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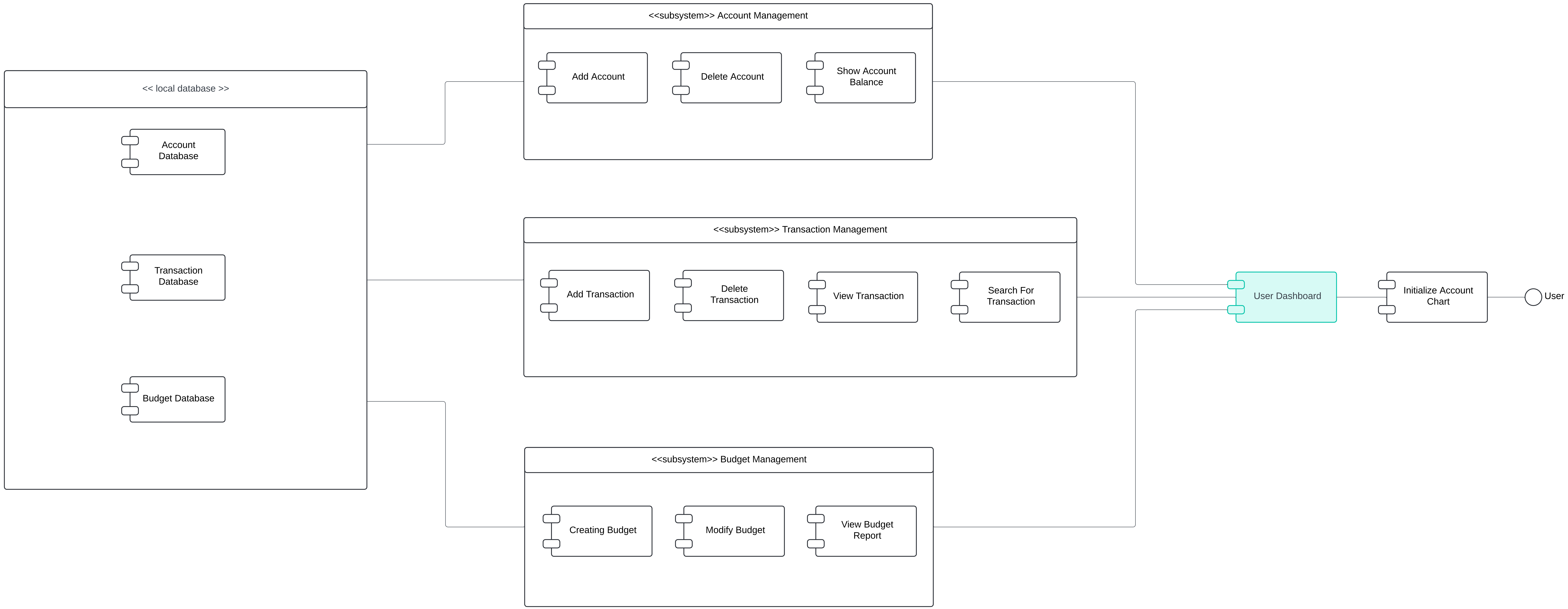
Personal Finance Manager Component Table

Component	Responsibility	Interacts with
Initialize Account Chart	Initialize the account chart by template or the user uploading a csv file.	• Account database • User Dashboard
User Dashboard	Show menu options for the user to interact with the account.	• <<subsystem >> Account Management • <<subsystem >> Transaction Management • <<subsystem >> Budget Management
Add Account	Create a new account that contains - Account type - Account name - Account ID - Amount of money	• << local database >> Account Database • <<subsystem >> Account Management
Delete Account	Remove the available account and all the information inside the database of the account.	• << local database >> Account Database • <<subsystem >> Account Management
Show Account Balance	Show account current balance from: - All account - Select account	• << local database >> Account Database • <<subsystem >> Account Management
<< local database >> Account Database	Store account information including: - Account type - Account name - Account ID - Balance	• Initialize Account Database • Add Account • Delete Account • Show Account balance
Add Transaction	Record the new information about the transaction including: - Source account - Destination account - Amount - Date	• <<subsystem >> Transaction Management • << local database >> Transaction database

	- Description	
Delete Transaction	Remove the selected transaction and all its details from the database.	● << local database >> 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.	● << local database >> Transaction Database ● <<subsystem >> Transaction Management
Search For Transaction	Search for a transaction that happens on a given date from any accounts.	● << local database >> Transaction Database ● <<subsystem >> Transaction Management
<< local database >> Transaction Database	Stores all the list of transaction for all account including its details: - Source account - Destination account - Amount - Date - Description	● Add Transaction ● Delete Transaction ● View Transaction ● Search For Transaction
Creating Budget	Add a new amount of money in categories of budget contain - Amount - Description (optional)	● << local database >> Budget Database ● <<subsystem >> Budget Management
Modify Budget	Enable the user to change the budget information that user wanted to set.	● Budget Database ● <<subsystem >> Budget Management
View Budget Report	Use the information from the budget database to show Pie Chart of each budget category.	● Budget Database ● <<subsystem >> Budget Management
<< local database >> Budget Database	Stores all lists of budgets created by the user.	● Creating Budget ● Modify Budget ● View Budget Report


<< local database >>
Account Database
Transaction Database
Budget Database
<<subsystem>> Account Management
Add Account
Delete Account
Show Account Balance
<<subsystem>> Transaction Management
Add Transaction
Delete Transaction
View Transaction
Search For Transaction
<<subsystem>> Budget Management
Creating Budget
Modify Budget
View Budget Report
User Dashboard
Initialize Account Chart
User