# 



SPENDING MANAGEMENT

Documentation

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Introductor : Lai Van Son

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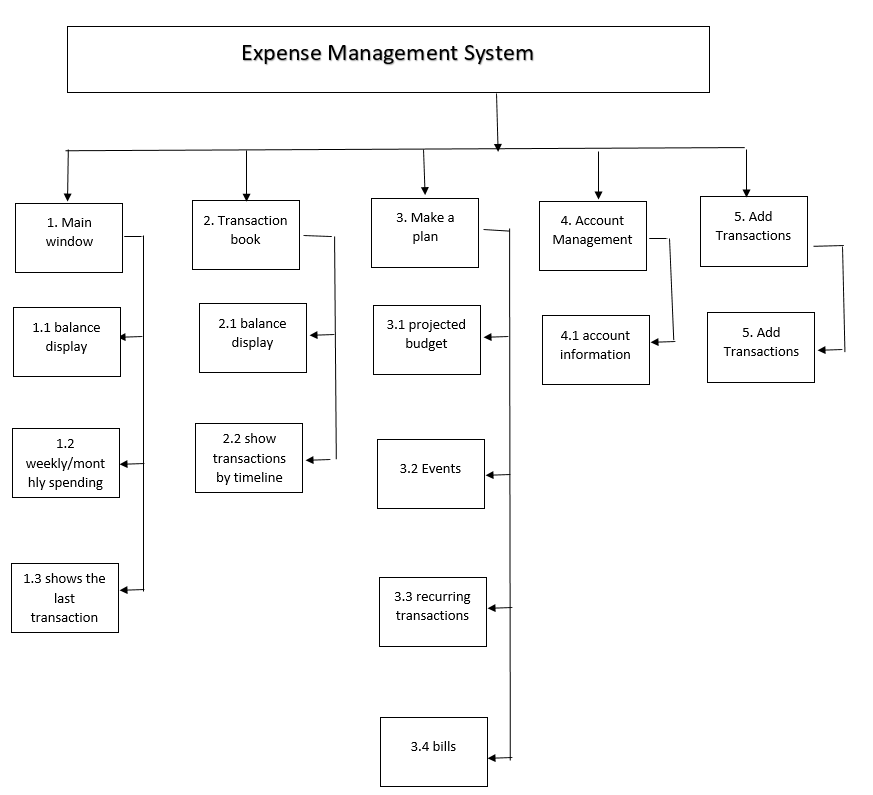
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1. **General introduction to spending management application.**

Spending management application is the topic we choose when implementing the project 2. This application is very suitable for today's digital age, it will be of great help to everyone. Our application allows users to store their own money , control their spending by day , month , year through transactions added by users when using the application .

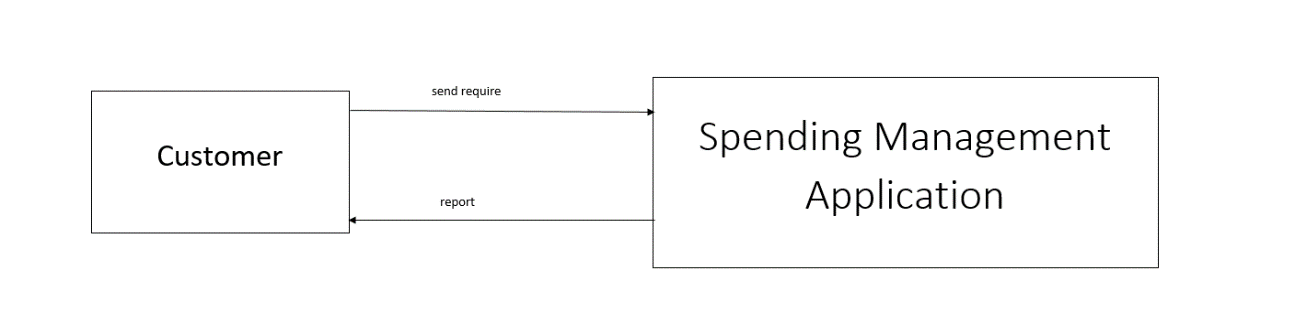
In the process of implementing the features of the application, we encountered certain difficulties, we received very timely help from Mr. Ngo Trung Kien. For successful implementation, we need the enthusiastic guidance of Mr. Ngo Trung Kien.

1. **Business Function Diagram.**



This is a chart that helps us to decentralize the functions included in the application so that I can divide work among team members and control the progress of the team in a simple way.

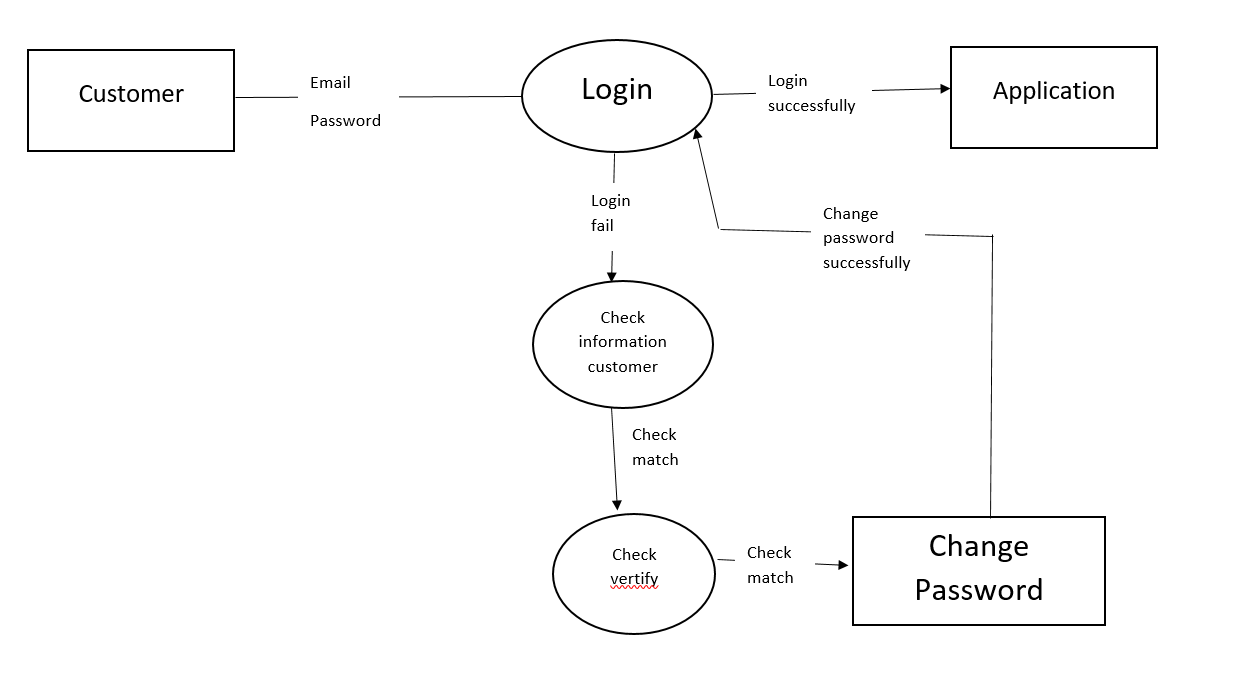
1. **Synthesized data processing diagram.**



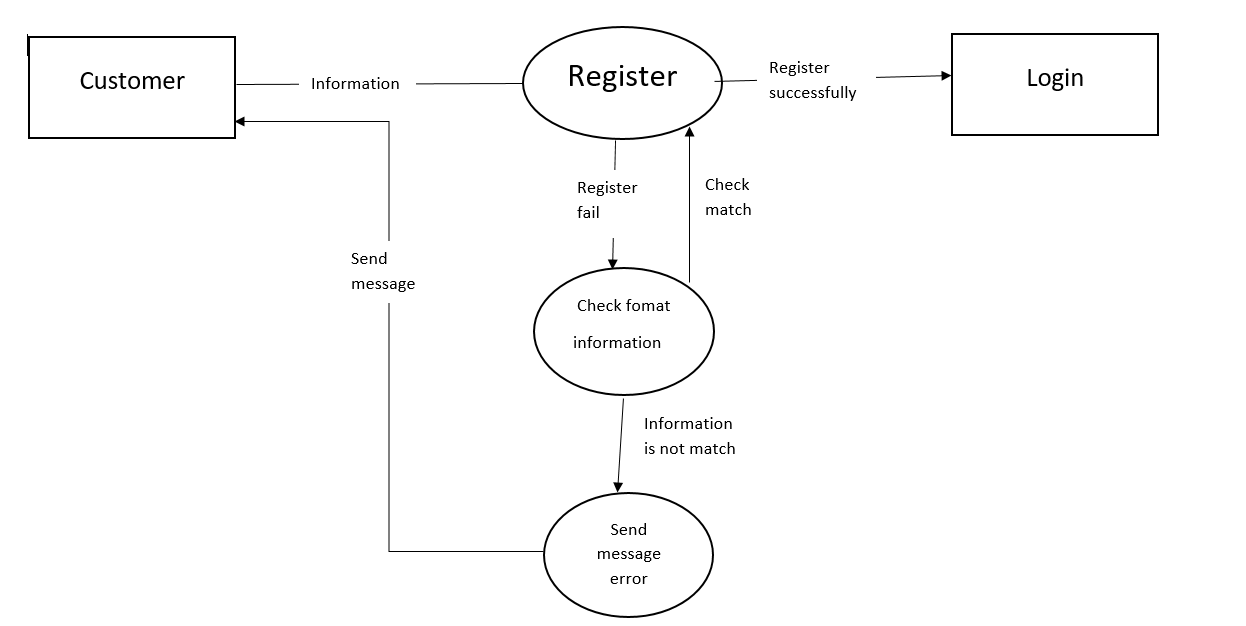
In general , our application represents the relationship between the customer and the system . Customers only need to make a request, our system will send feedback to the customer when the request is done.

For example, a customer can ask the system to enter another amount into an existing account, then the system will perform the act of adding that money and will display the new amount as a response for adding money. into the client's application.

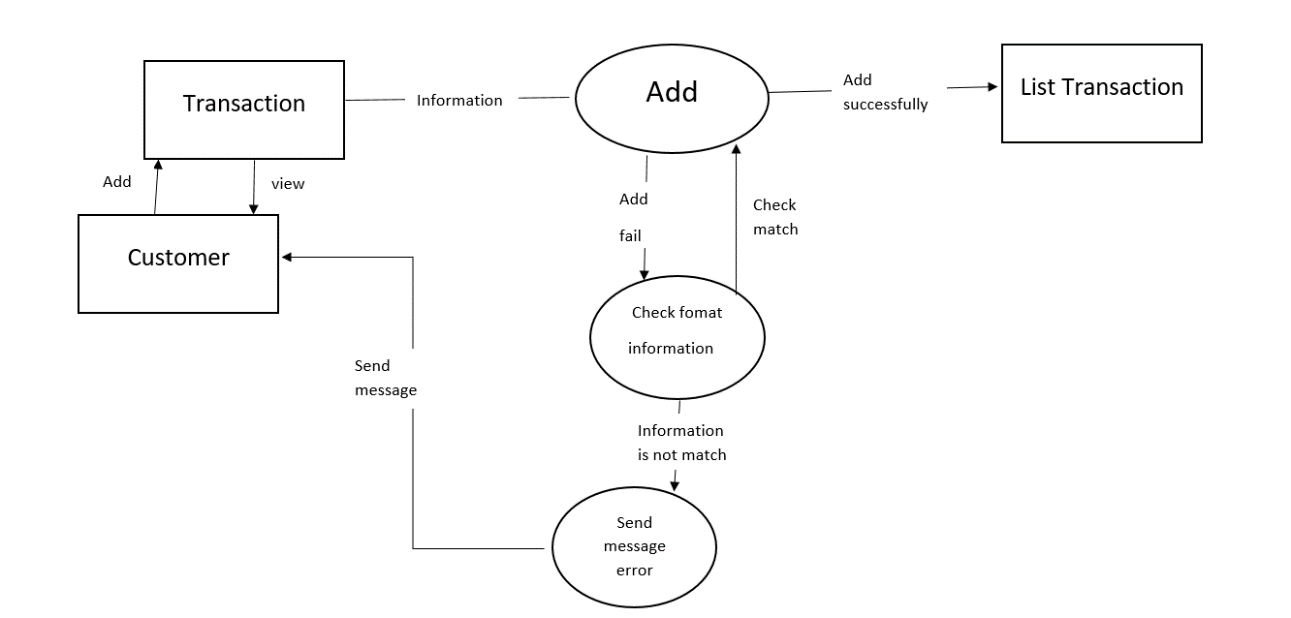
1. **Data Flow Diagram.**
   1. Function Login



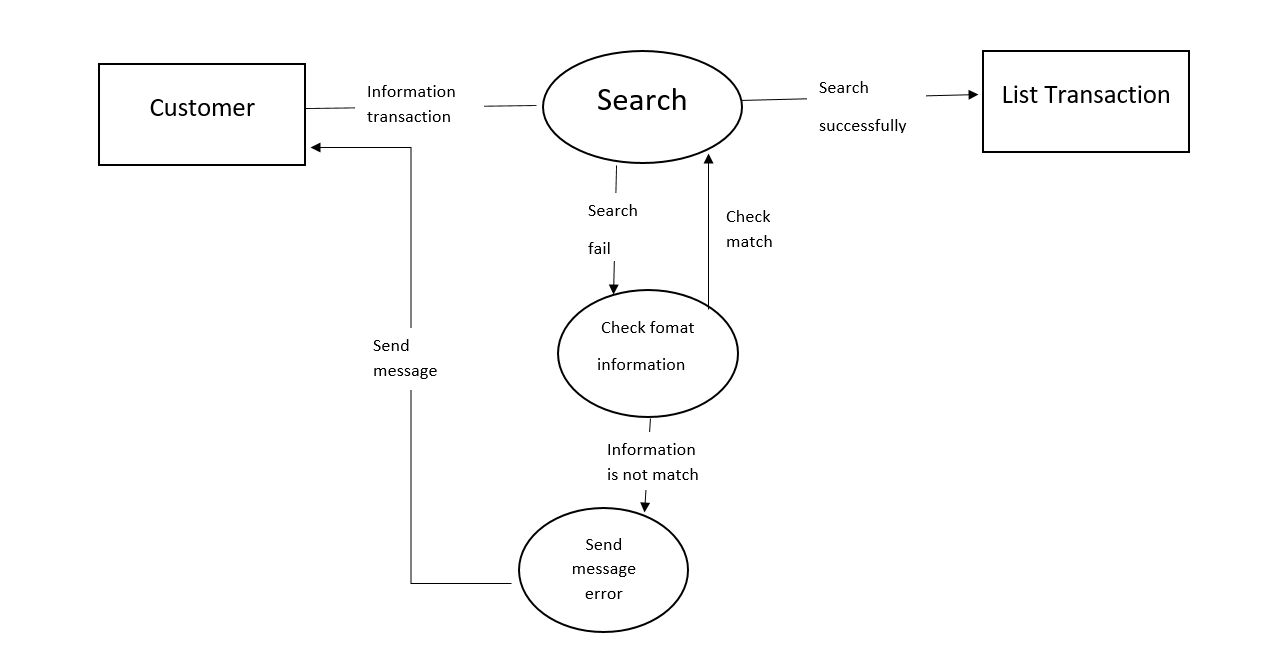
* 1. Function Register



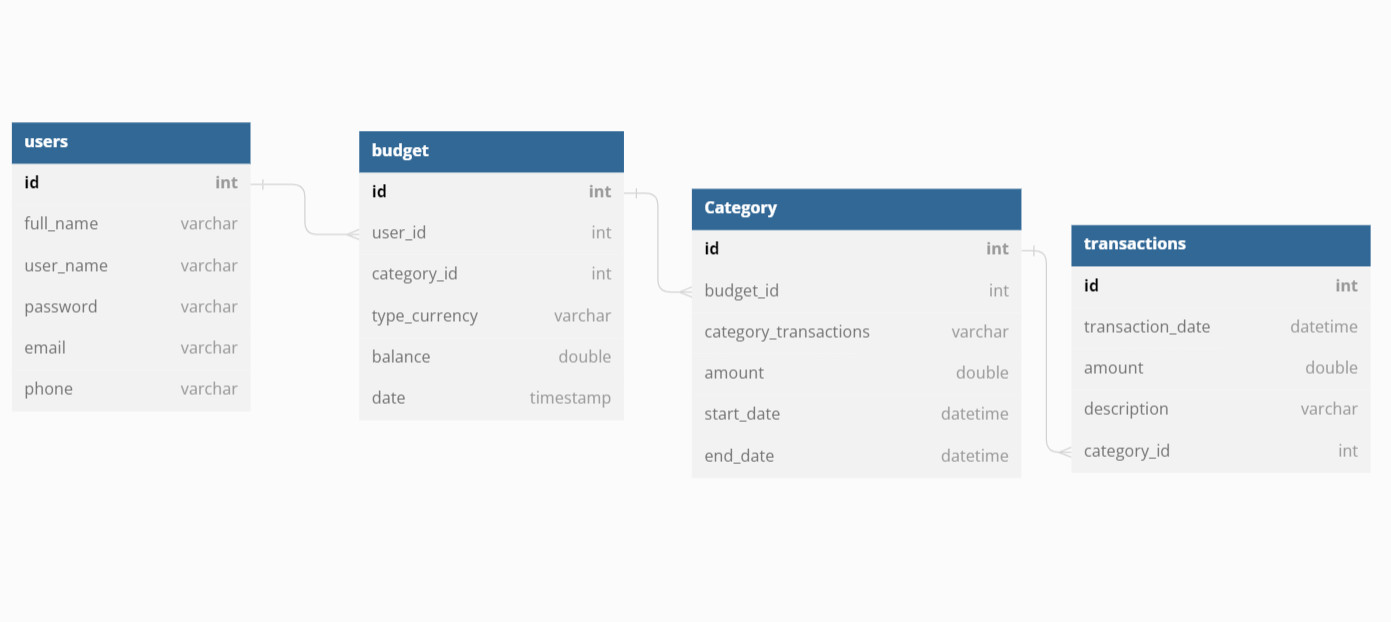
* 1. Add Transaction



* 1. Search Transaction

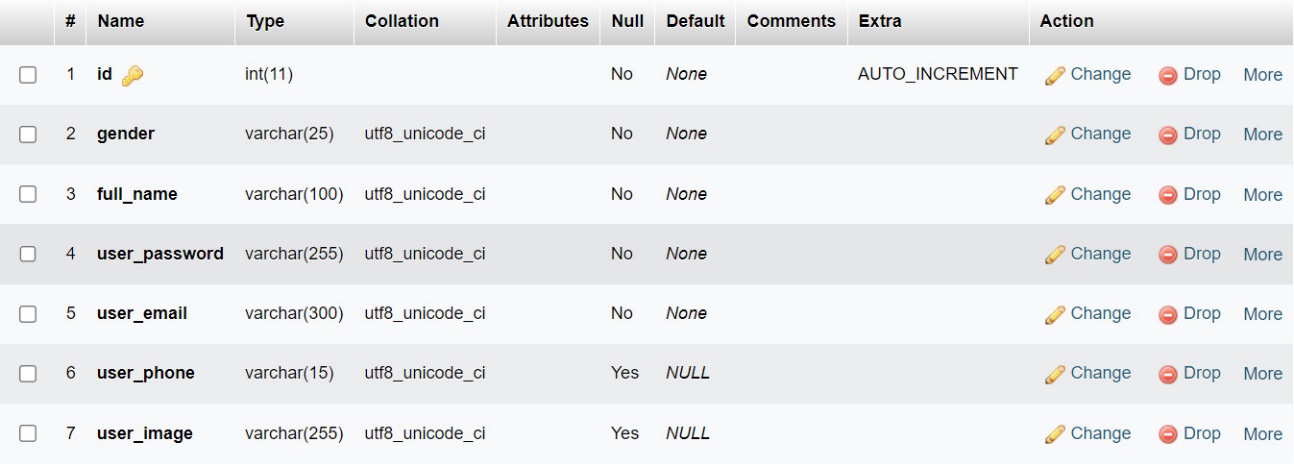


1. **Entity Relationship.**
   1. The relationship entity diagram



* 1. Detail Entity

Table Name : User



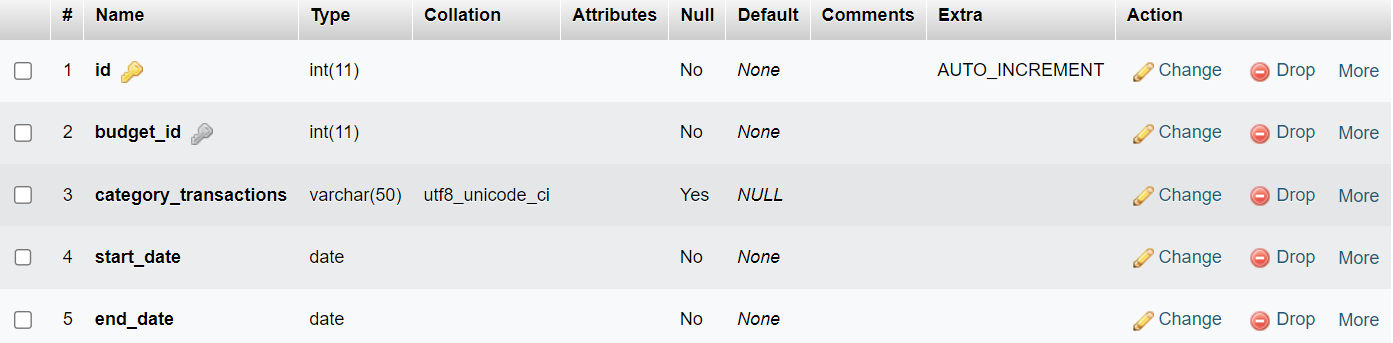
This is the table used to store the customer's information after they register on the registration page.

Table Name : Budget



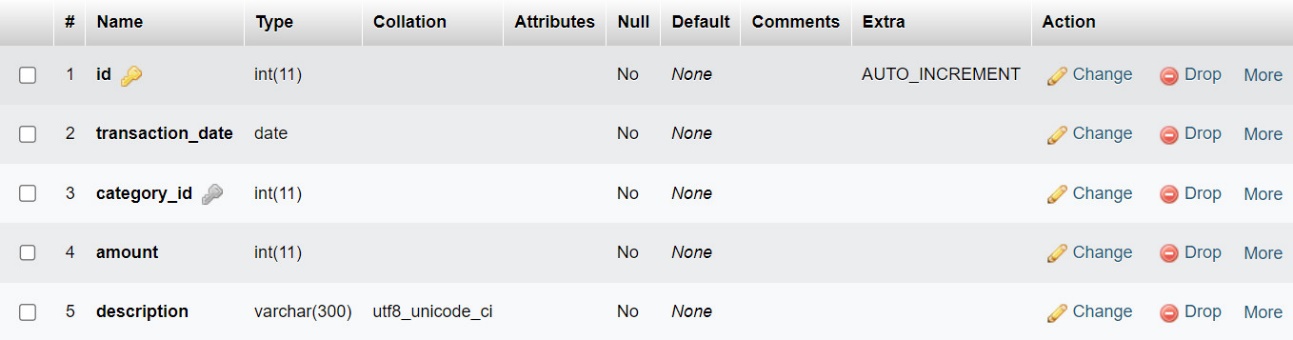
This is the table used to store the customer's account balance.

Table Name: Category



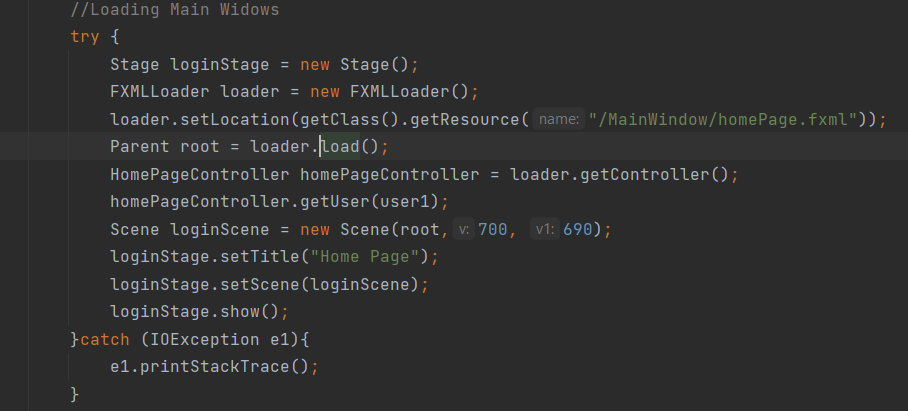
This is the table used to categorize the transactions used for the balance.

Table name : Transaction

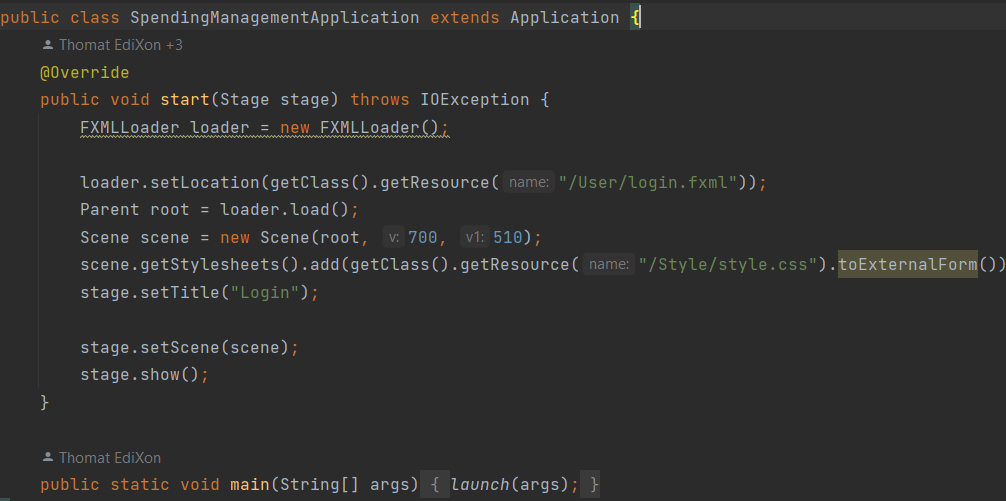


This is a table used to store details about the transactions that the customer has spent.

1. **Some Codes and Objects are specific to project operations.**
   1. Root Layout

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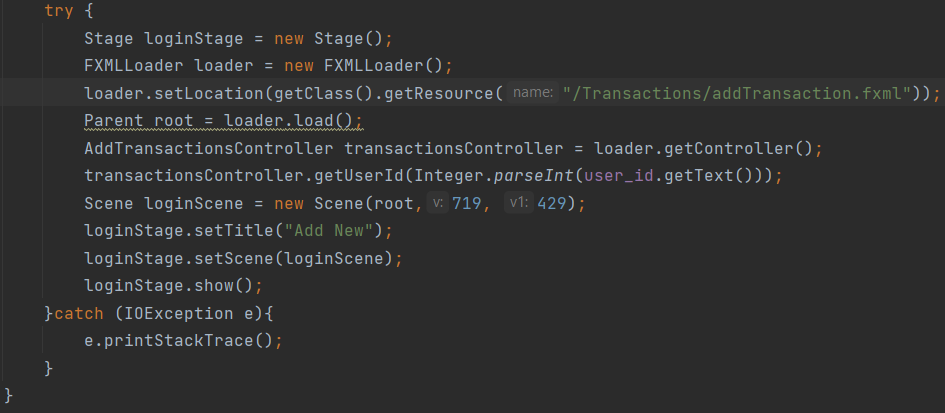
* 1. Login

****

* 1. Transaction

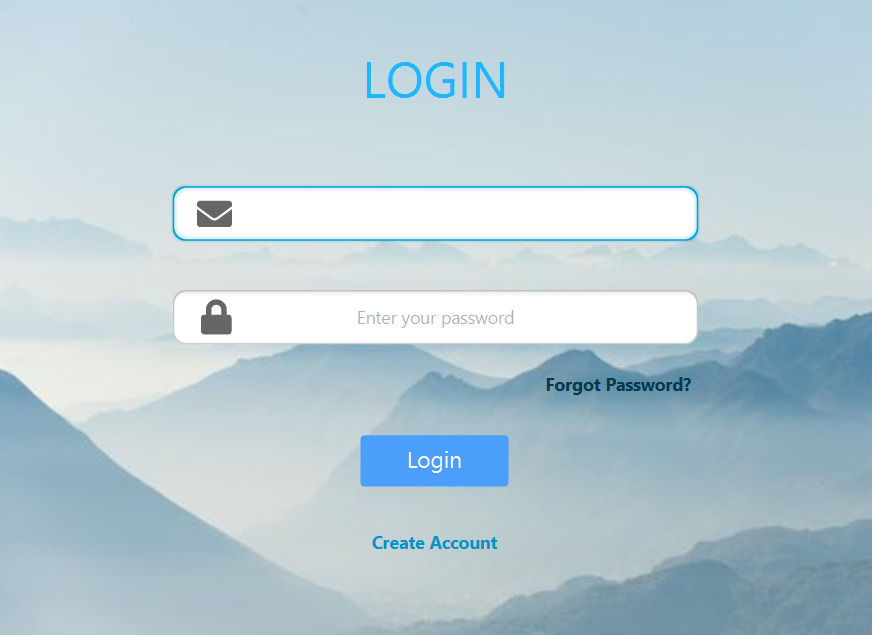
****

* 1. Add transaction

****

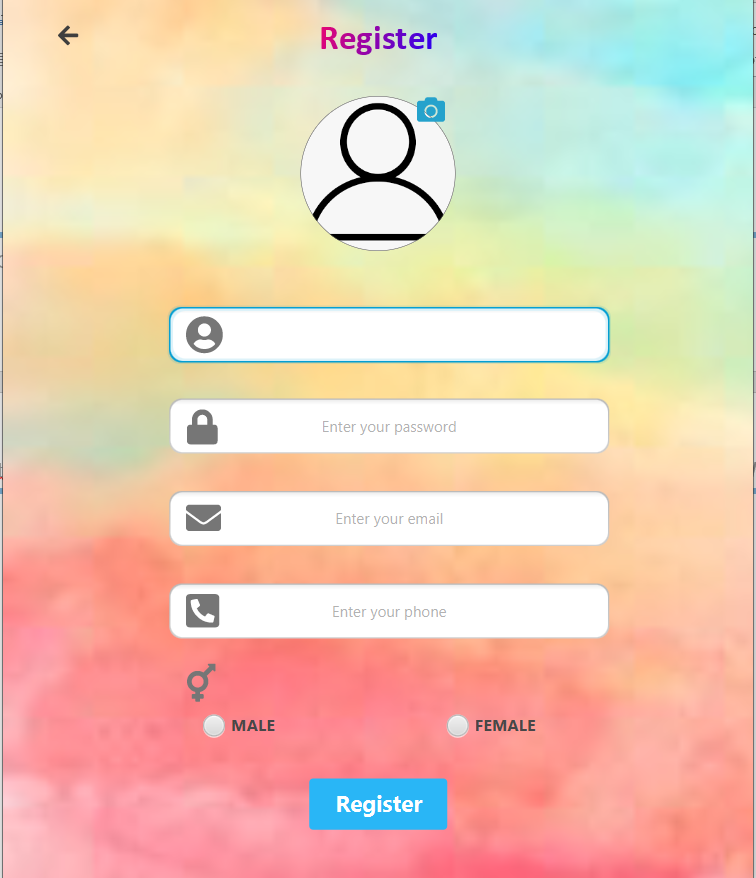
These are some of the featured code objects as implemented by our application logic project.

1. **Screen Demo.**
   1. Login



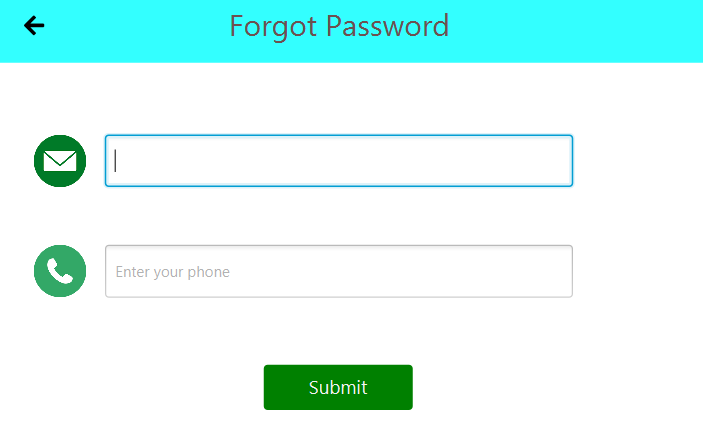
This is the login page interface, users who want to use the features available in the application are required to log in with the correct email address and password that they have registered before. If the user has forgotten his password, there is also a forgot password field on the login page so that the user can use the feature to change a new password, and if the user does not have an account, he can select the item create acont to register for an account. new account.

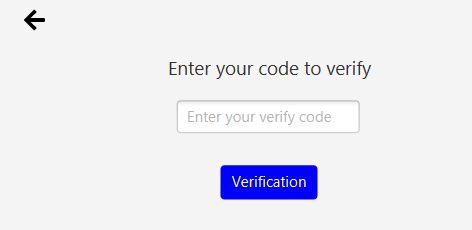
* 1. Register



The registration page allows users to enter personal information in the prescribed form, thereby creating a new account, then return to the login page to log in and use the application.

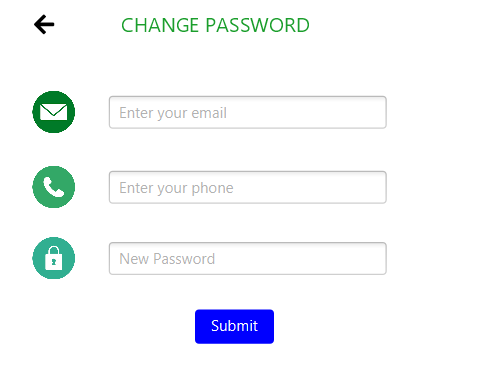
* 1. Forgot Password





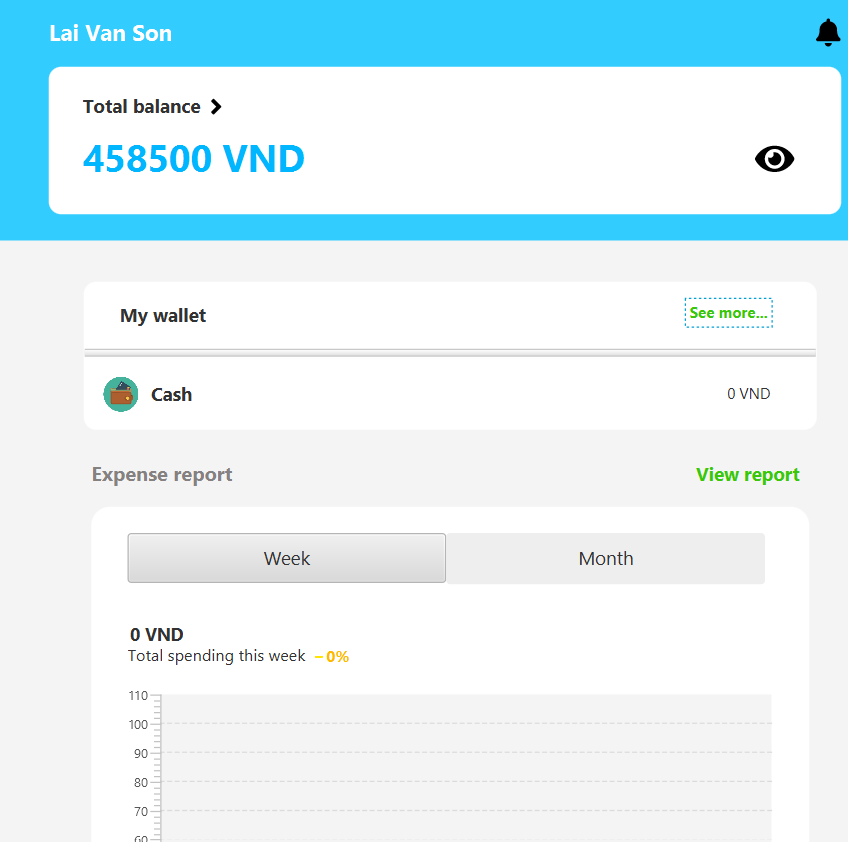
When the user forgets the password, it is necessary to confirm the correct information when logging in, then the user will be sent an identification code through which to be allowed to change the password.

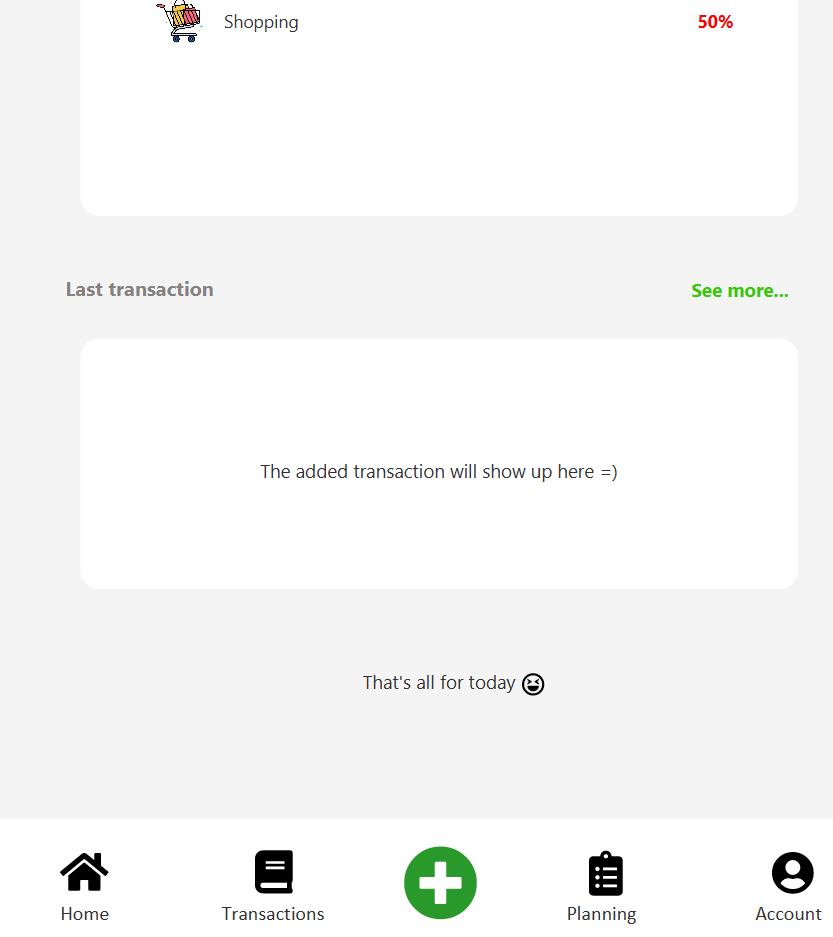
* 1. Change Password



After entering the system identifier, the user will be able to change a new password at this page.

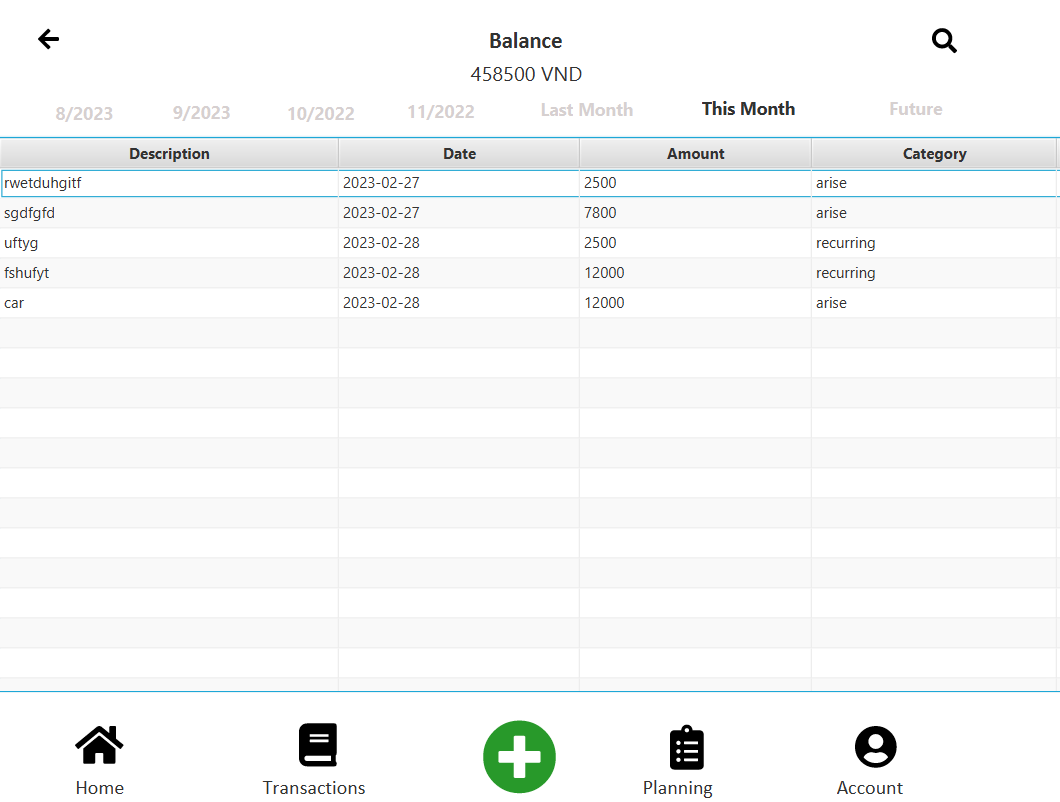
* 1. Homepage





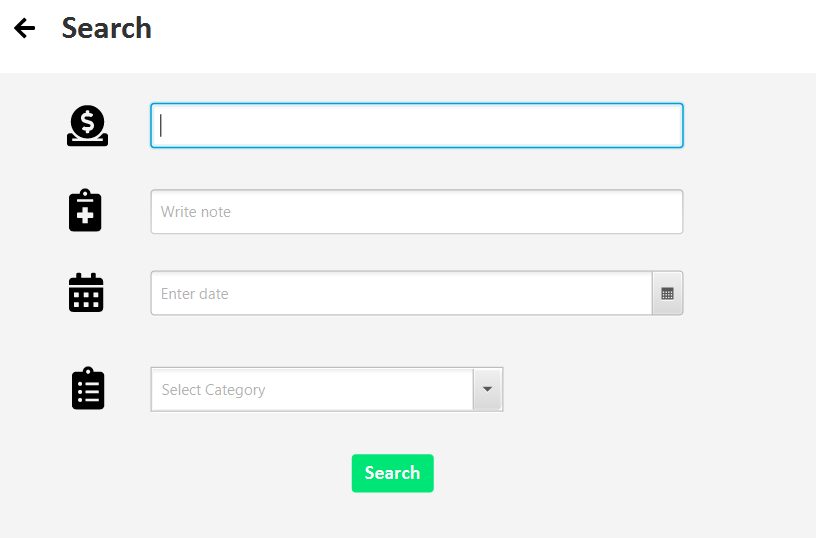
This is a page that displays information about the user such as : available balance , spending limit chart , most recent transaction , along with many other features .

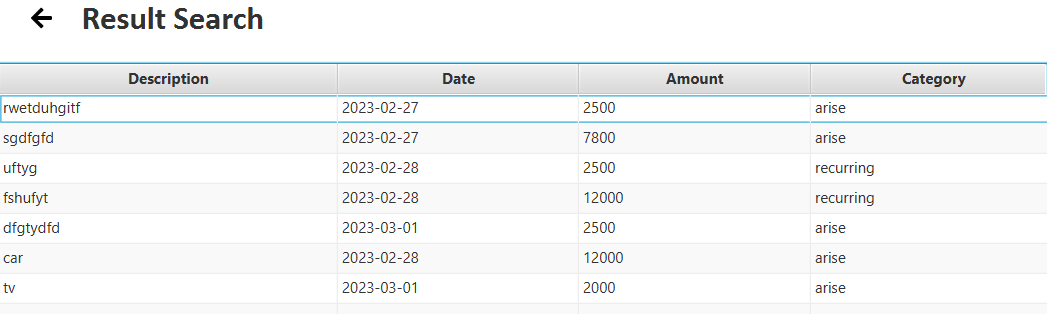
* 1. Transaction



This page displays information about the transactions that the user has made, they are displayed in the form of a table and integrated with the function of sorting by timeline and search feature.

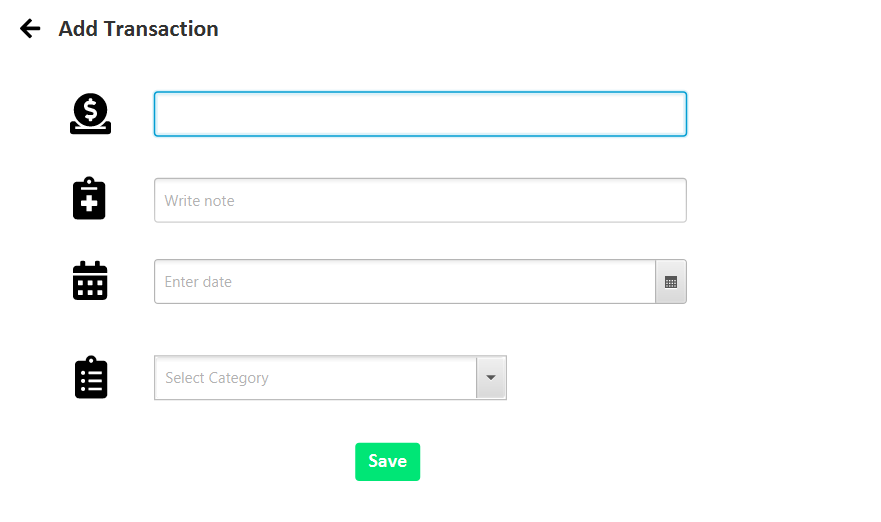
* 1. Sreach





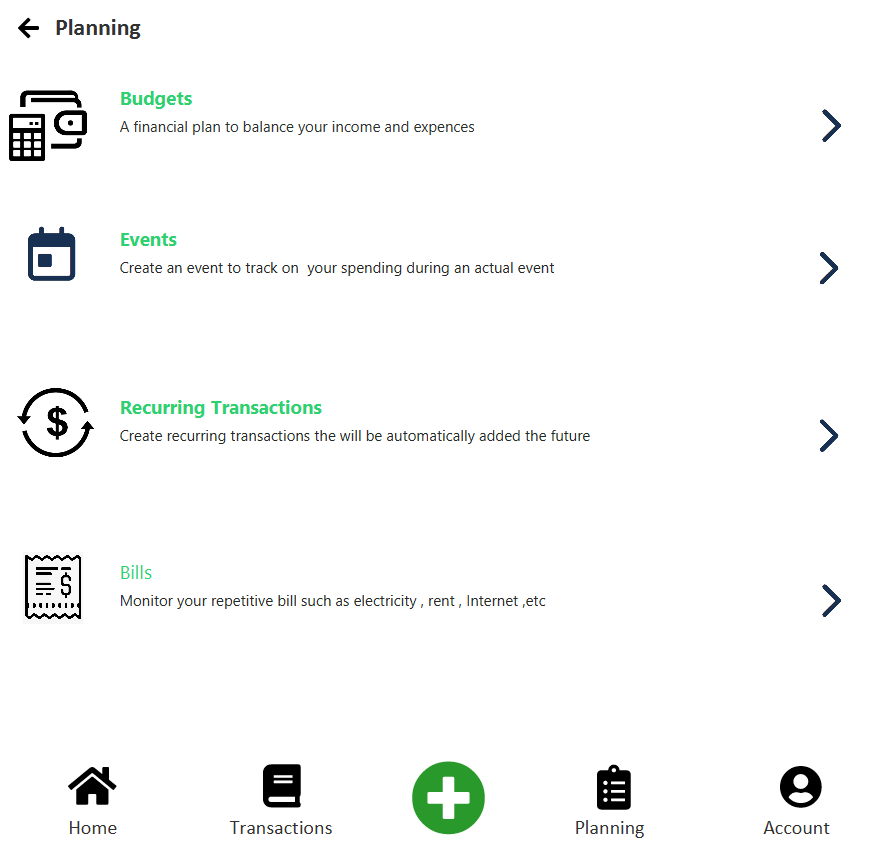
This page helps users to search for transactions easily by attribute of the transaction they want to find and then the results will be returned through the results page.

* 1. Add Transaction



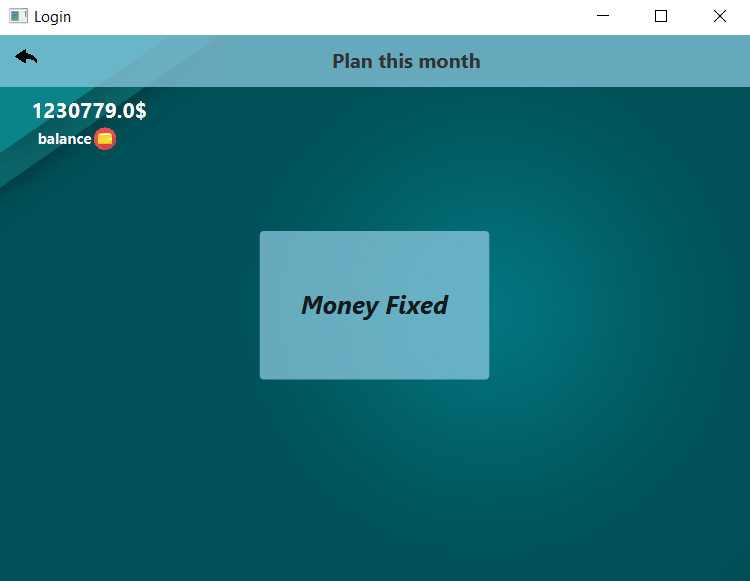
This page is used to add a new transaction according to the properties of the transaction entered by the user.

* 1. Planning



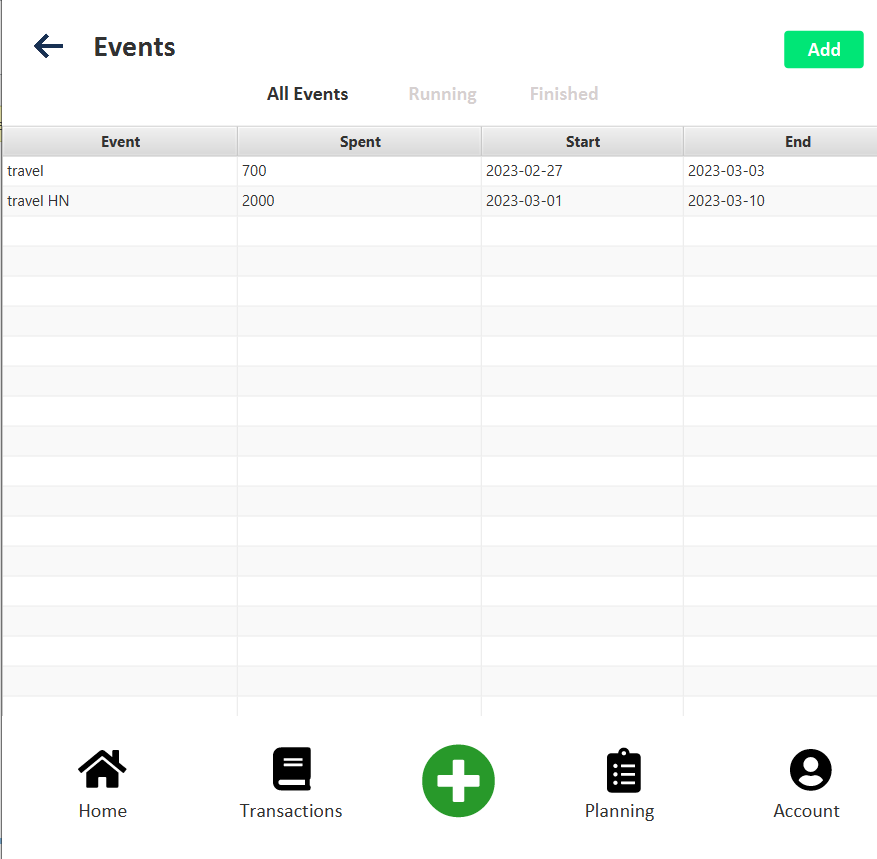
This window is features up plan to the options in the future of user.

* + 1. Budget



This feature allows users to plan their spending based on their current budget.

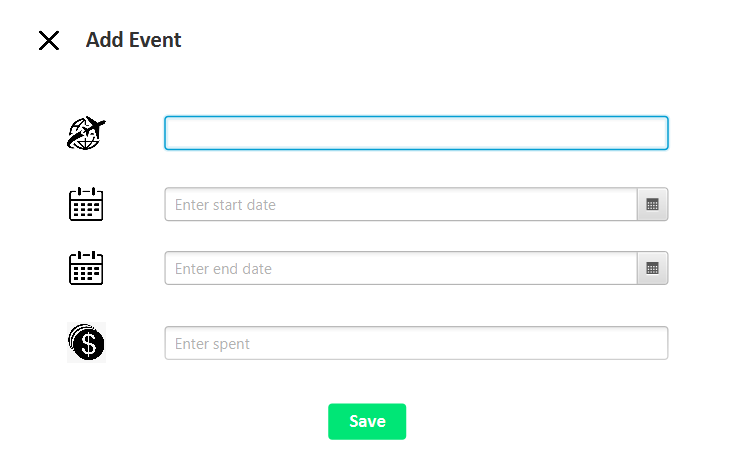
* + 1. Events



This feature allows users to plan spending when there are events that they need to attend such as travel, wedding, ...

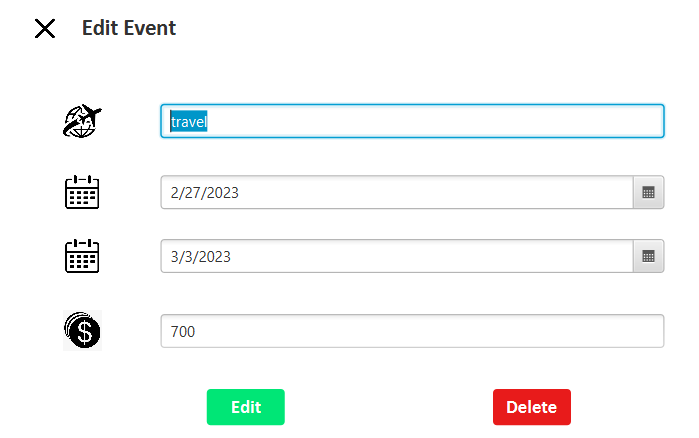
* + - 1. Add Event

This page help user add new event in your plan.

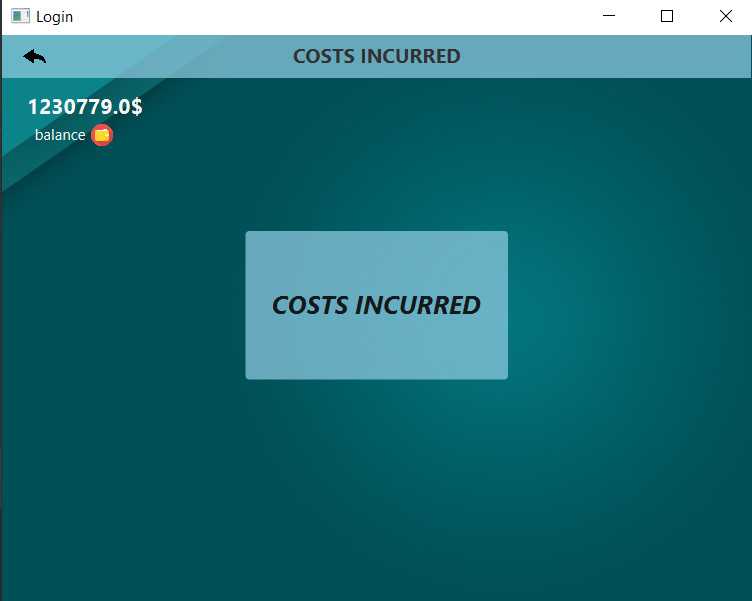


* + - 1. Edit Event

This page can edit information event for user add.

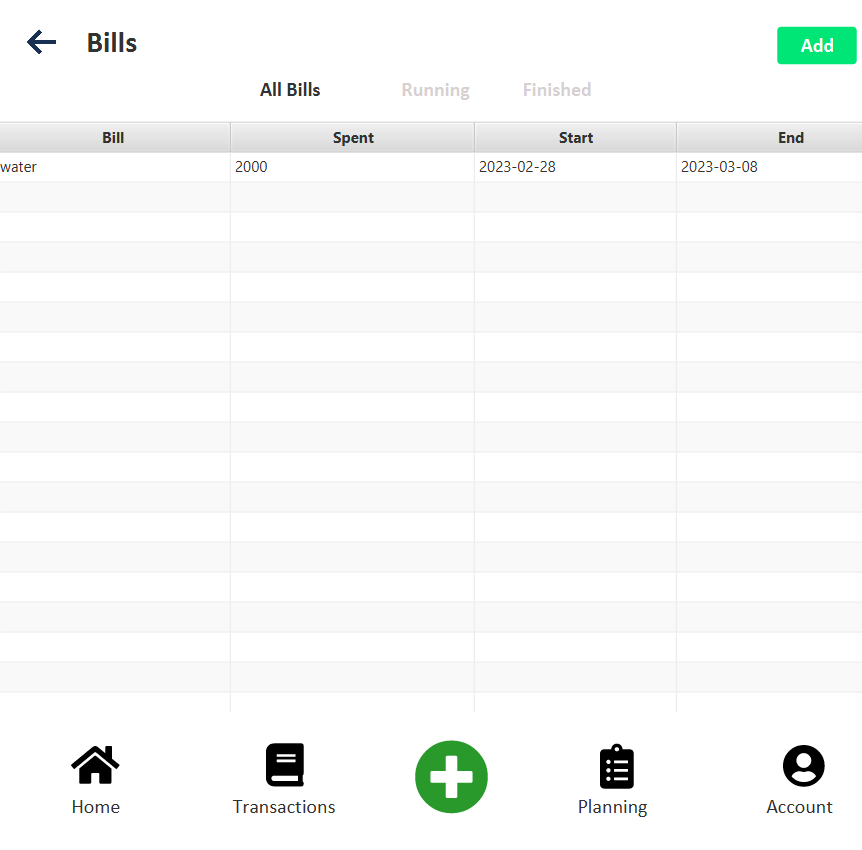


* + 1. Recurring Transactions



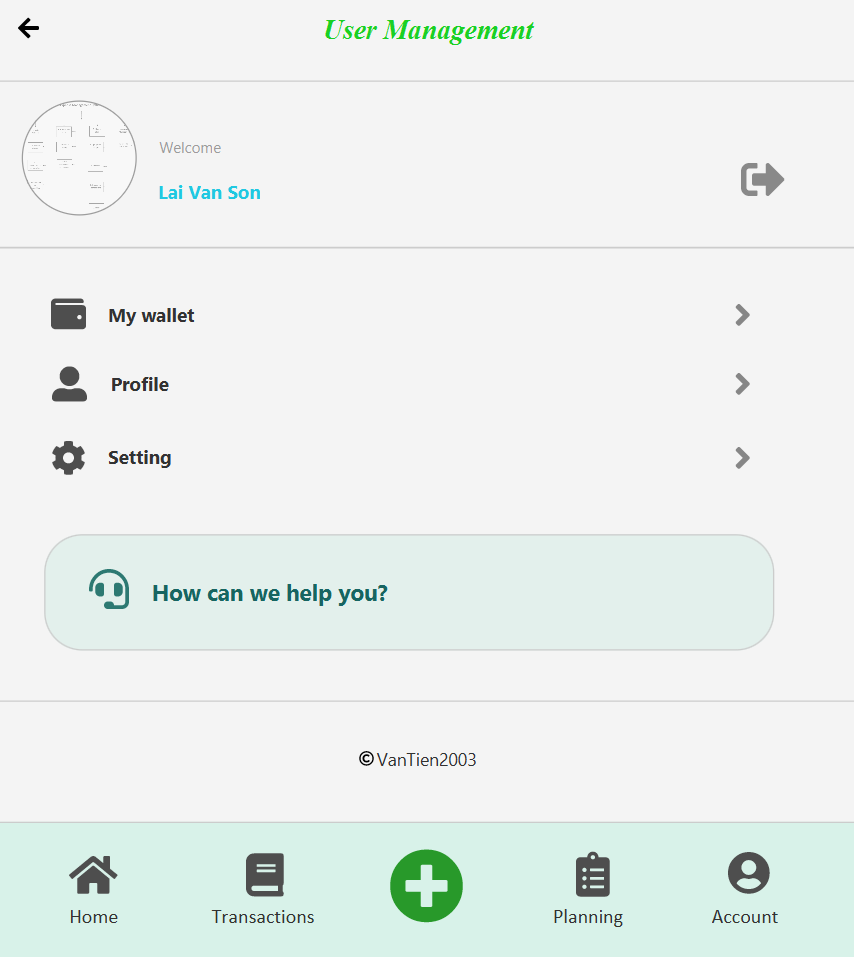
This feature allows users to plan on expenses that are considered fixed over time.

* + 1. Bills



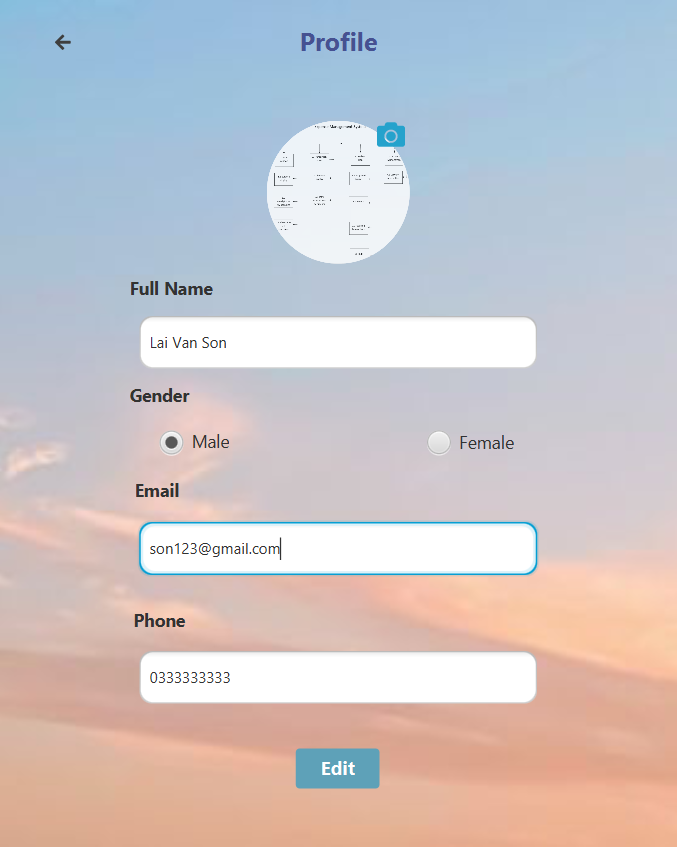
This feature allows users to view and control their bills such as water, electricity, network, collection, etc...

* 1. User Management



This page allows users to manage their personal information and user can logout account.

* + 1. User Profile



This page allows users to edit basic information that users use when performing new account registration.