

Tony Stank
October 2, 2024

Personal Finance Manager Component Table

Component	Responsibility	Interacts with
Initialize Account Chart	Initialize the account chart by template or the user uploading a csv file.	<ul style="list-style-type: none">● Account database● User Dashboard
User Dashboard	Show menu options for the user to interact with the account.	<ul style="list-style-type: none">● <<subsystem >> Account Management● <<subsystem >> Transaction Management● <<subsystem >> Budget Management
Add Account	Create a new account that contains <ul style="list-style-type: none">- Account type- Account name- Account ID- Amount of money	<ul style="list-style-type: none">● Account Database● <<subsystem >> Account Management
Delete Account	Remove the available account and all the information inside the database of the account.	<ul style="list-style-type: none">● Account Database● <<subsystem >> Account Management
Show Account Balance	Show account current balance from: <ul style="list-style-type: none">- All account- Select account	<ul style="list-style-type: none">● Account Database● <<subsystem >> Account Management
Account Database	Store account information including: <ul style="list-style-type: none">- Account type- Account name- Account ID- Balance	<ul style="list-style-type: none">● Initialize Account Database● Add Account● Delete Account● Show Account balance
Add Transaction	Record the new information about the transaction including:	<ul style="list-style-type: none">● <<subsystem >> Transaction Management

	<ul style="list-style-type: none"> - Source account - Destination account - Amount - Date - Description 	<ul style="list-style-type: none"> • Transaction database
Delete Transaction	Remove the selected transaction and all its details from the database.	<ul style="list-style-type: none"> • Transaction Database • <<subsystem >> Transaction Management
View Transaction	View a list of all transactions and their details that's stored in the database within the selected account.	<ul style="list-style-type: none"> • Transaction Database • <<subsystem >> Transaction Management
Search For Transaction	Search for a transaction that happens on a given date from any accounts.	<ul style="list-style-type: none"> • Transaction Database • <<subsystem >> Transaction Management
Transaction Database	Stores all the list of transaction for all account including its details: <ul style="list-style-type: none"> - Source account - Destination account - Amount - Date - Description 	<ul style="list-style-type: none"> • Add Transaction • Delete Transaction • View Transaction • Search For Transaction
Creating Budget	Add a new amount of money in categories of budget contain <ul style="list-style-type: none"> - Amount - Description (optional) 	<ul style="list-style-type: none"> • Budget Database • <<subsystem >> Budget Management
Modify Budget	Enable the user to change the budget information that user wanted to set.	<ul style="list-style-type: none"> • Budget Database • <<subsystem >> Budget Management
View Budget Report	Use the information from the budget database to show Pie Chart of each budget category.	<ul style="list-style-type: none"> • Budget Database • <<subsystem >> Budget Management
Budget Database	Stores all lists of budgets created by the user.	<ul style="list-style-type: none"> • Creating Budget • Modify Budget • View Budget Report

