

# POCKETGUARD

PRESENTED BY: TEAM 14

PARVATHI RAJESH (43)

SNEHALEKSHMI A N (49)

SWATHI A V (52)

SURJITH A P (75)

PROJECT GUIDE

DR. AJISH KUMAR K. S.



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# MOTIVATION

Young adults and college students often struggle to manage finances efficiently. Balancing expenses like tuition, rent, and daily needs can be overwhelming.

Existing Systems' Shortcomings:

Current budgeting tools often don't meet our preferences and needs. They can be complex, lack user-friendliness, or fail to provide relevant insights.

Need for Tailored Solutions:

There's a clear demand for a budgeting tool tailored to our generation's preferences. "PocketGuard" aims to address these challenges and offer a user-friendly platform for effective financial management.

# PROBLEM STATEMENT

In today's digital age, many struggle with managing personal finances, especially young adults and professionals. They face issues like overspending, lack of savings, and financial stress. This affects everyday activities like shopping and bill payments, hindering short-term goals and long-term financial security. A user-friendly budget tracking tool is urgently needed to address these challenges and provide guidance for better financial decisions.

# OBJECTIVE

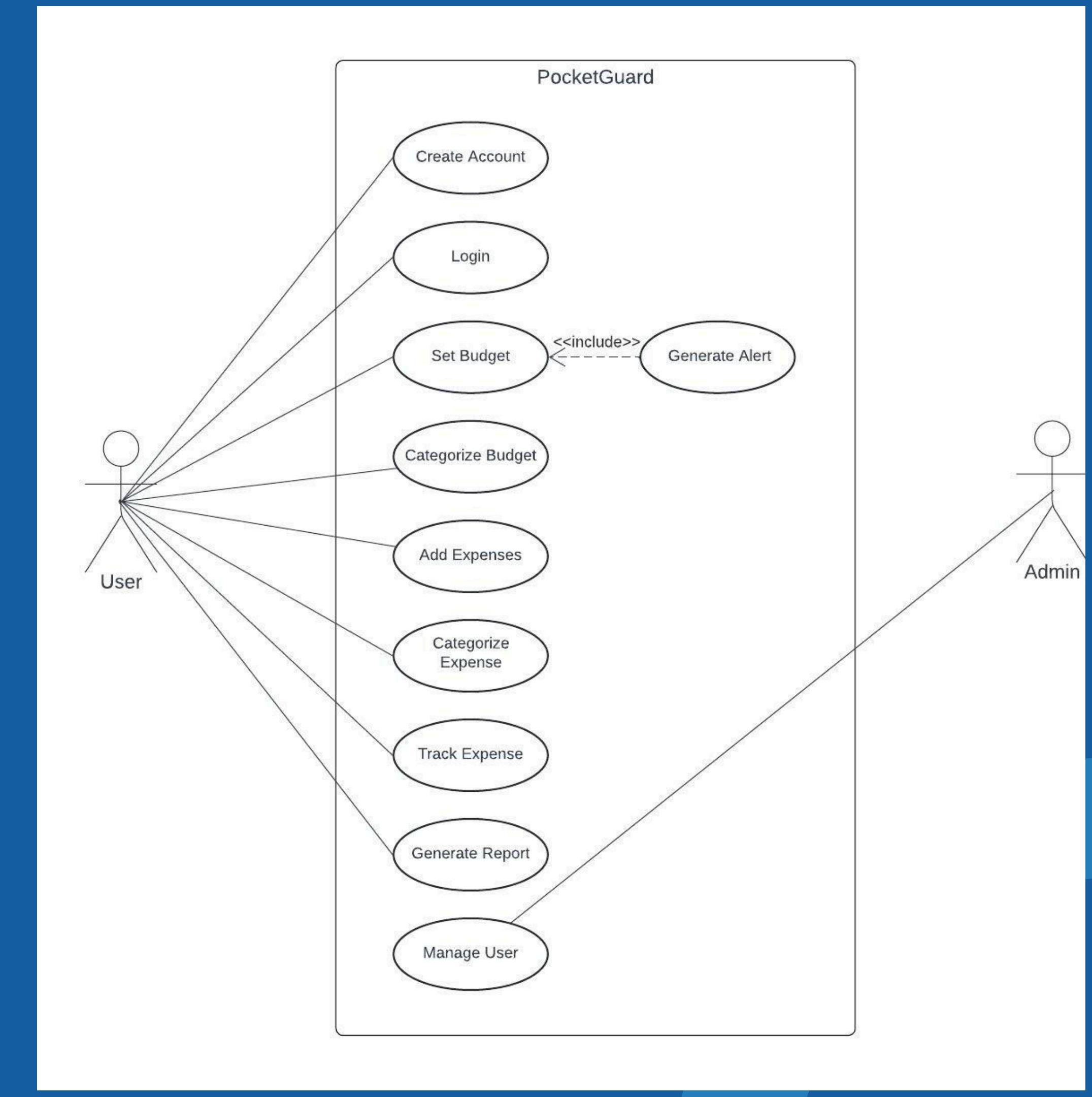
The project aims to develop a comprehensive financial management website, providing users with :

- tools for authentication
- budgeting
- expense tracking
- report generation

The objective is to empower users with real-time insights into their financial status, enabling them to make informed decisions. The project also seeks to ensure a user-friendly interface and robust security measures for a seamless and secure user experience

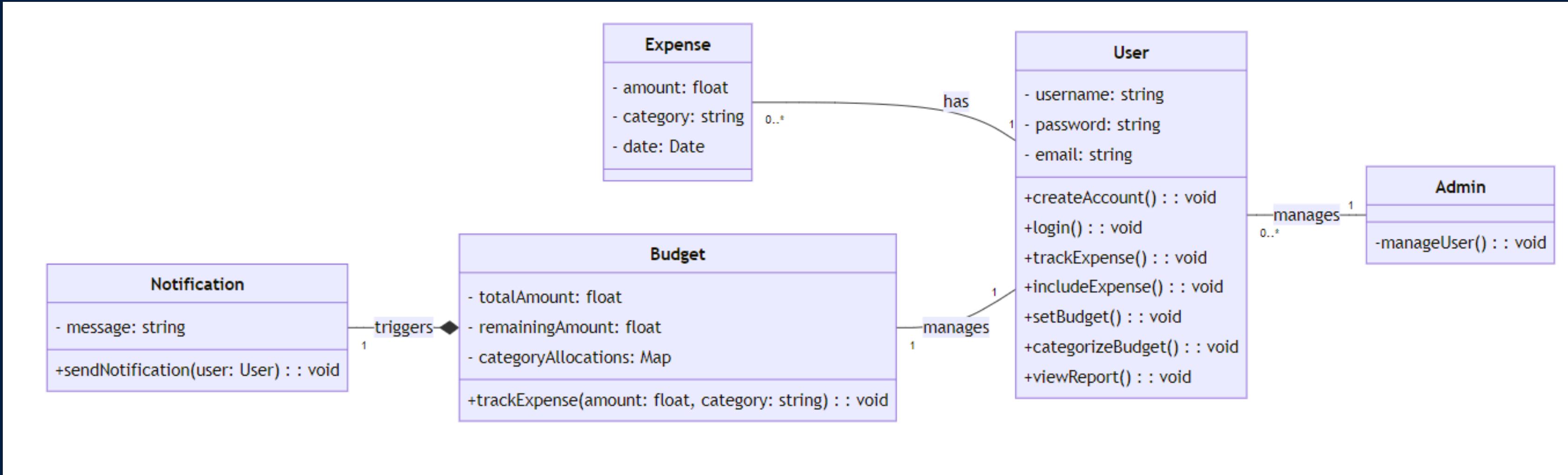
# SYSTEM DESIGN

## USECASE DIAGRAM



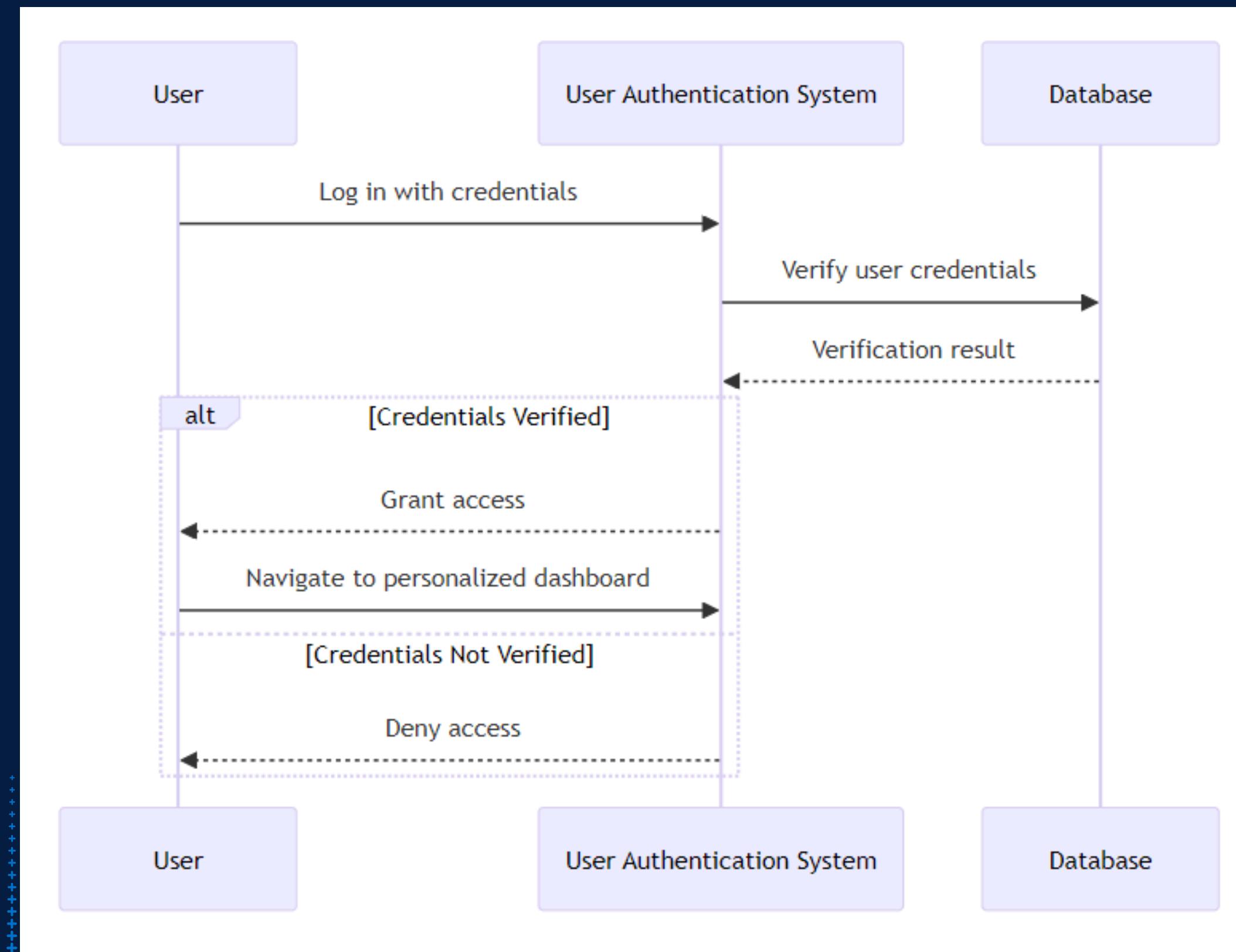
# SYSTEM DESIGN

# CLASS DIAGRAM



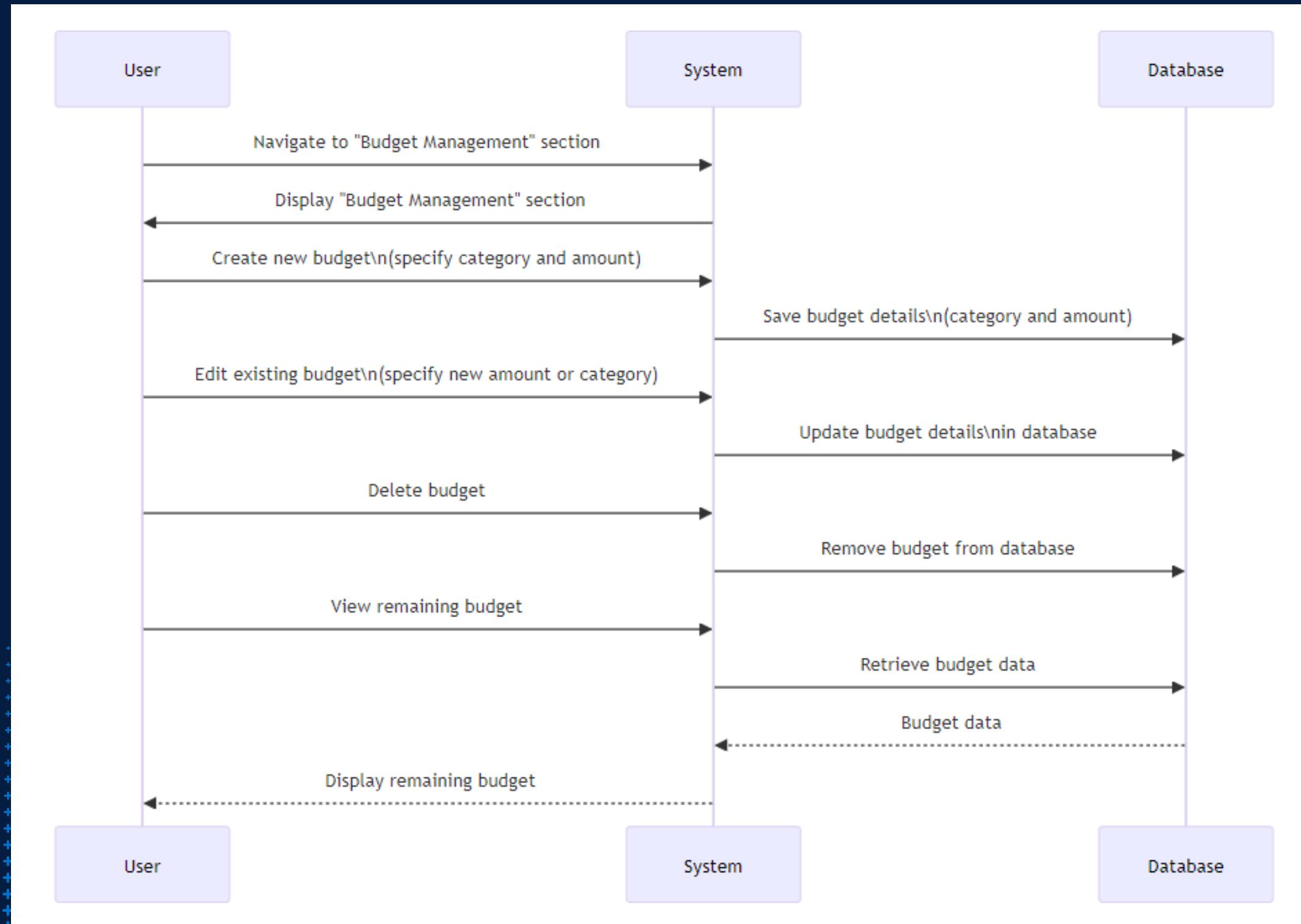
# SYSTEM DESIGN

## SEQUENCE DIAGRAM - USER AUTHENTICATION

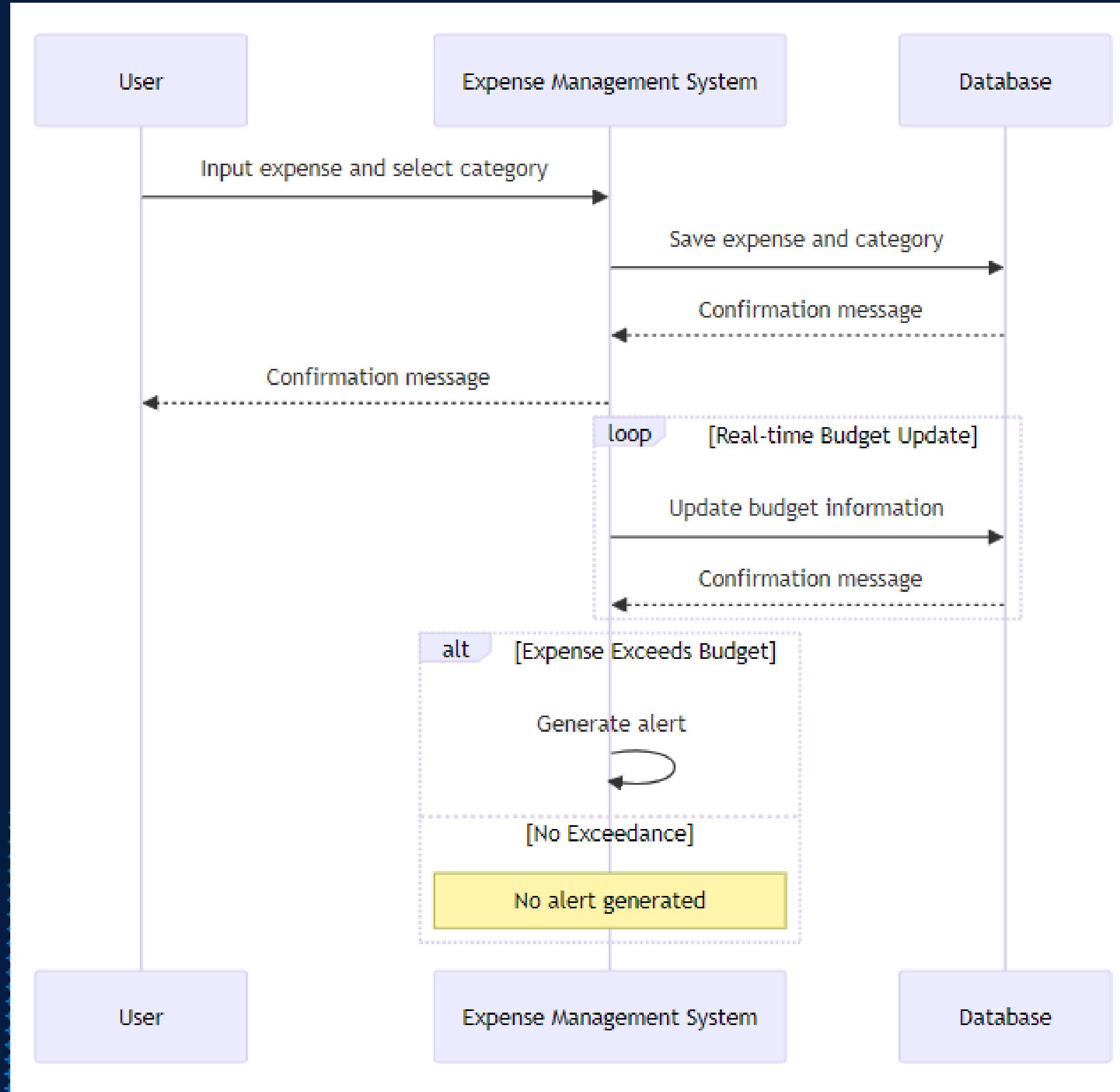


# SYSTEM DESIGN

## SEQUENCE DIAGRAM - BUDGET MANAGEMENT

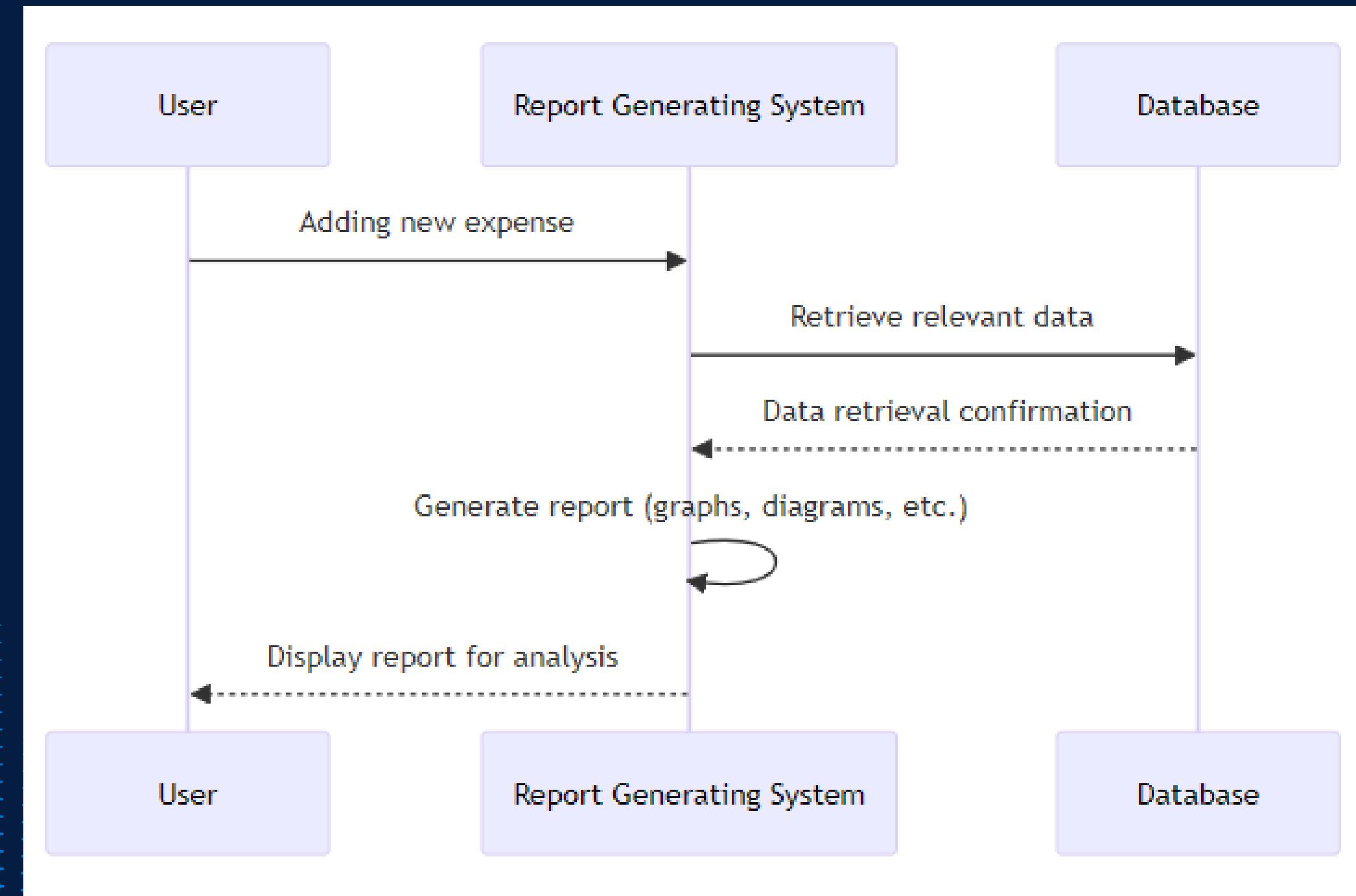


# SYSTEM DESIGN



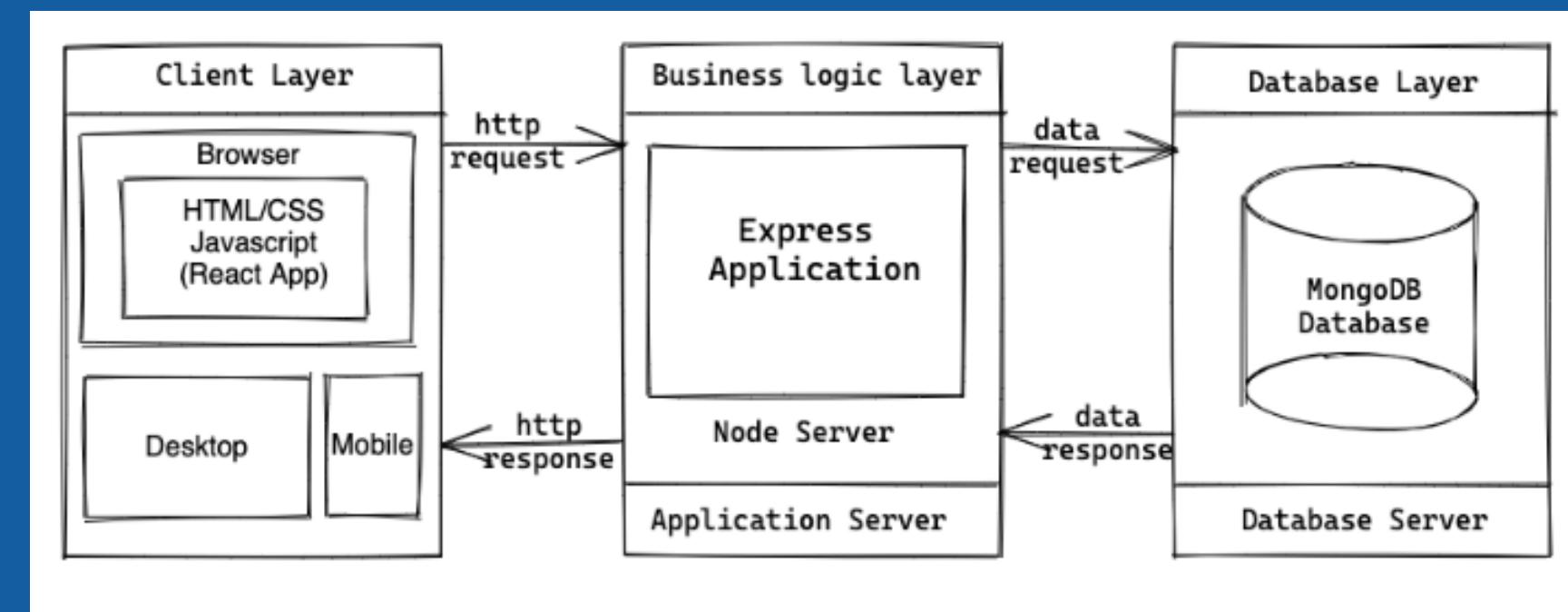
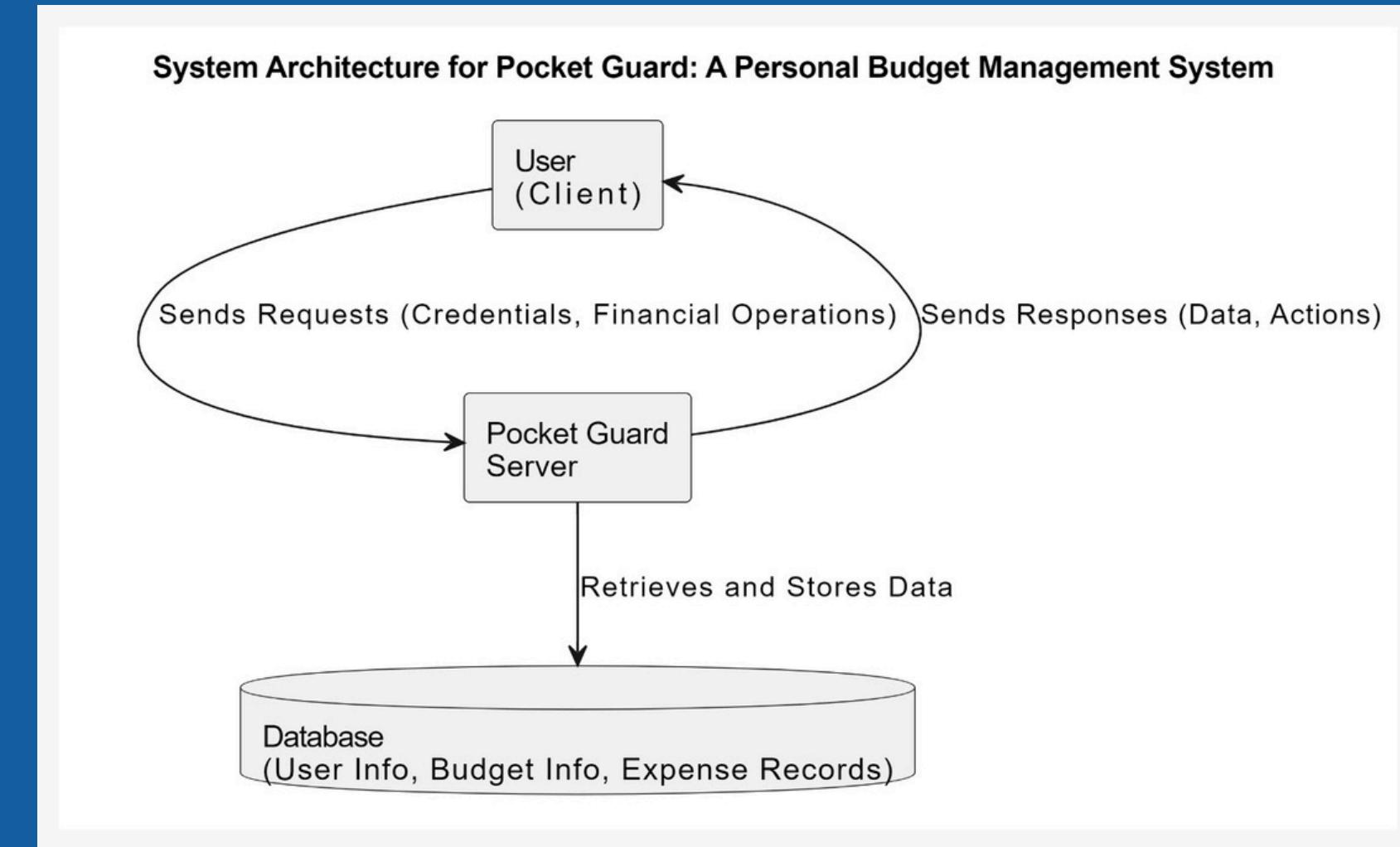
# SEQUENCE DIAGRAM EXPENSE MANAGEMENT

# SYSTEM DESIGN



# SYSTEM ARCHITECTURE

# BLOCK DIAGRAM



# REFERENCES

- [1] Matewos Kebede and Jasmeendep Kuar. "Financial literacy and management of personal finance: a review of recent literatures". In: ResearchJournal of Finance and Accounting 6.13 (2015), pp. 92–106.
- [2] Yogasnumurti, R.R., Sadalia, I. and Irawati, N., 2021. The effect of financial, attitude, and financial knowledge on the personal finance management of college students. In Proceedings of the 2nd Economics and Business International Conference-EBIC (pp. 649-657).