ASE 420 Design Document

Project Title: Personal Budget and Expense Tracker

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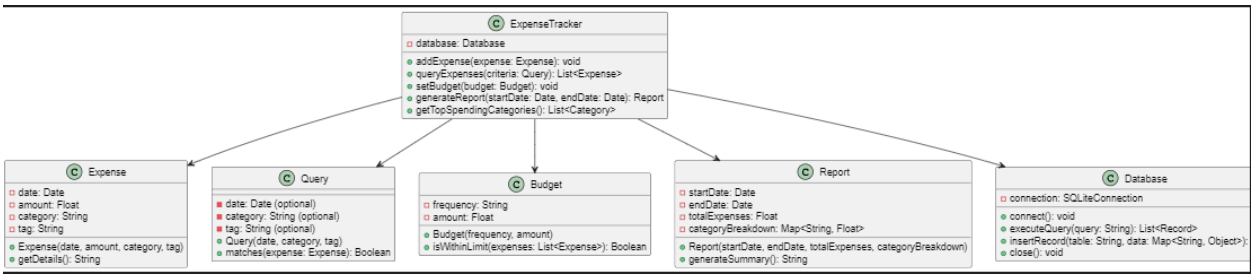
Course: ASE 420 – Software Design

Project Description -

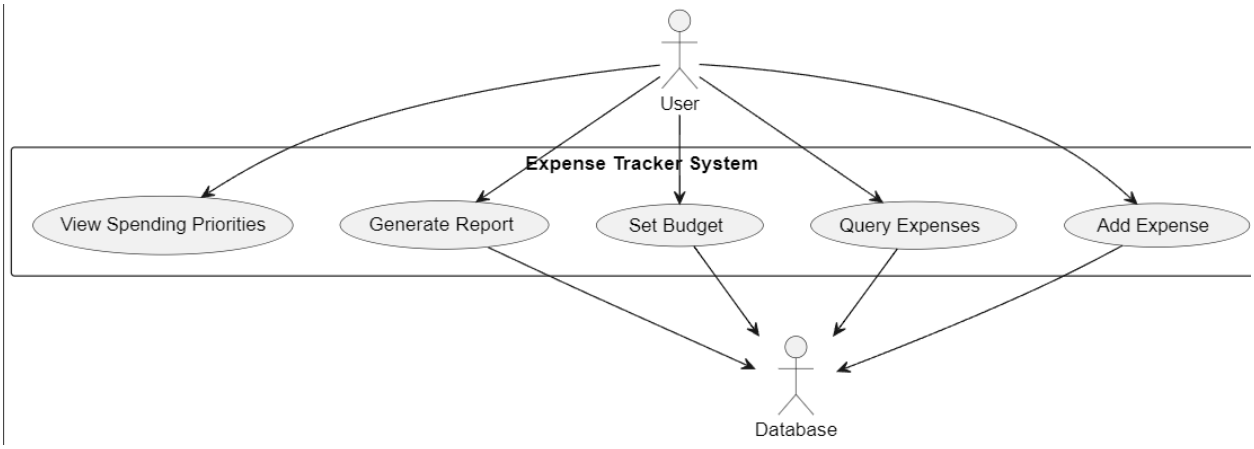
Our project is a personal budget and expense tracker that helps users track and budget their expenses. Users can add, query, and log expenses in a simple CLI. Users can also add these expenses with specific details such as date, amount, and category. The program also lets users set their budget and track it by generating a report that shows the status of their expenses and budget.

Project Design Diagrams -

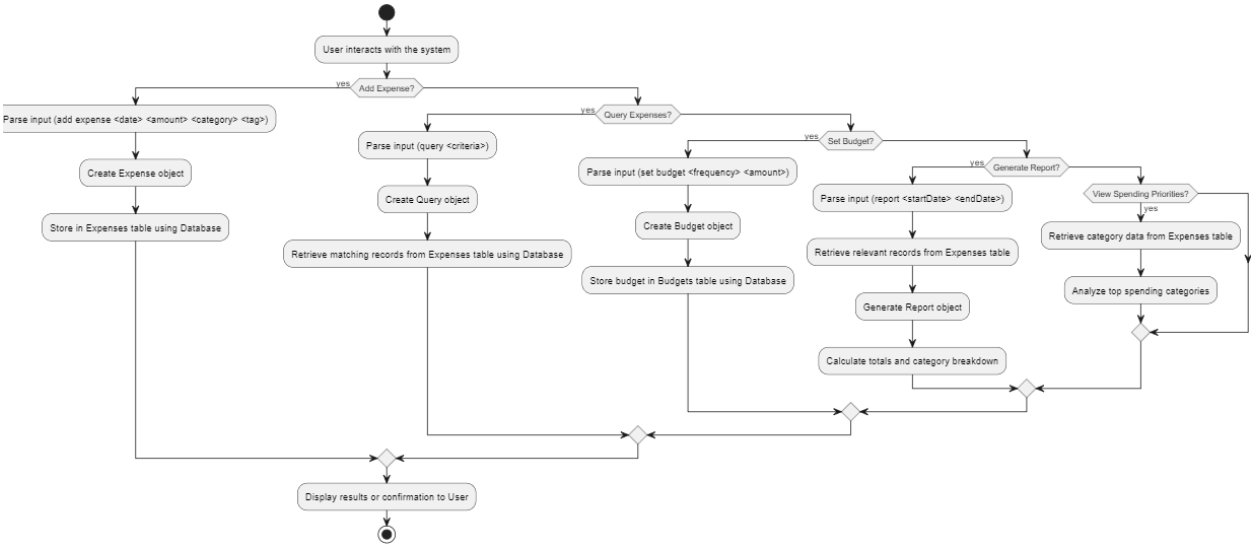
Relational UML:



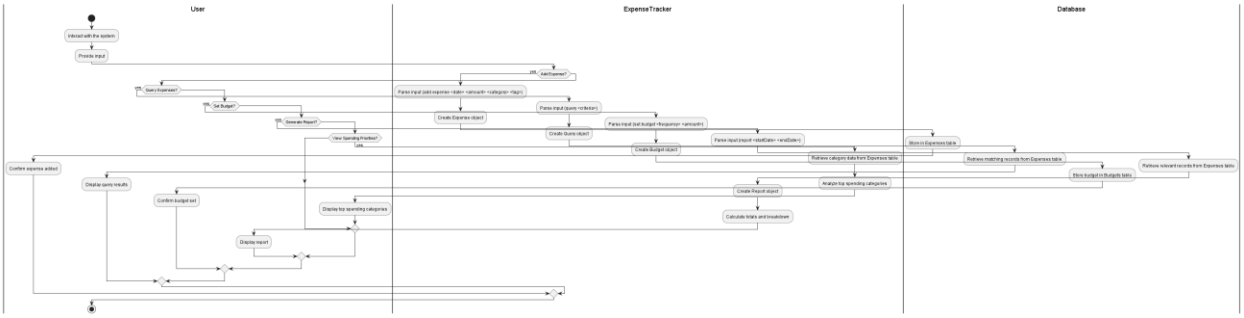
Use Case:



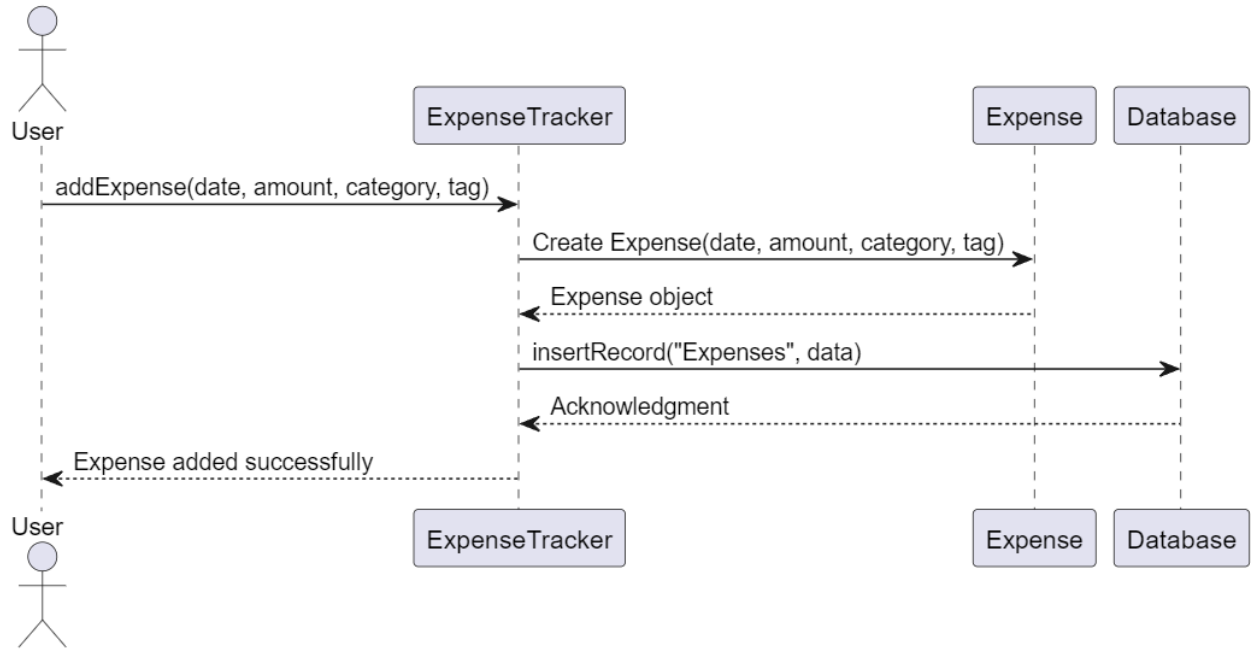
Activity diagram:



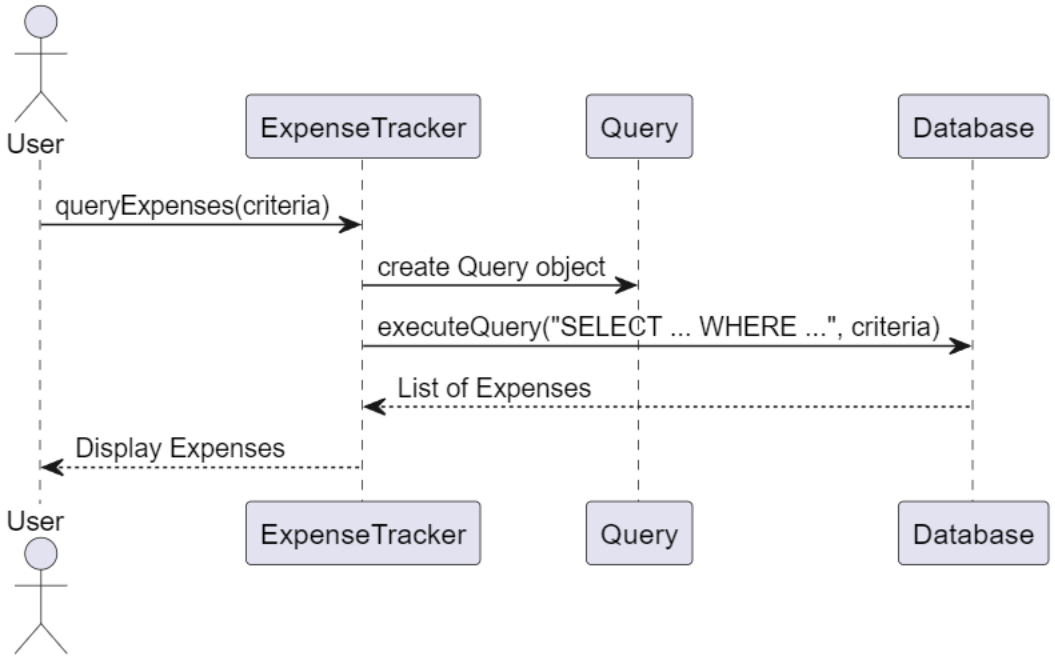
Swimlane diagram:



Expense sequence diagram:



Query sequence diagram:


User
ExpenseTracker
Query
Database
queryExpenses(criteria)
create Query object
executeQuery("SELECT ... WHERE ...", criteria)
List of Expenses
Display Expenses
User
ExpenseTracker
Query
Database