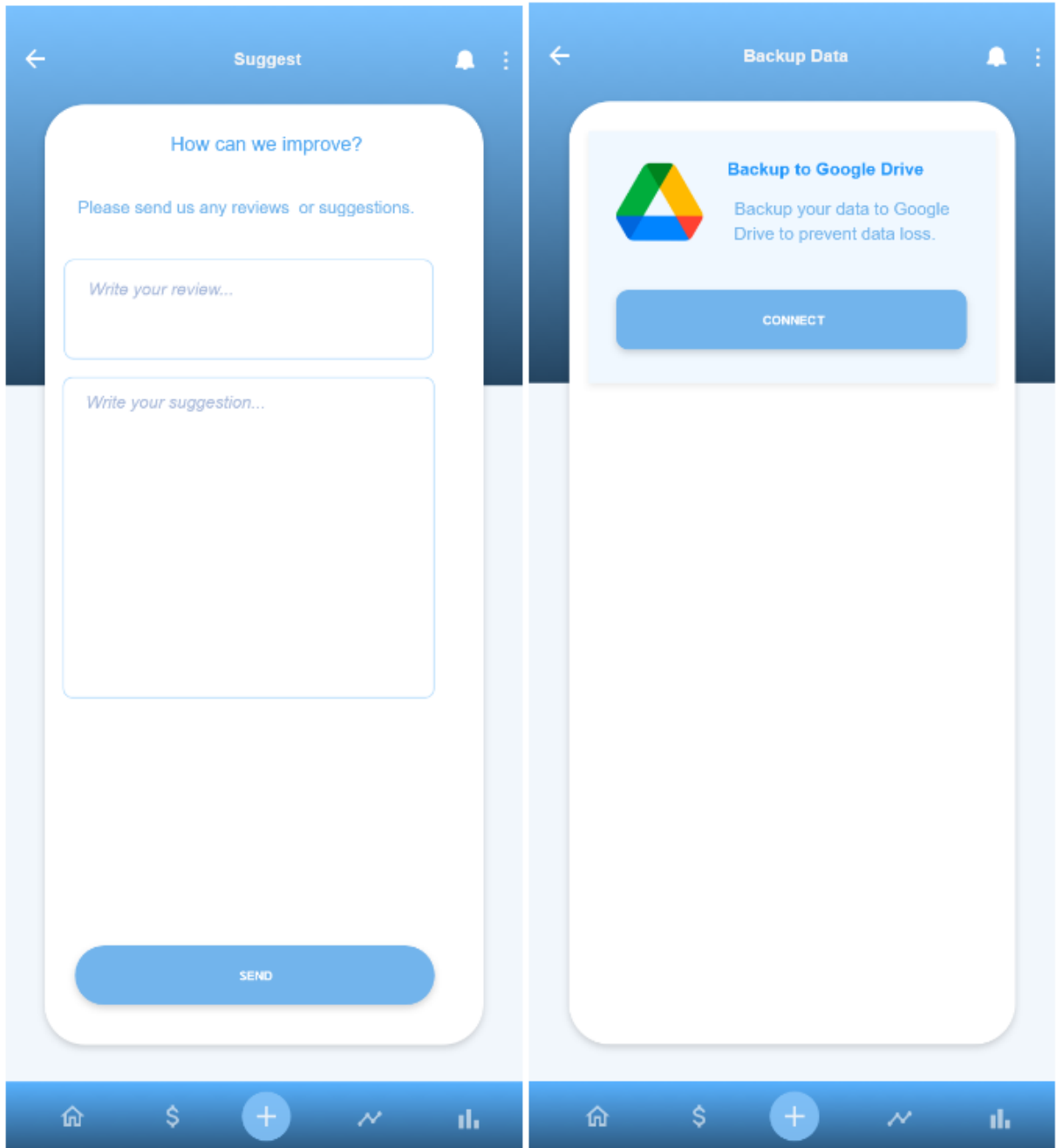
Expense Analysis



Financial Goal



Profile



Suggestion and Backup Data