National University
Of Computer and Emerging Sciences

Project Deliverable 04

In partial fulfillment
of the requirement for the course of

Software Design and Analysis

By

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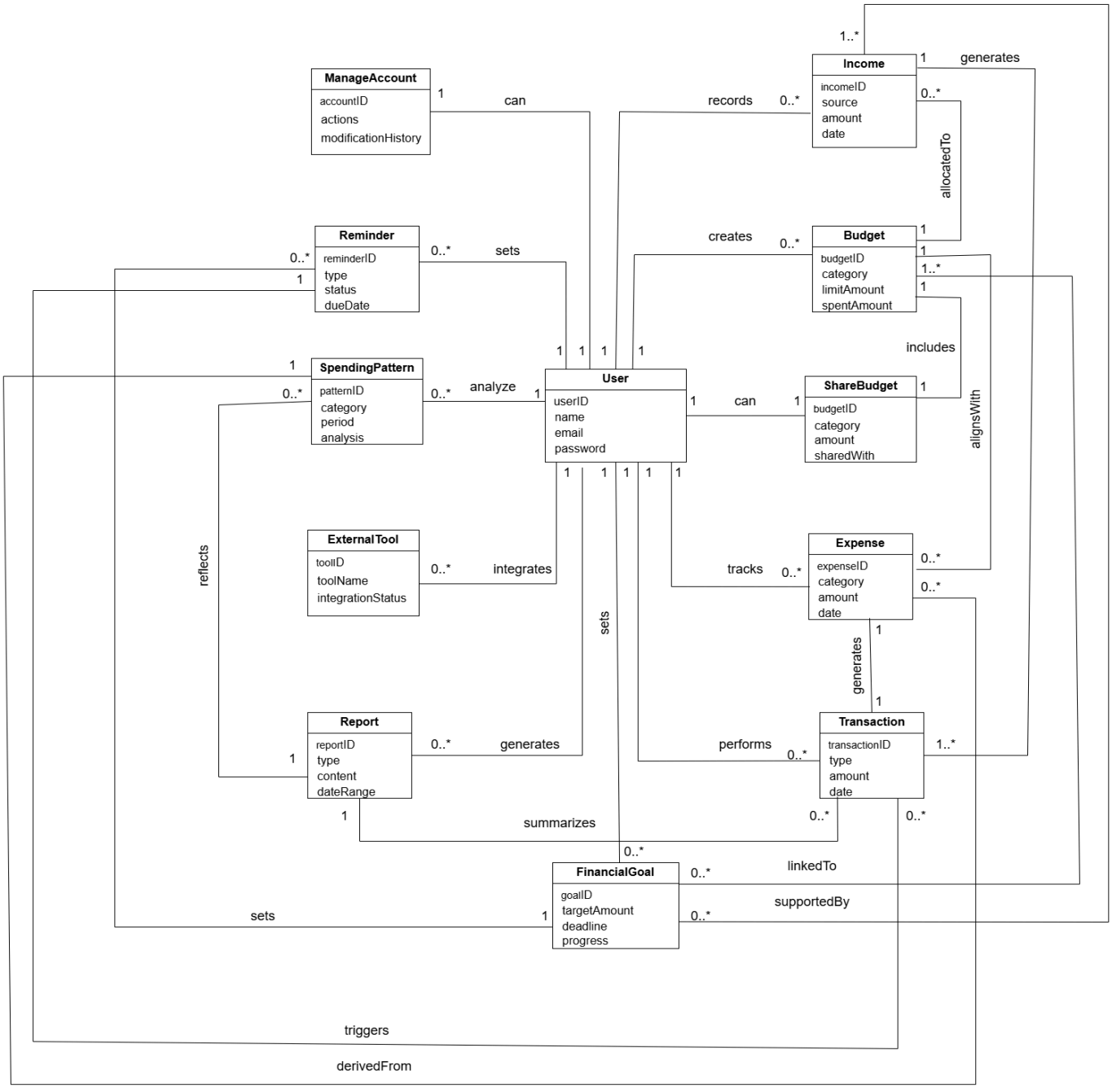
Rimsha Azam | 22i-1129
Umama Bajwa | 22i-1133

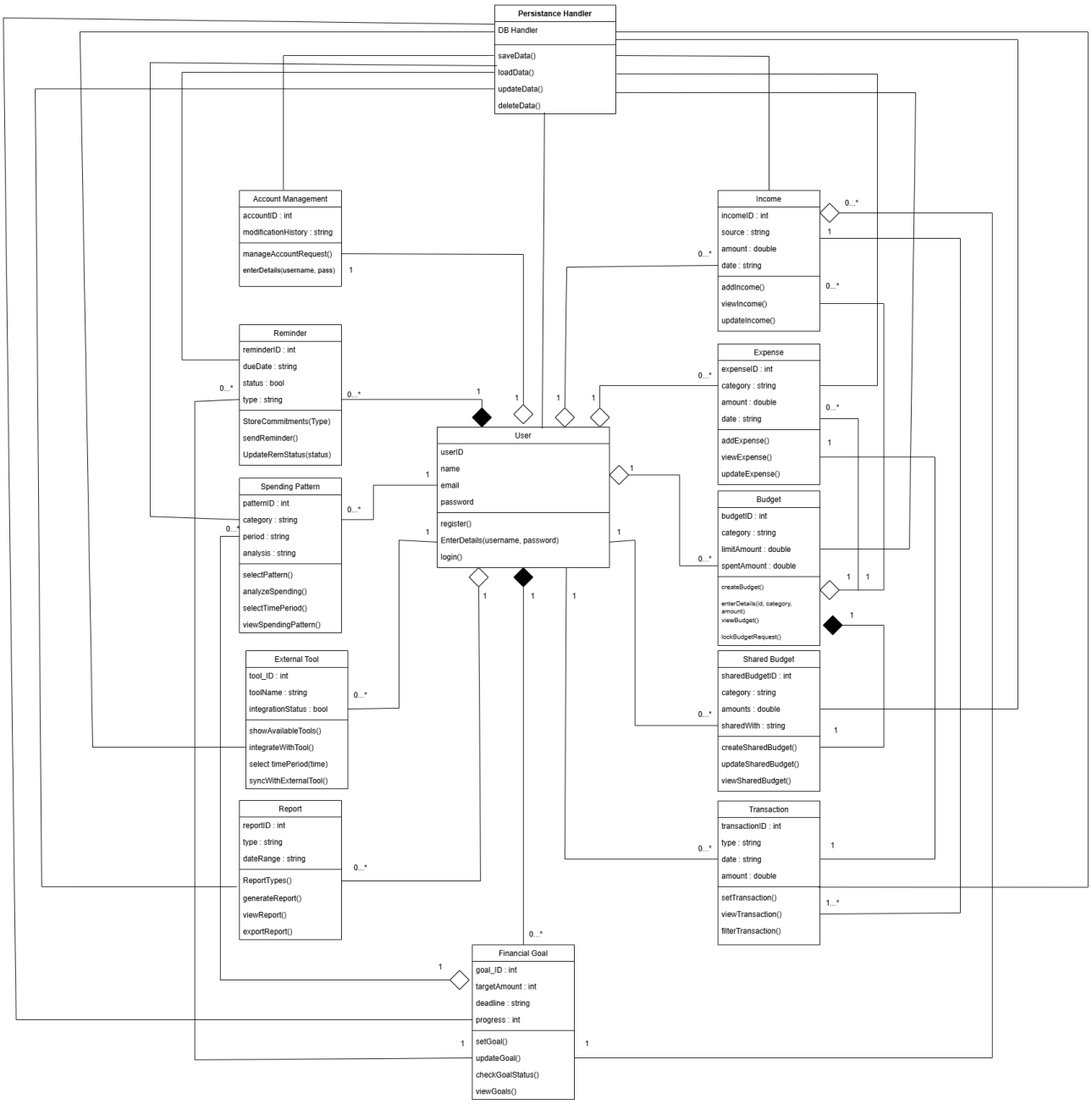
BSCS-C

Project: FinPlan - a budget management system

DOMAIN MODEL



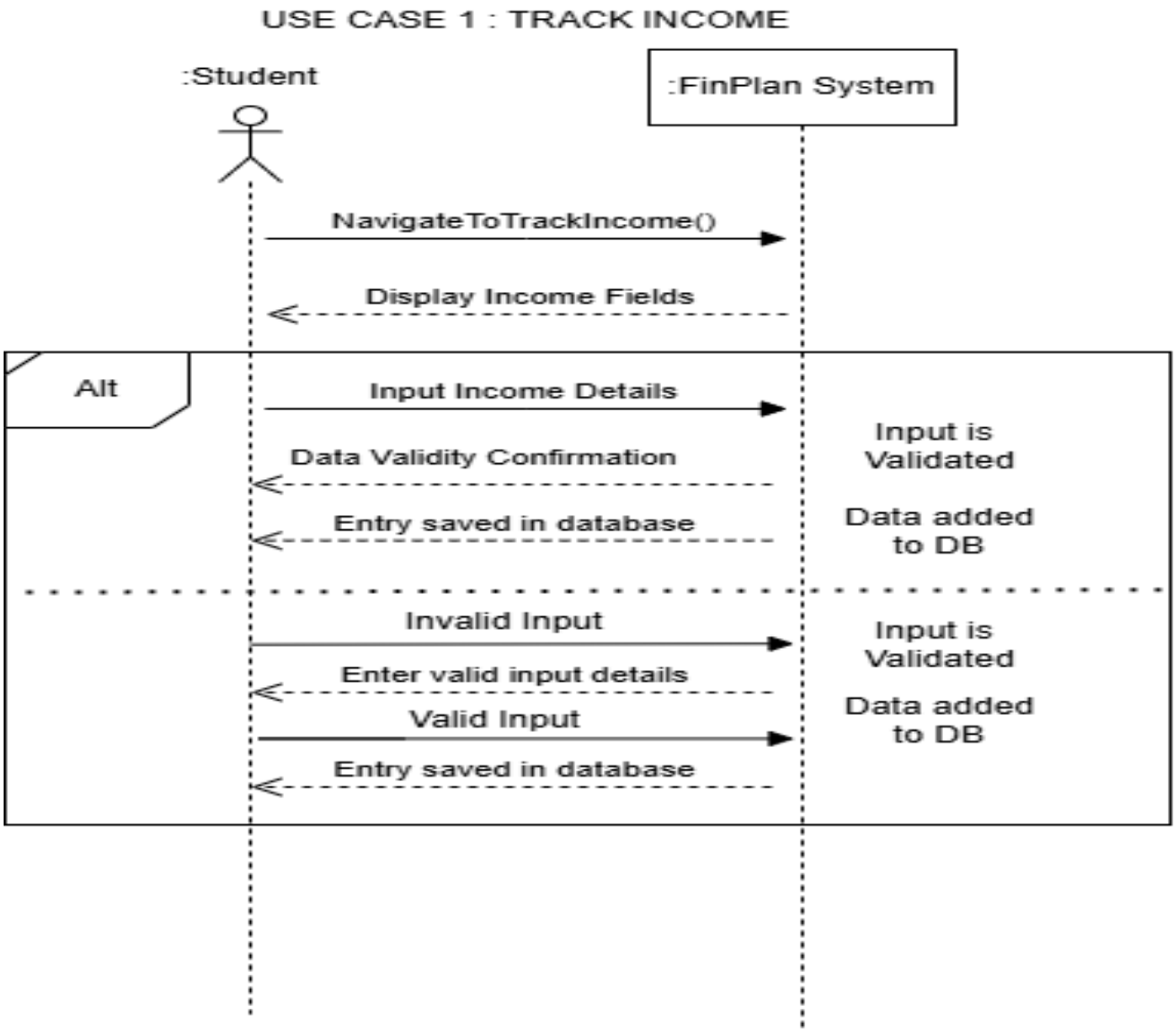
UML CLASS DIAGRAM



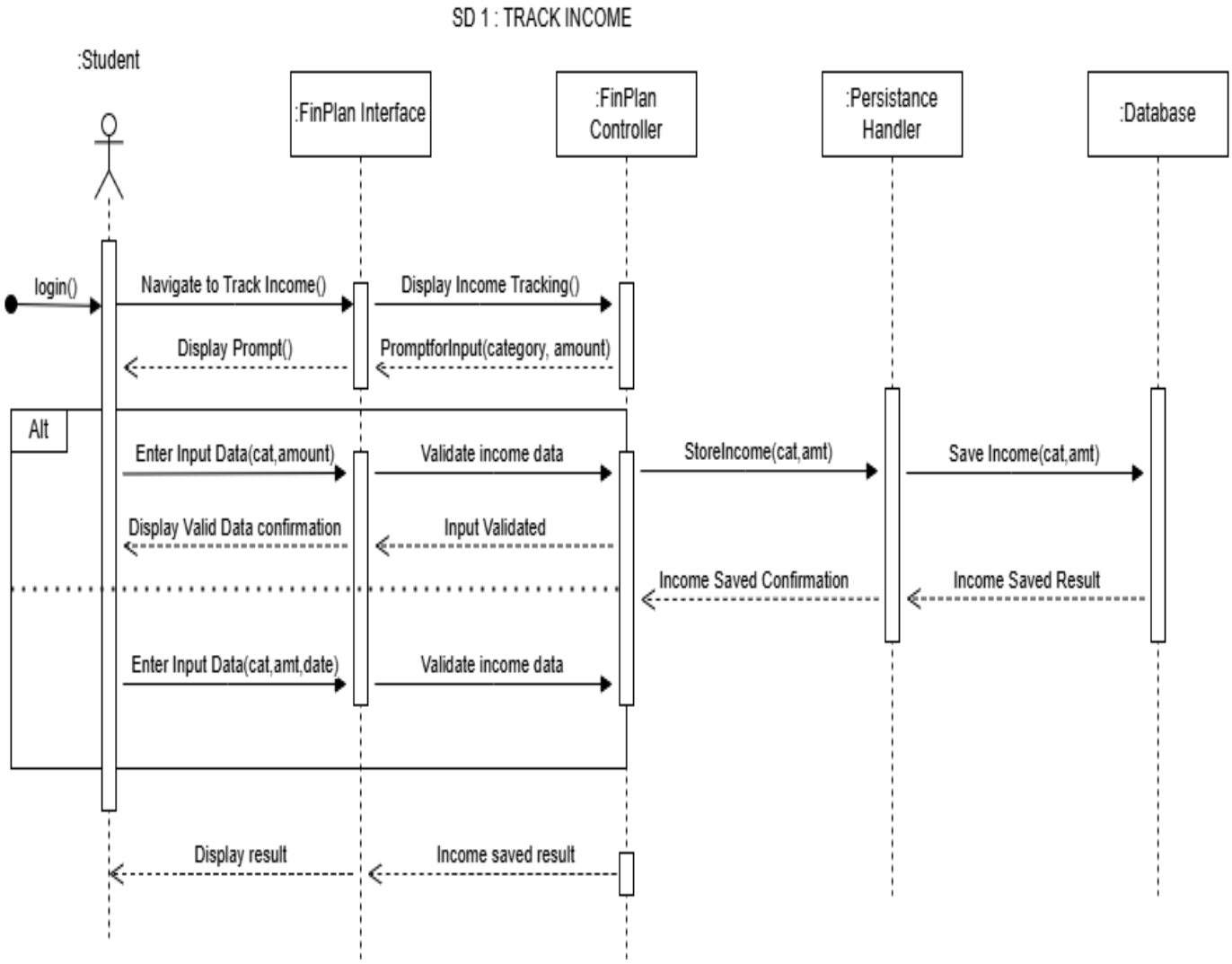
Use Case 01

Track Income (RIMSHA AZAM)

System Sequence Diagram:



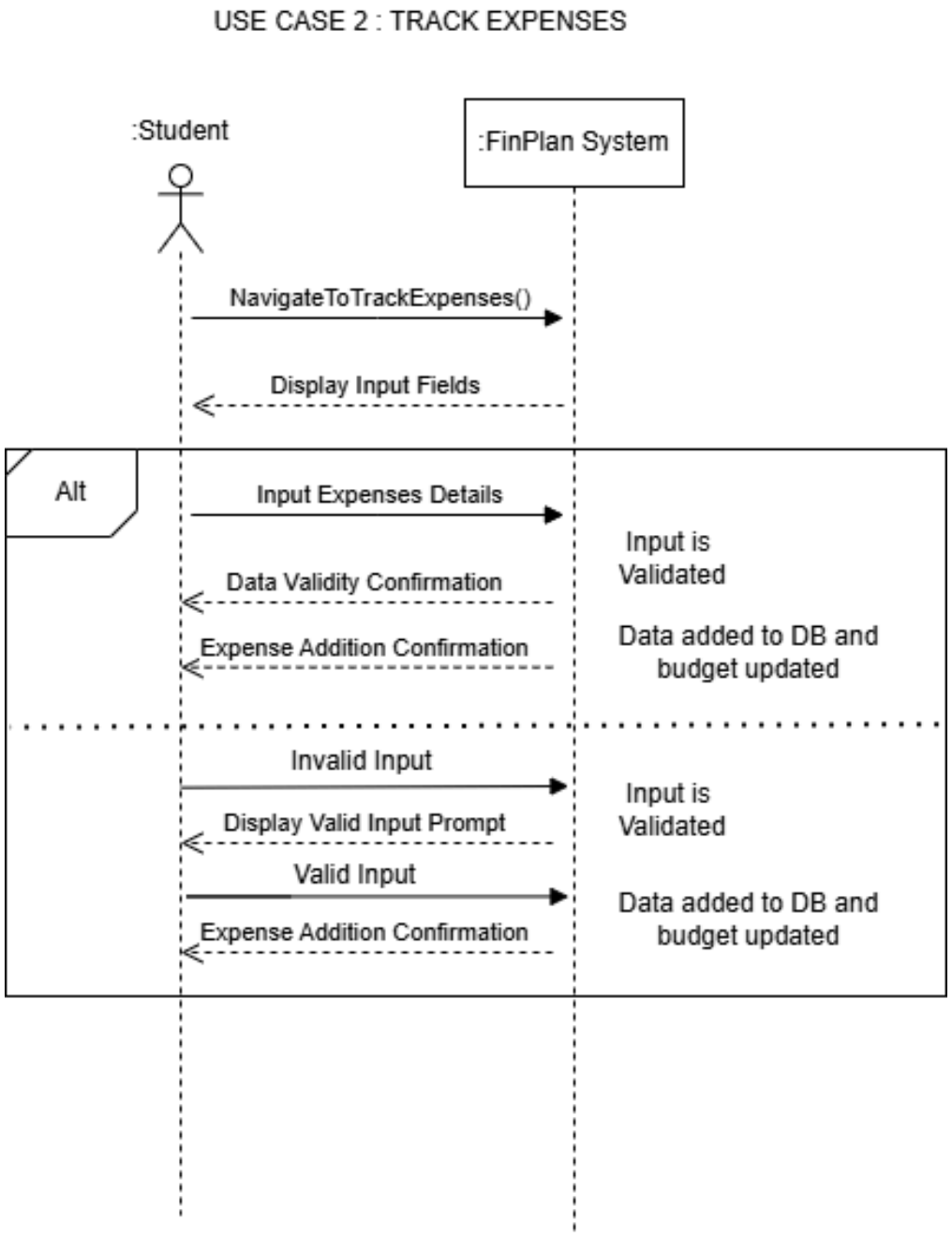
Sequence Diagram:



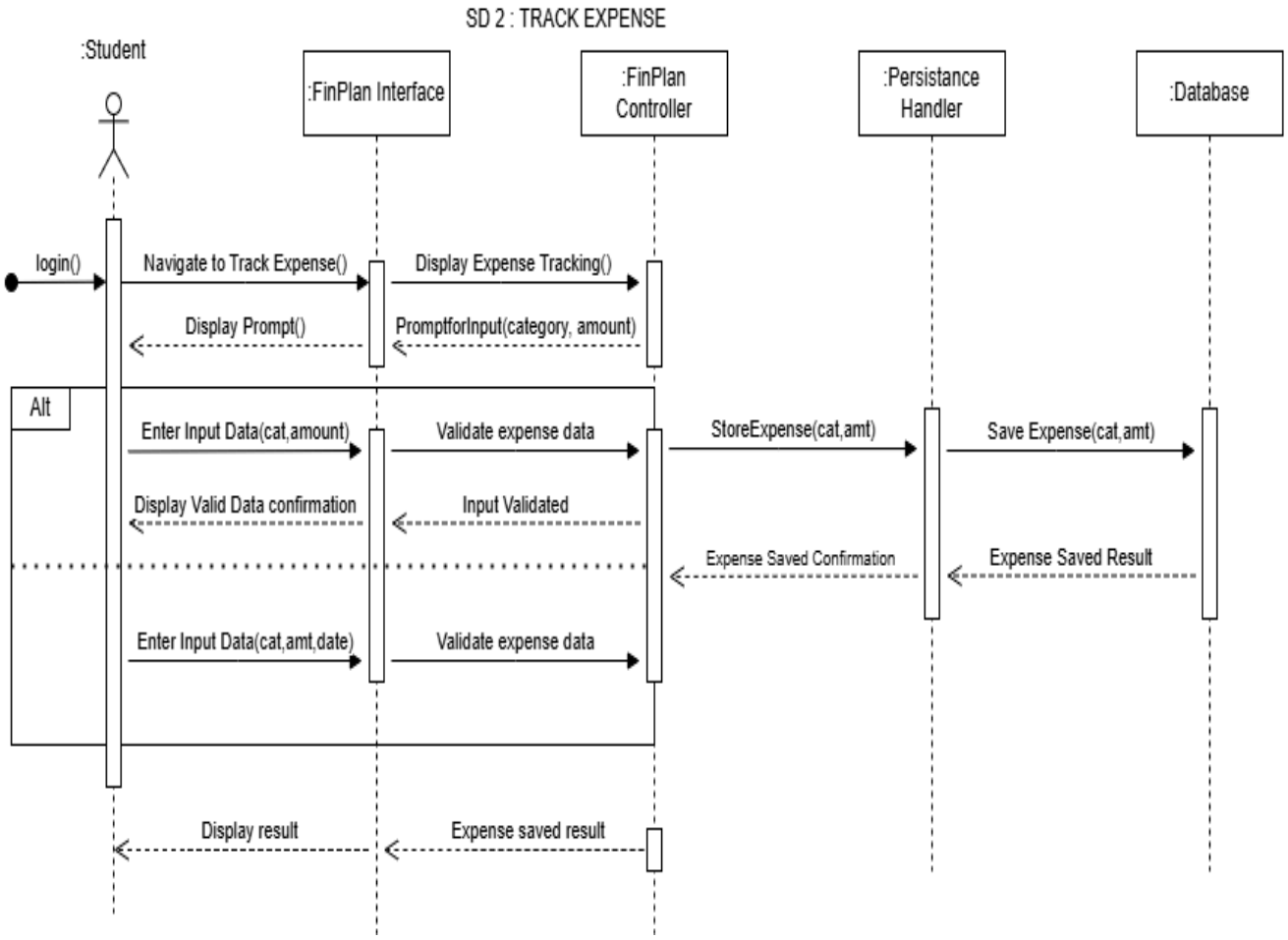
Use Case 02

Track Expense (RIMSHA AZAM)

System Sequence Diagram:



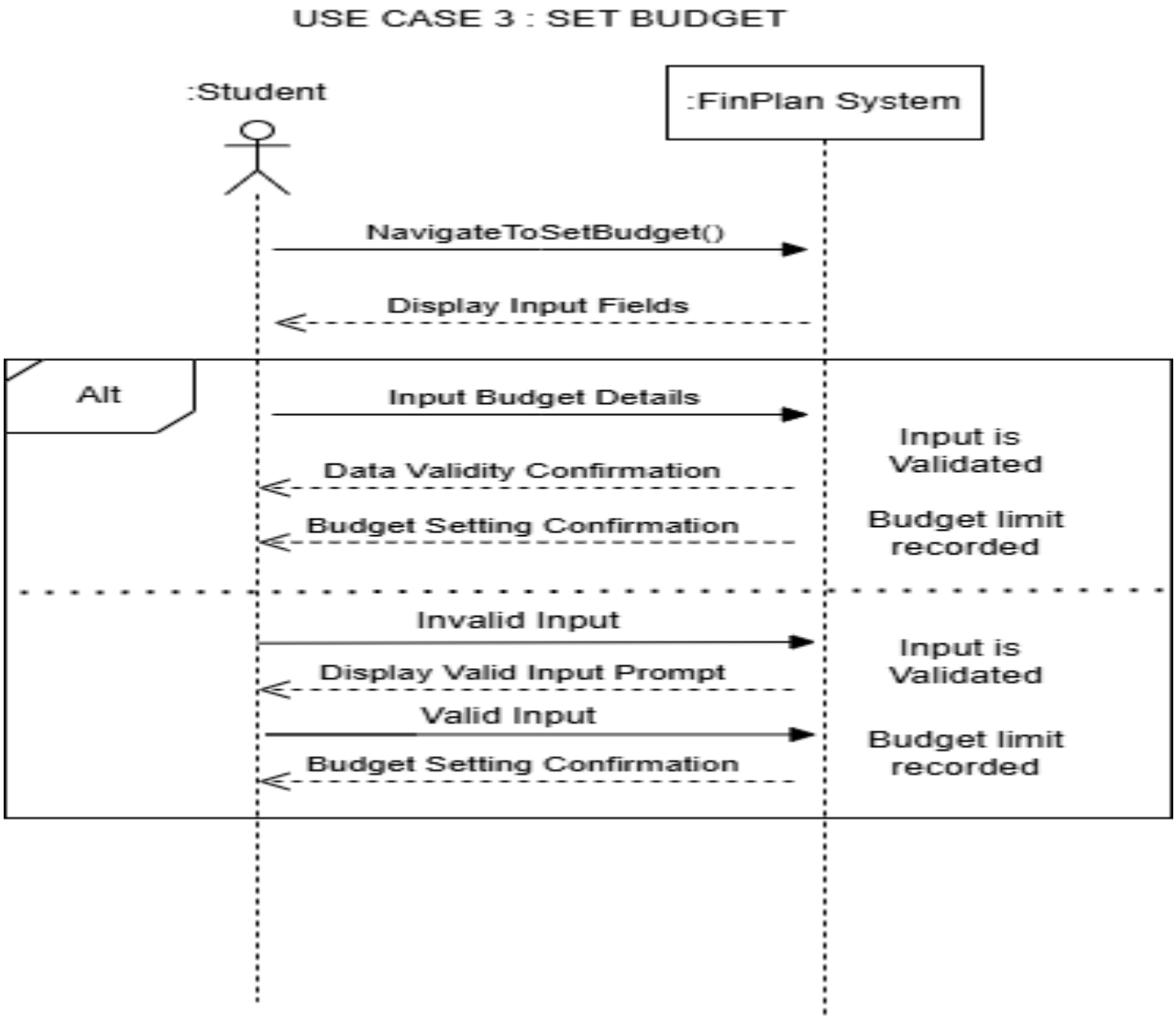
Sequence Diagram:



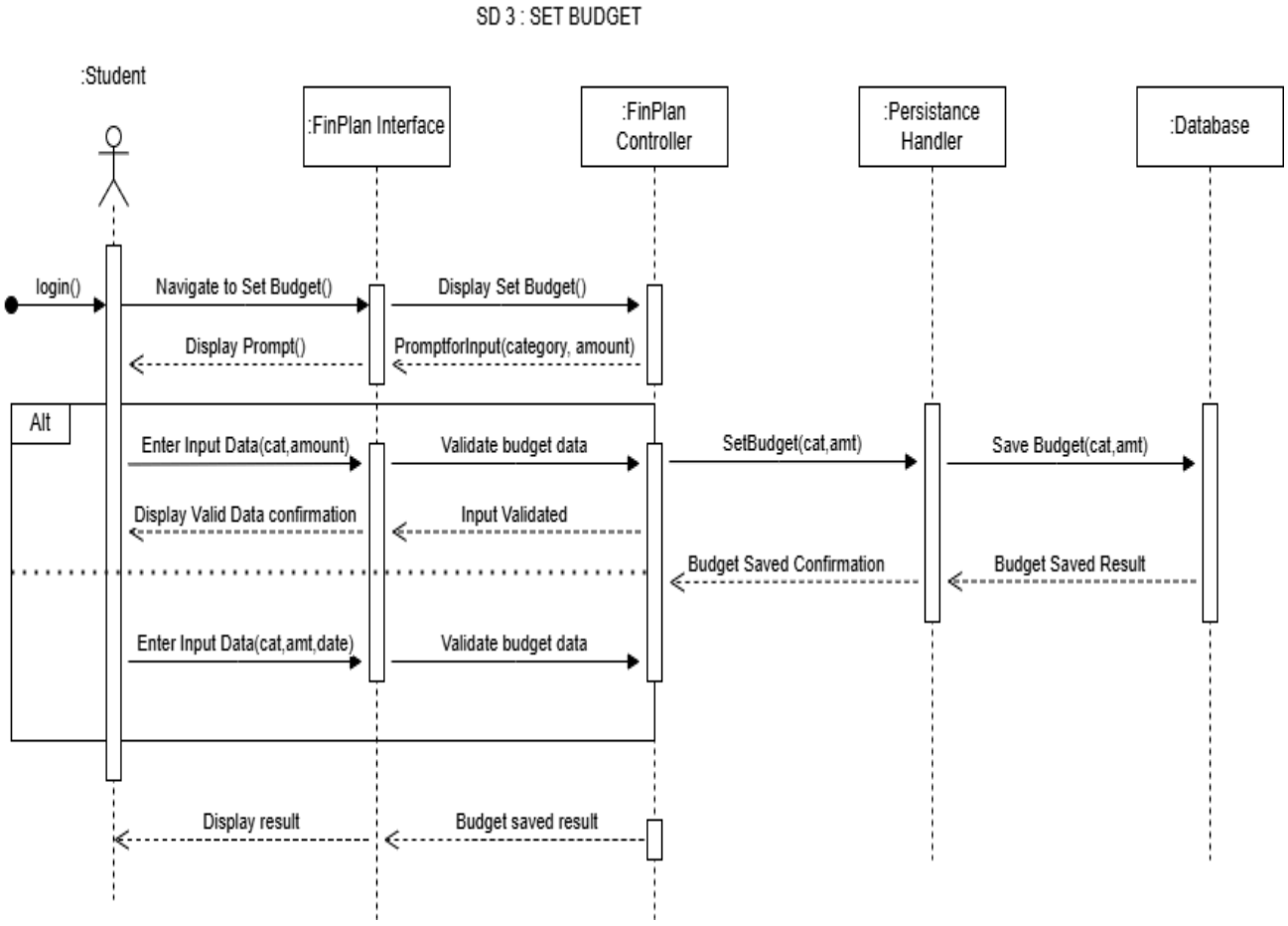
Use Case 03

Set Budget (RIMSHA AZAM)

System Sequence Diagram:



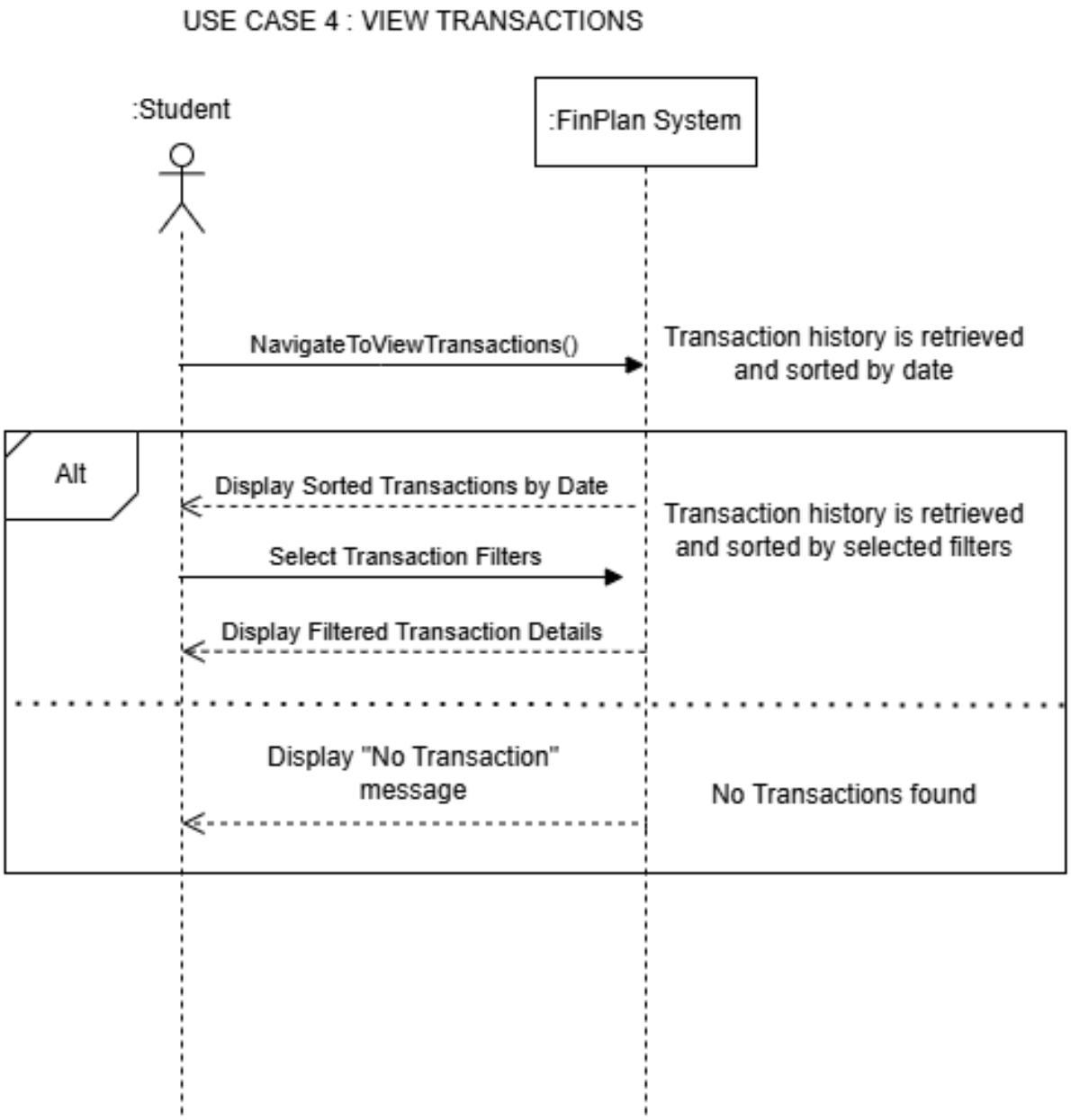
Sequence Diagram:



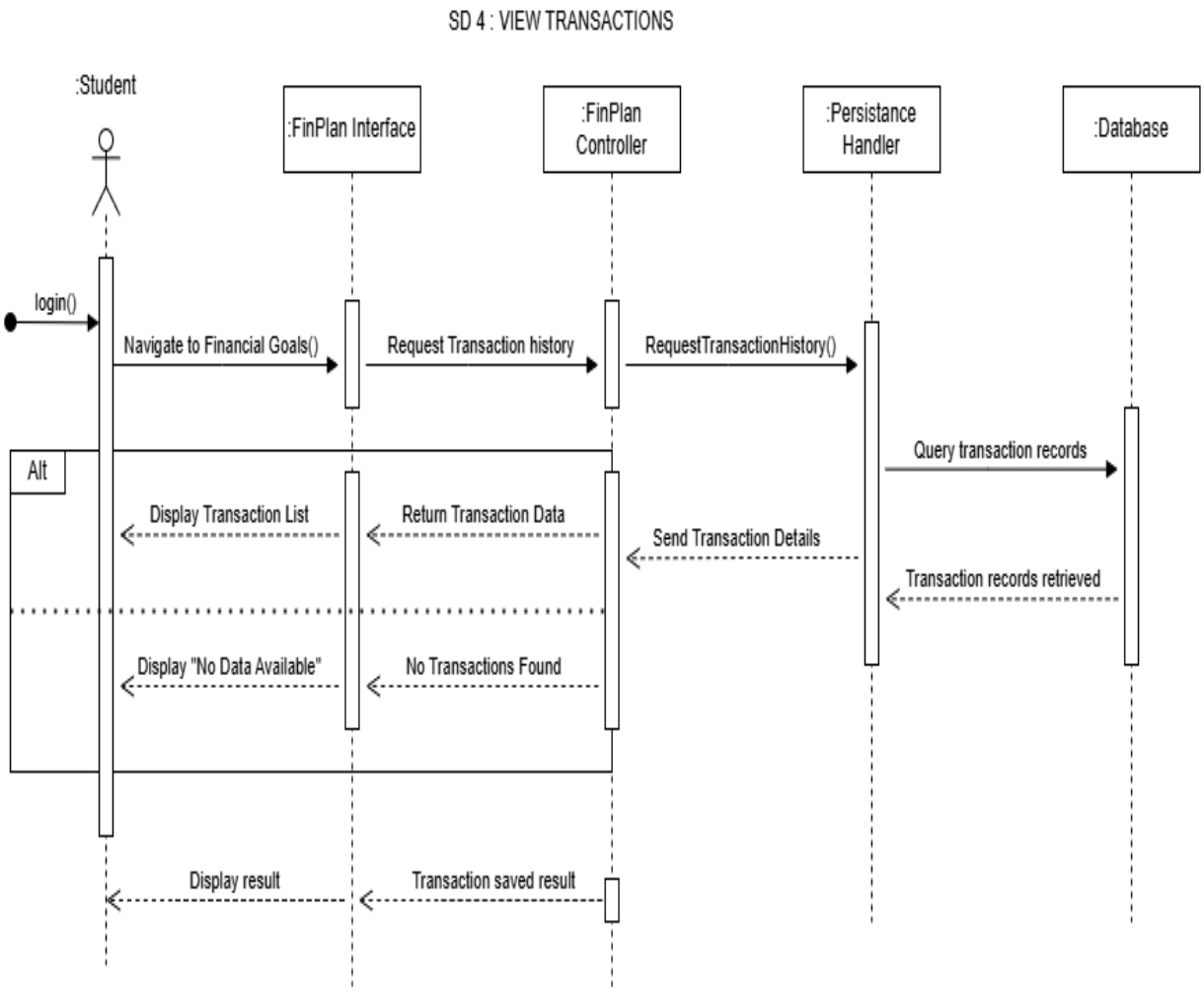
Use Case 04

View Transaction (RIMSHA AZAM)

System Sequence Diagram:



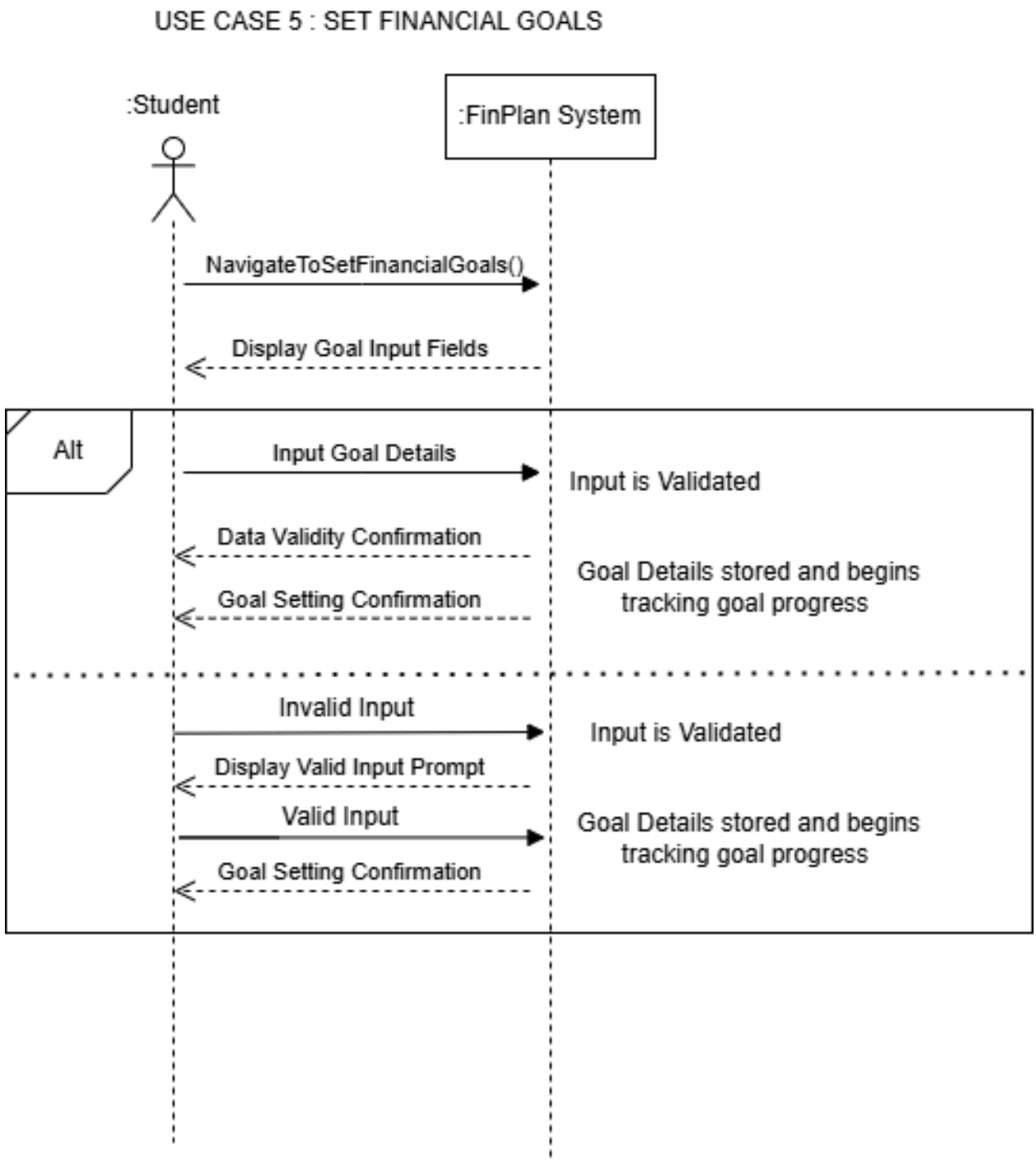
Sequence Diagram:



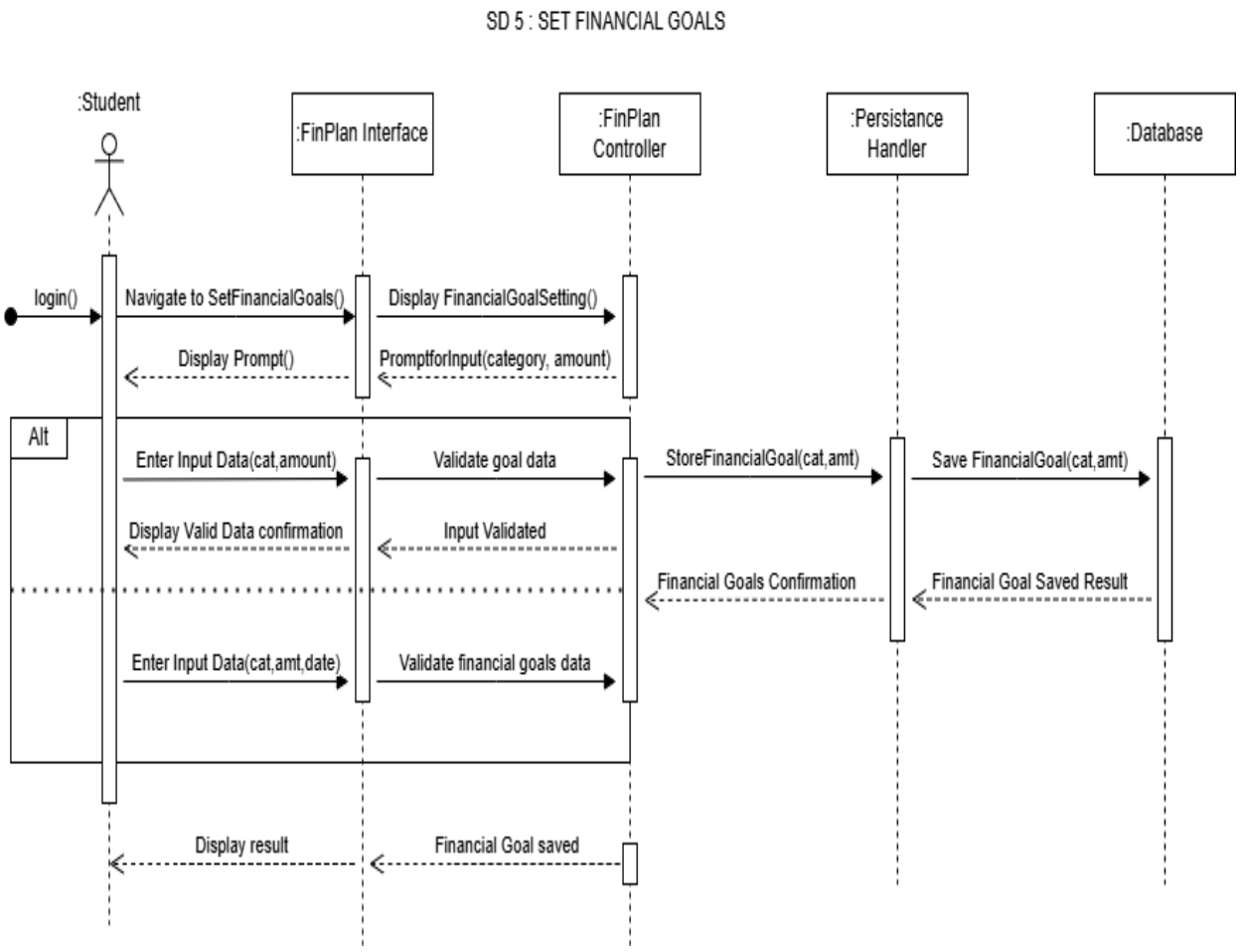
Use Case 05

Set Financial Goals (RIMSHA AZAM)

System Sequence Diagram:



Sequence Diagram:

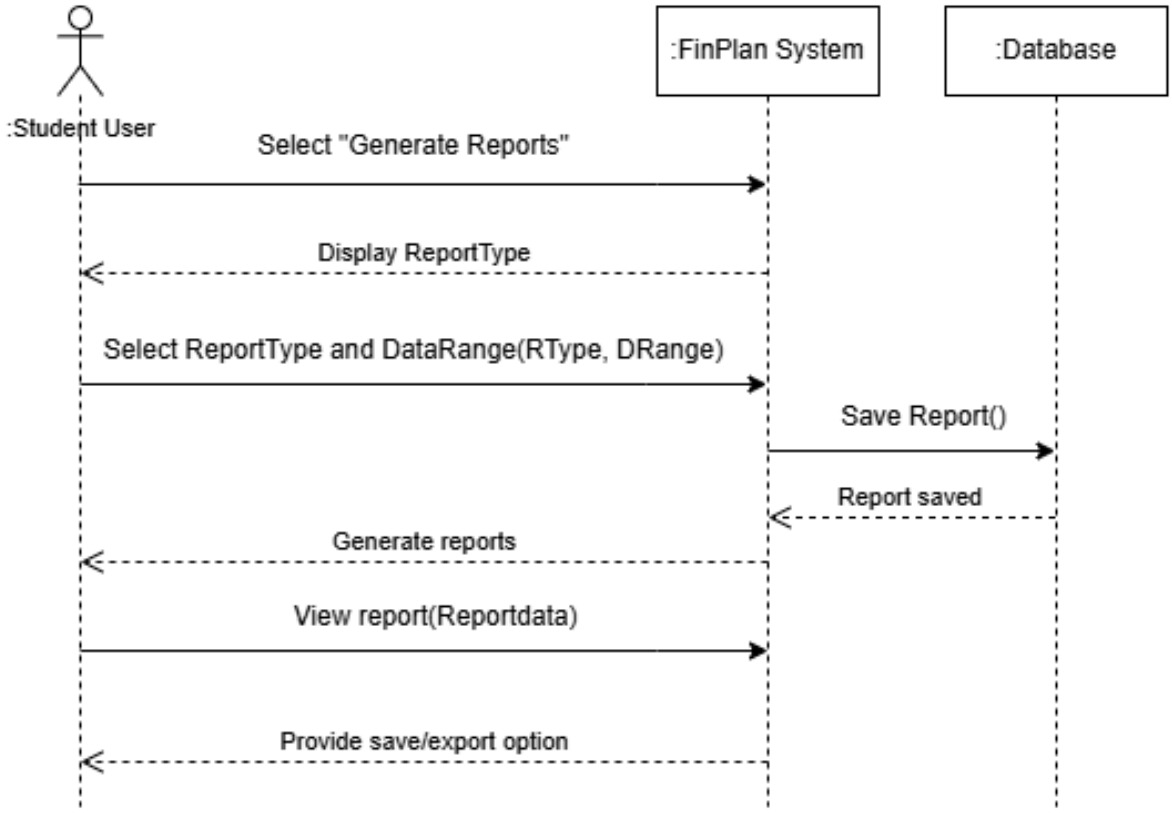


Use Case 06

Generate Reports (RAIMA TARIQ)

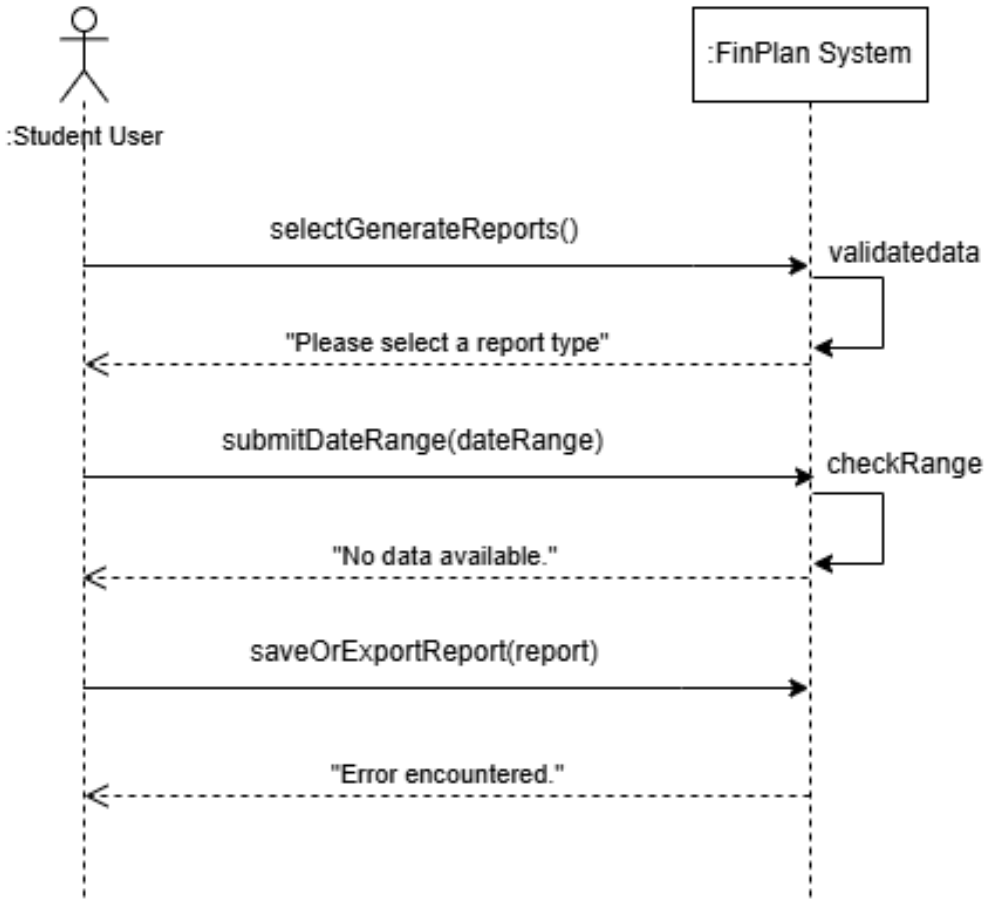
System Sequence Diagram:

Main scenario

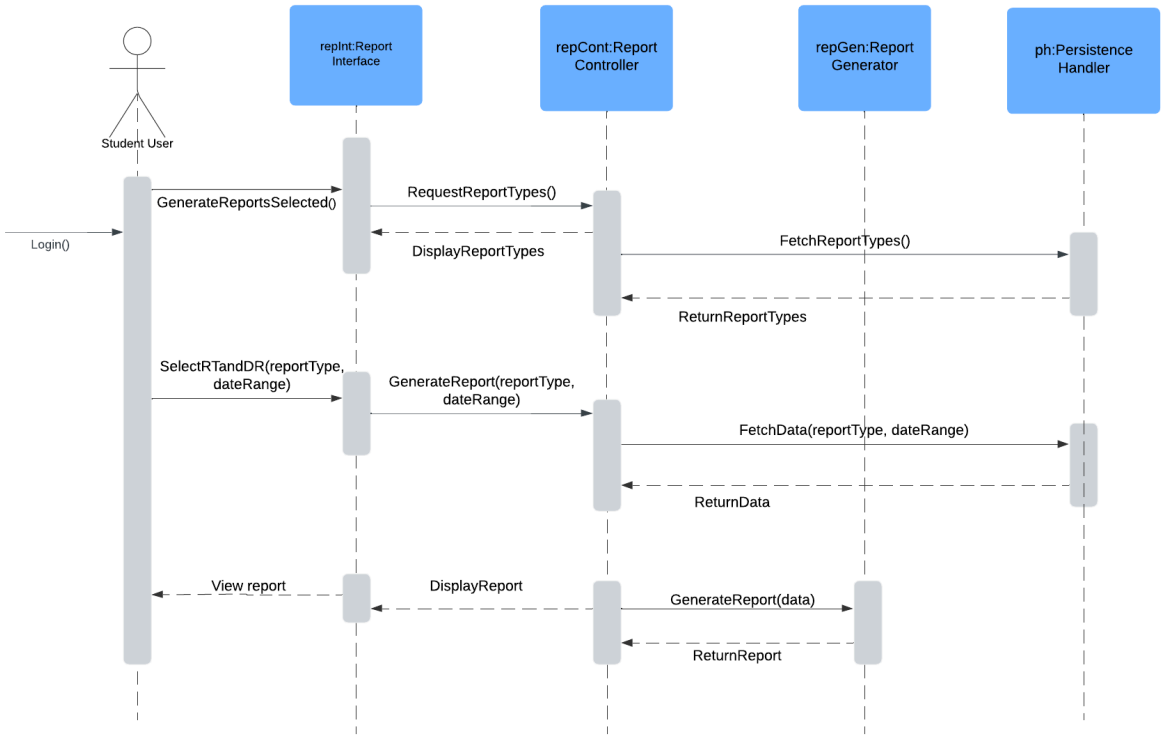


System Sequence Diagram:

Alternate scenario



Sequence Diagram:

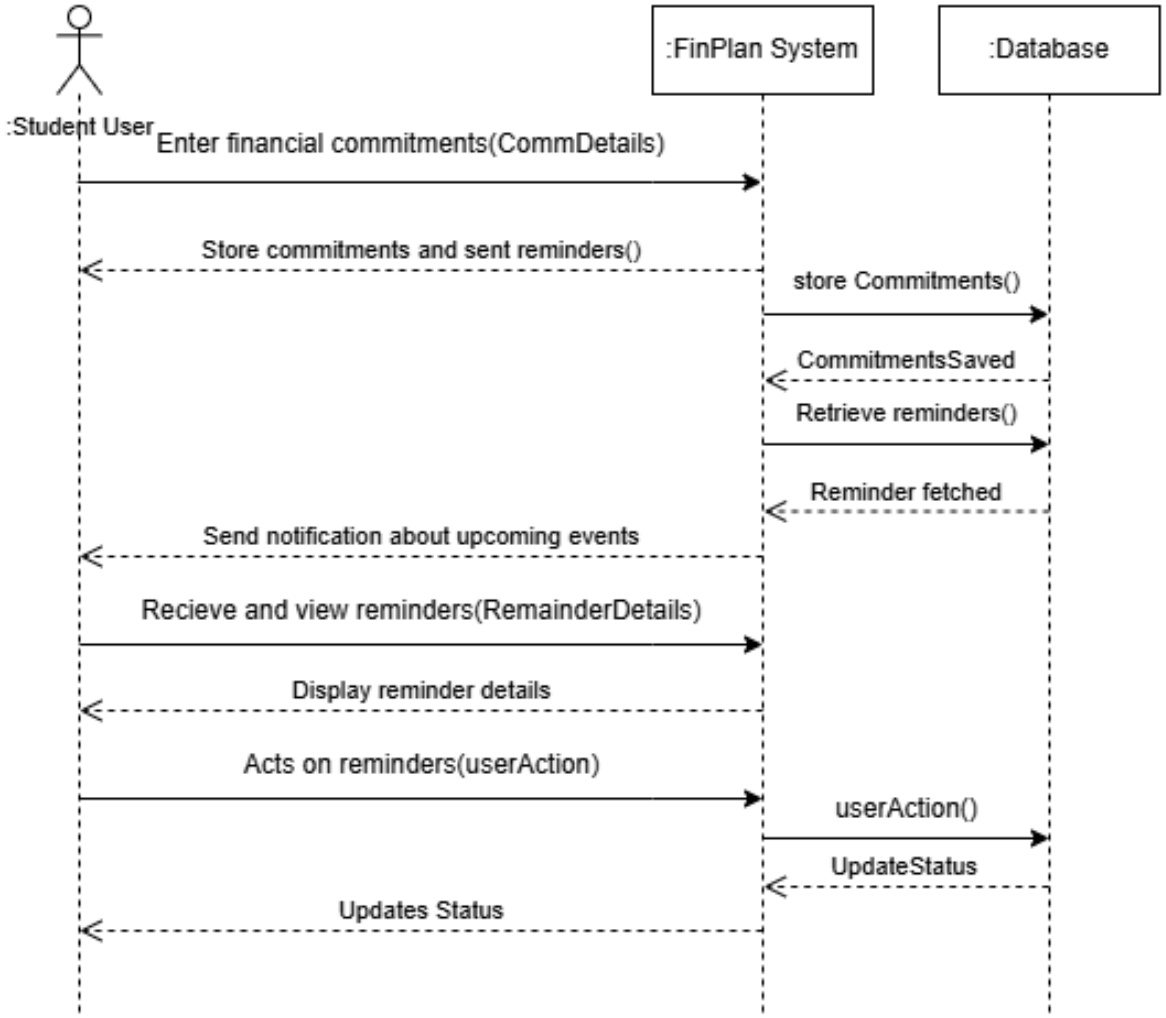


Use Case 07

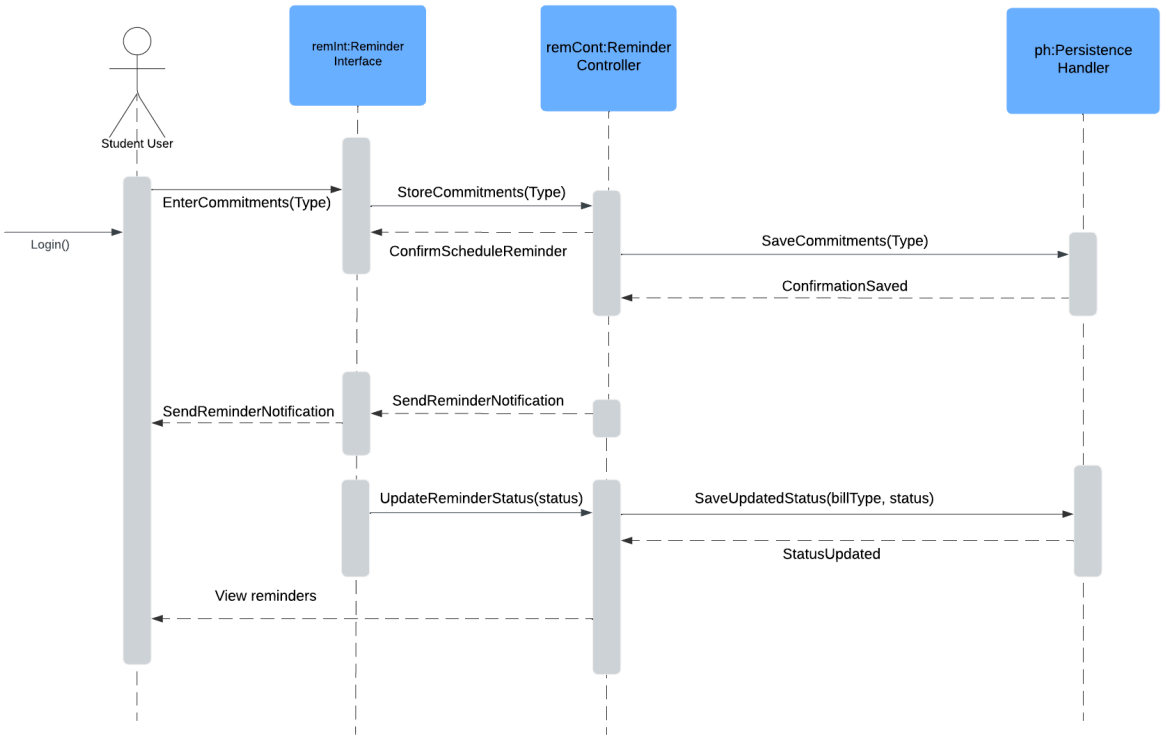
Receive Reminders (RAIMA TARIQ)

System Sequence Diagram:

Main scenario



Sequence Diagram:

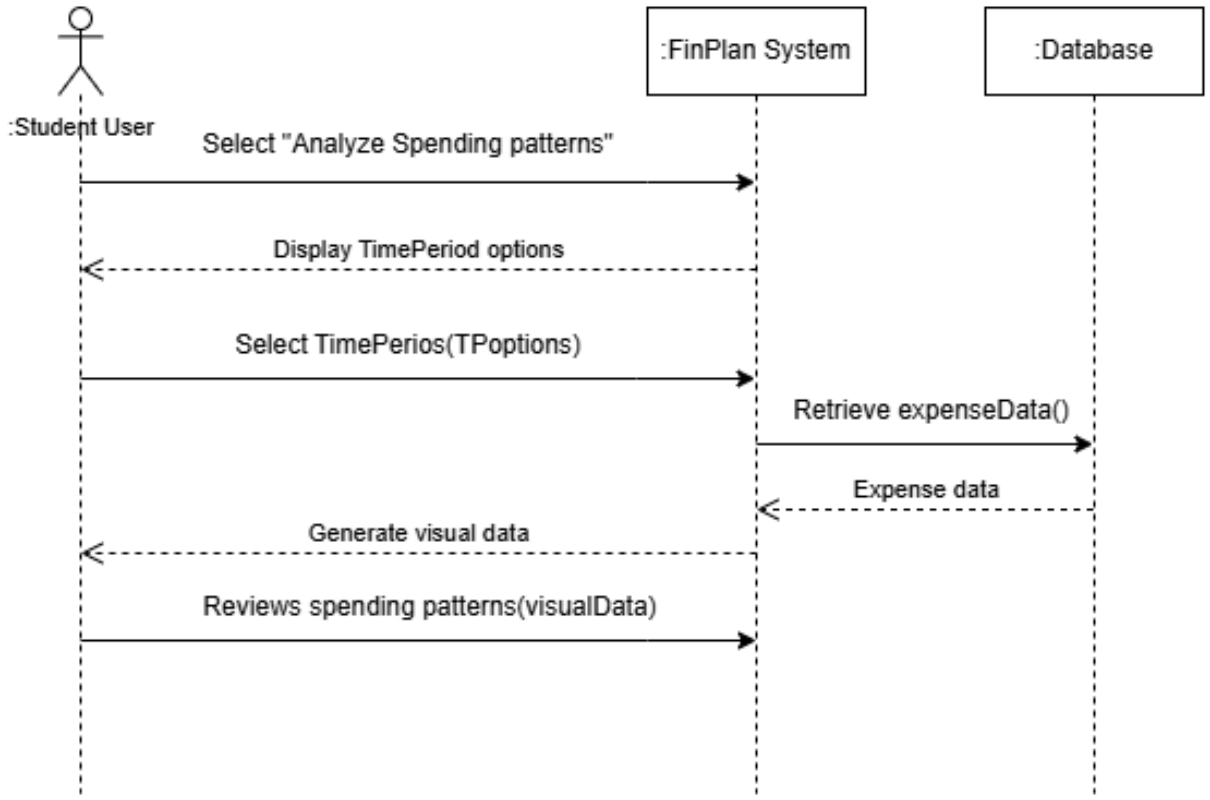


Use Case 08

Analyze Spending Patterns (RAIMA TARIQ)

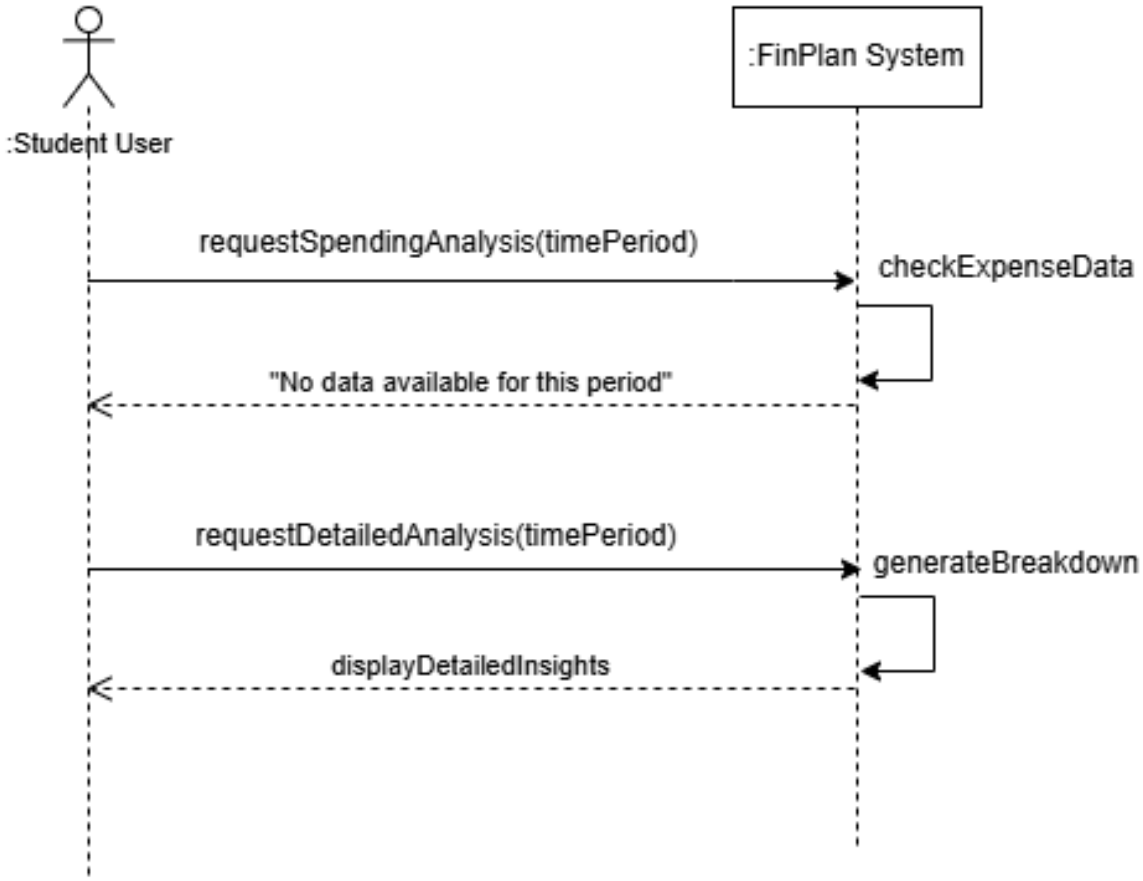
System Sequence Diagram:

Main scenario

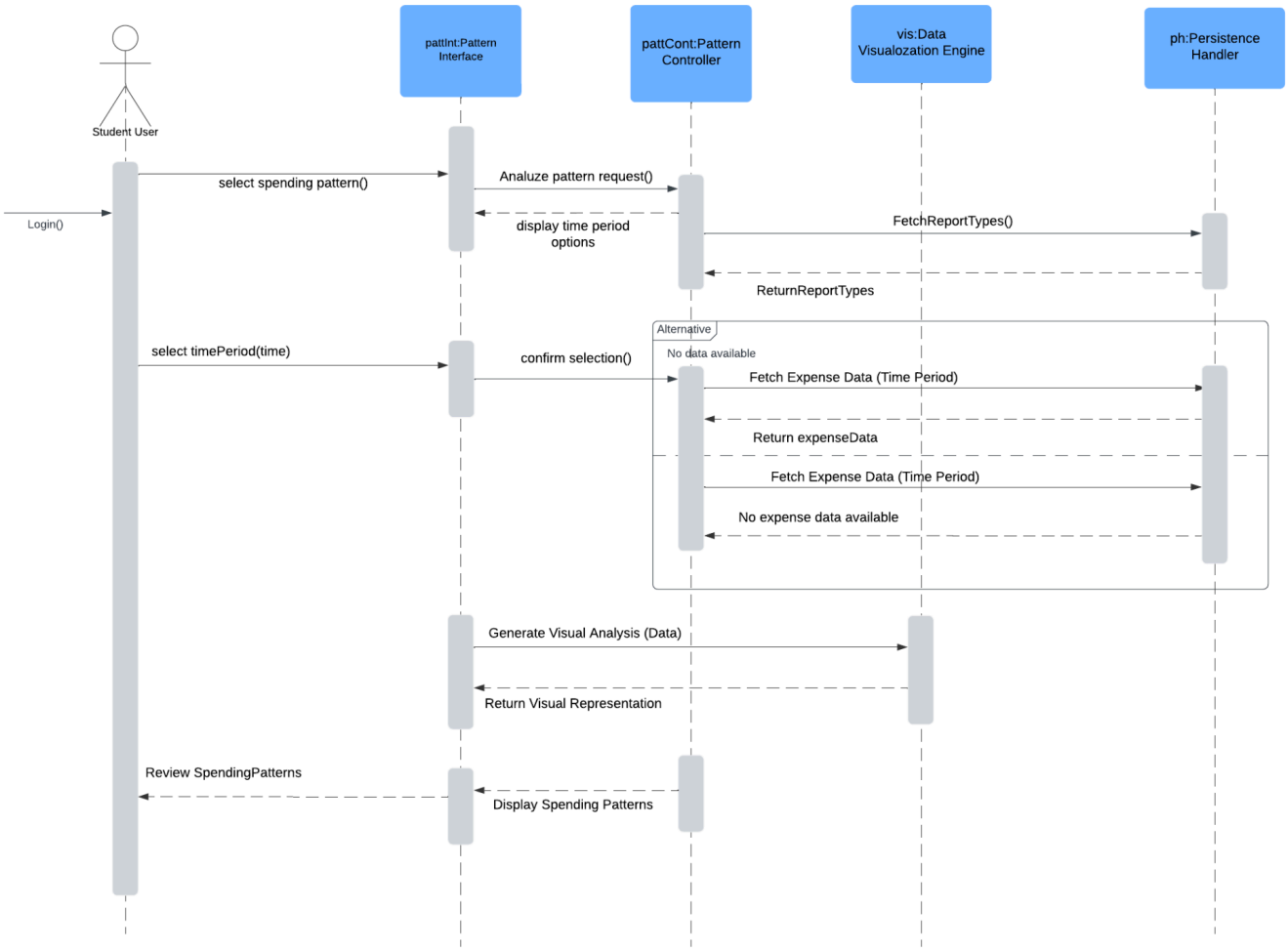


System Sequence Diagram:

Alternate scenario



Sequence Diagram:

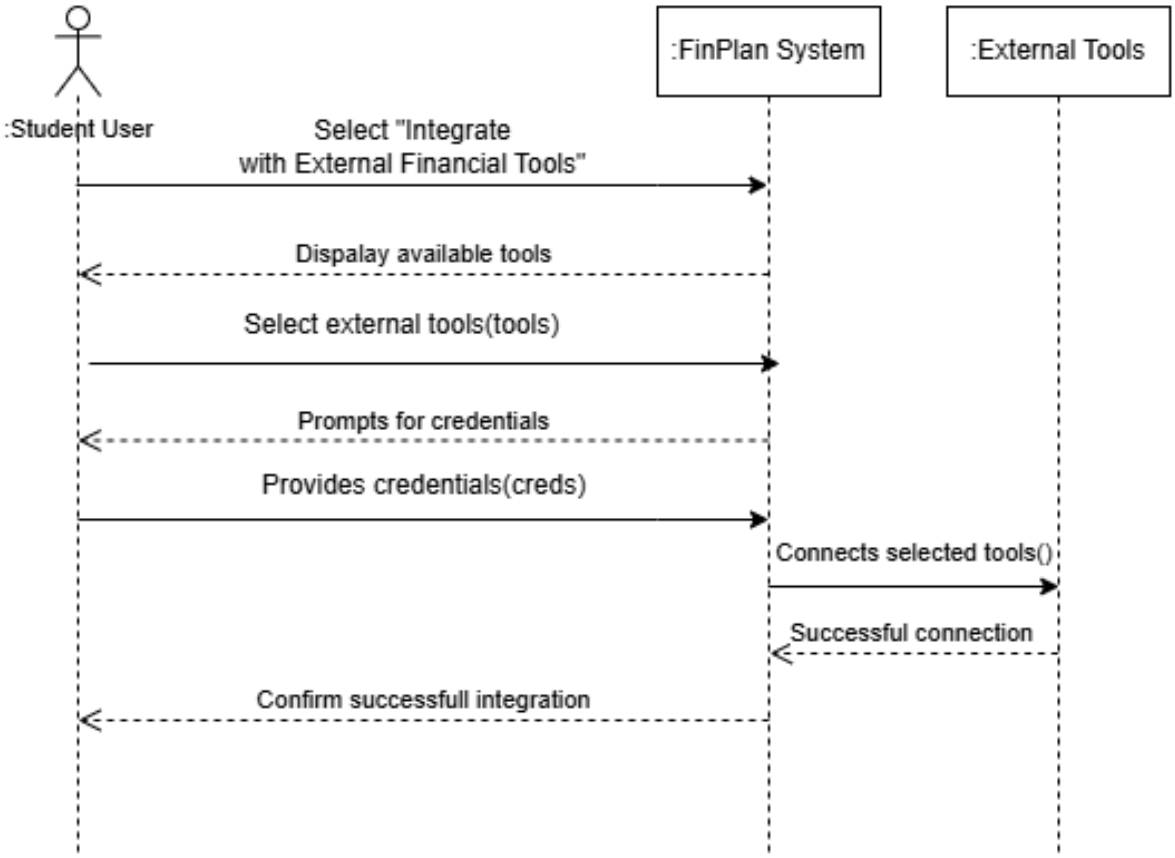


Use Case 09

Integrate with Other Financial Tools (RAIMA TARIQ)

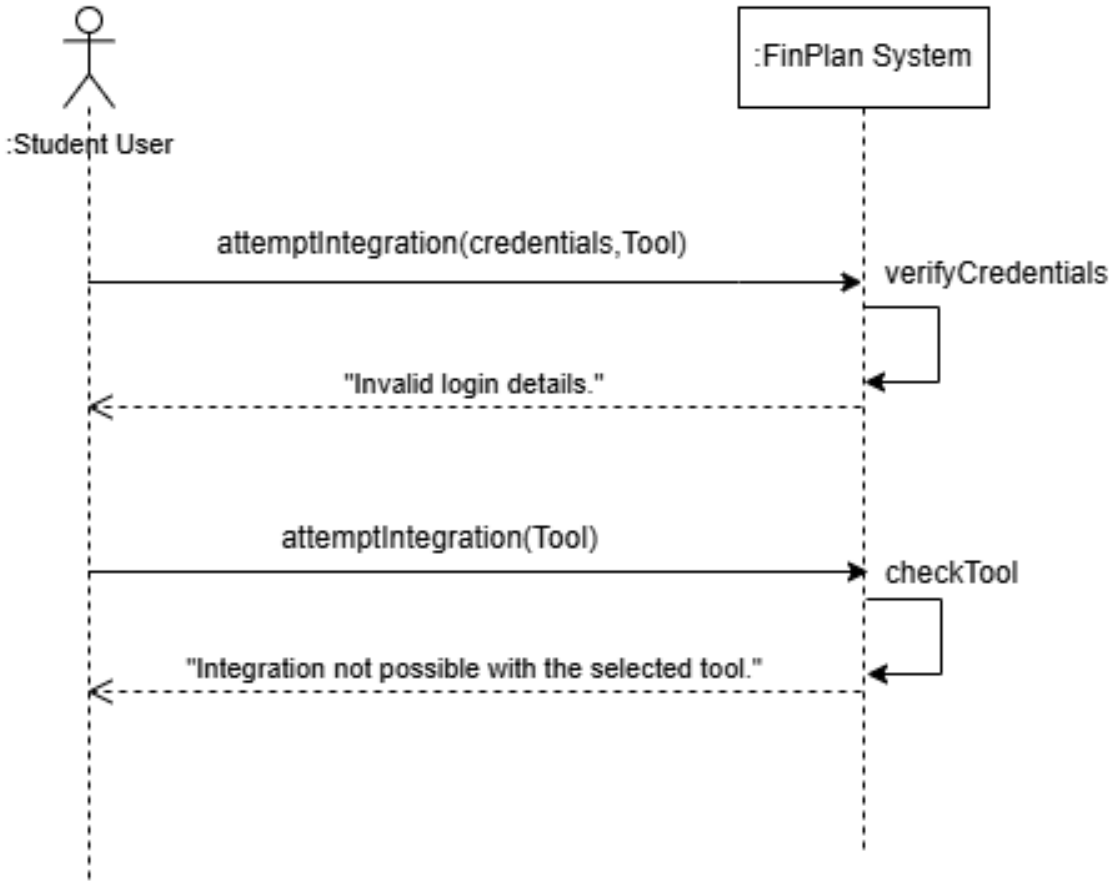
System Sequence Diagram:

Main scenario

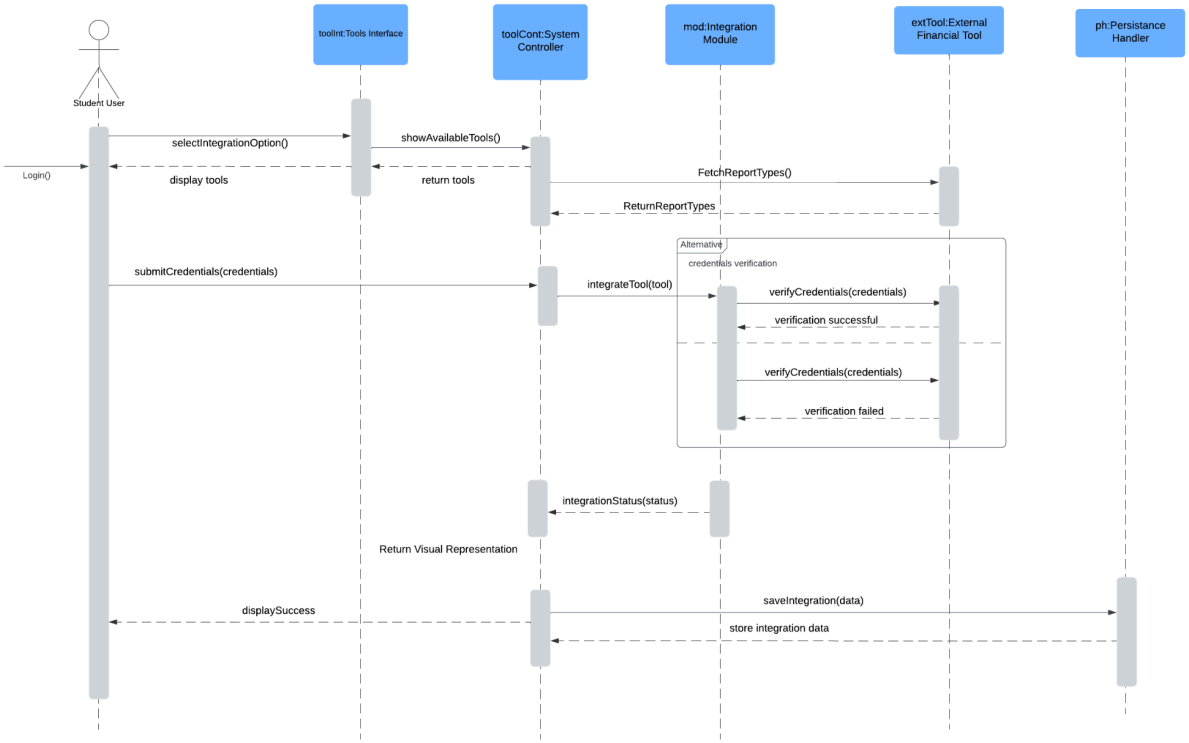


System Sequence Diagram:

Alternate scenario



Sequence Diagram:

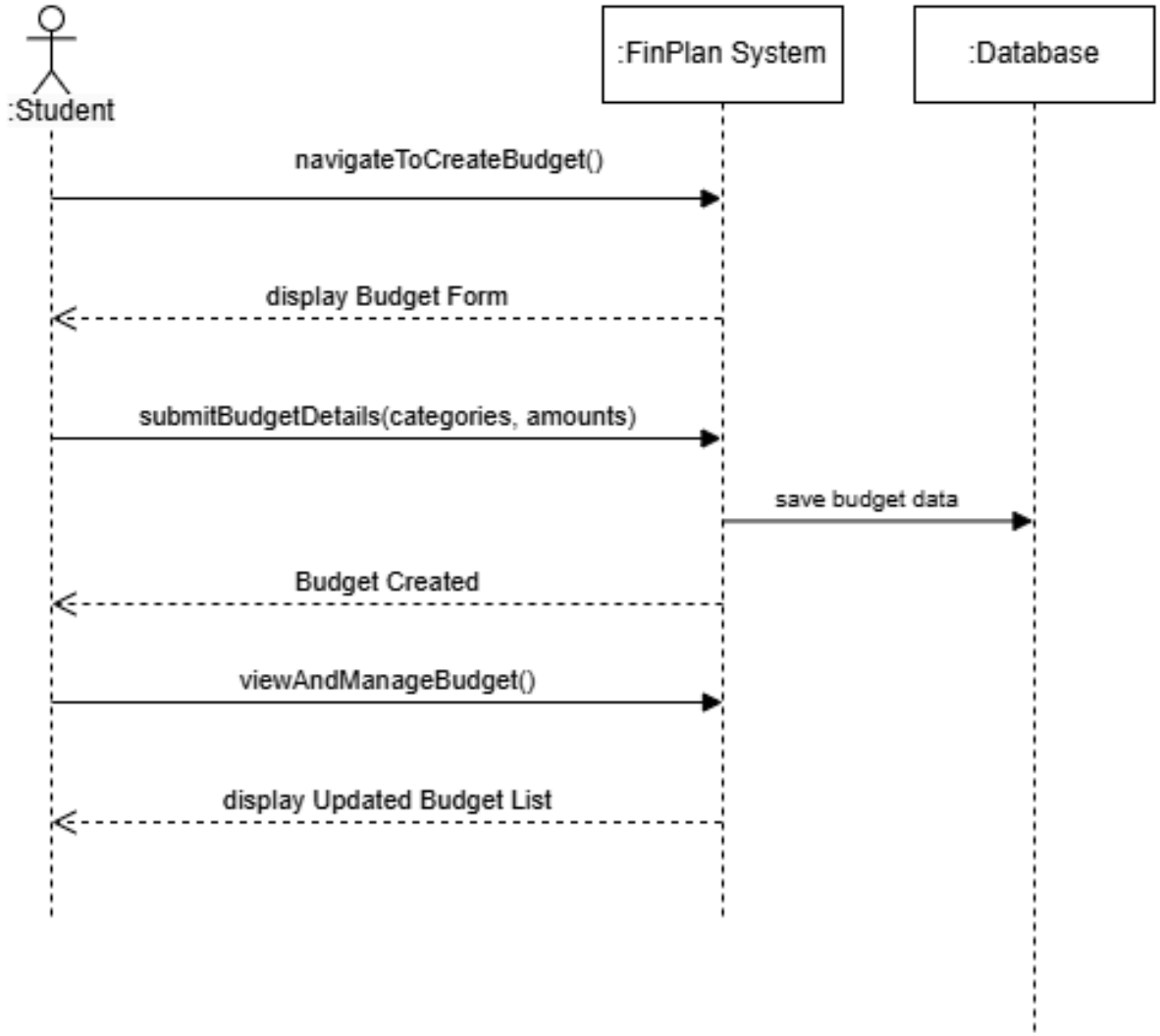


Use Case 10

Create Budgets for Multiple Users (UMAMA BAJWA)

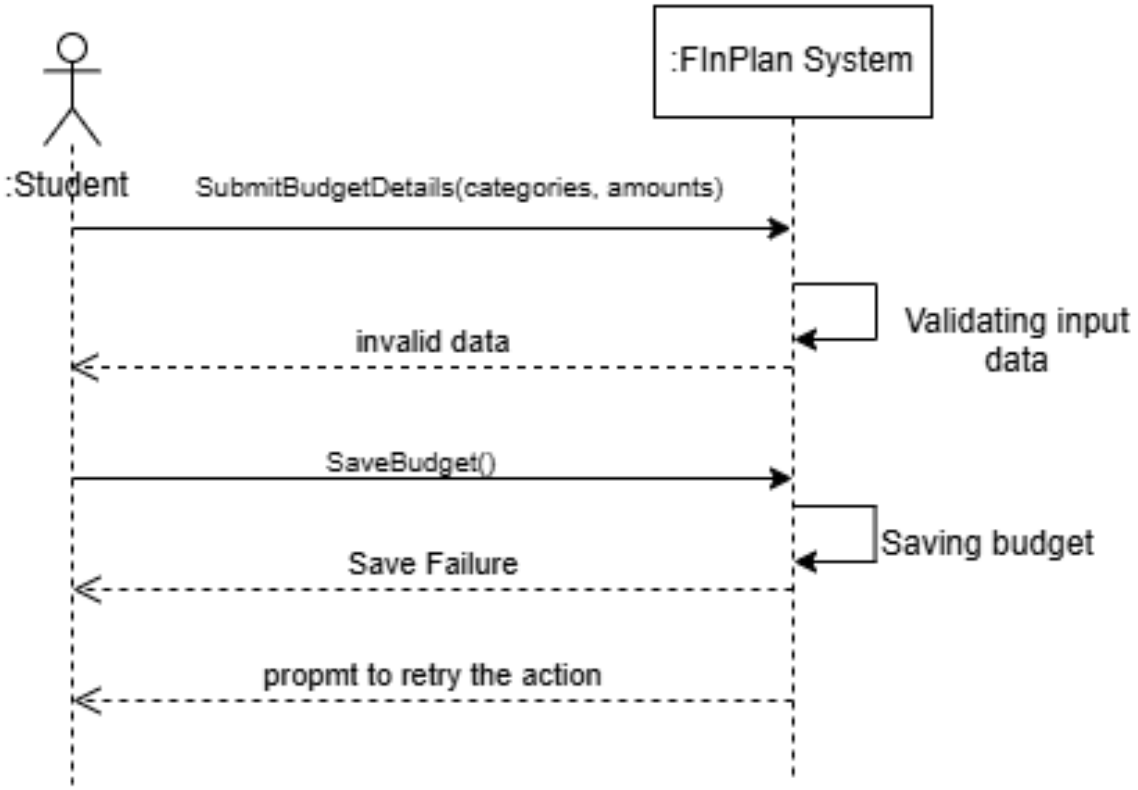
System Sequence Diagram:

Main scenario

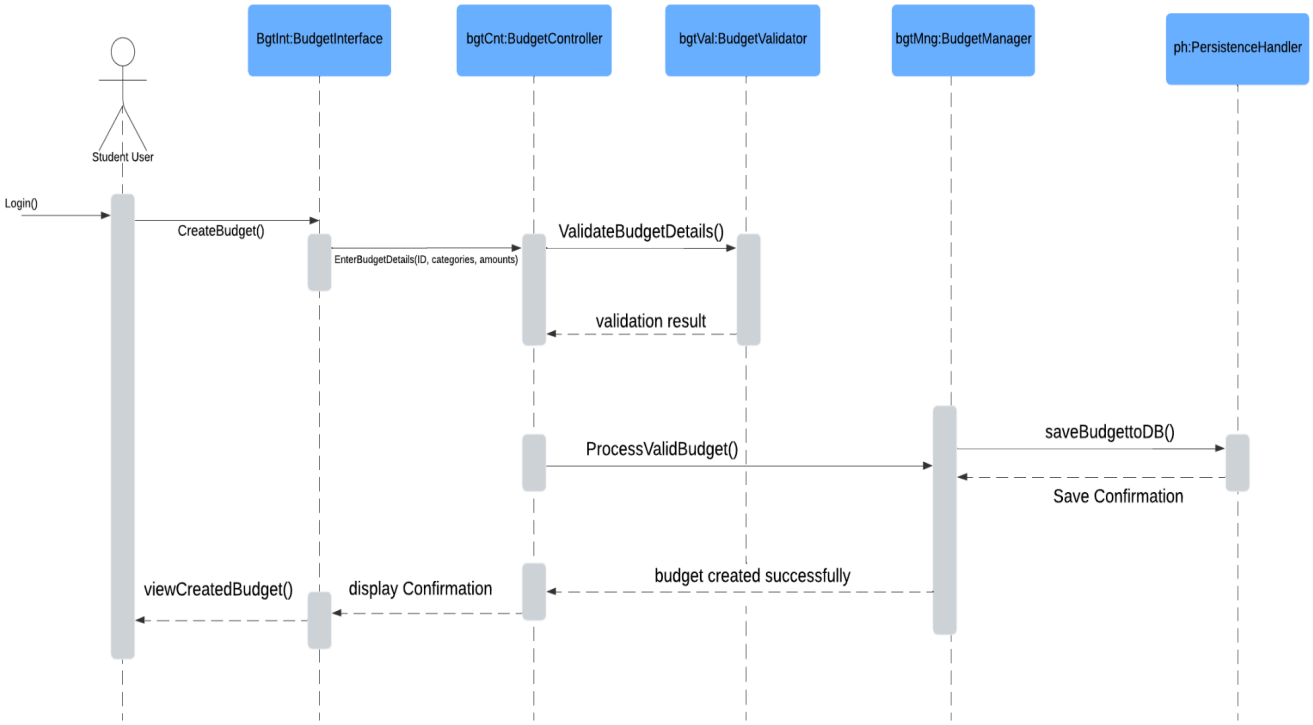


System Sequence Diagram:

Alternate scenario



Sequence Diagram:

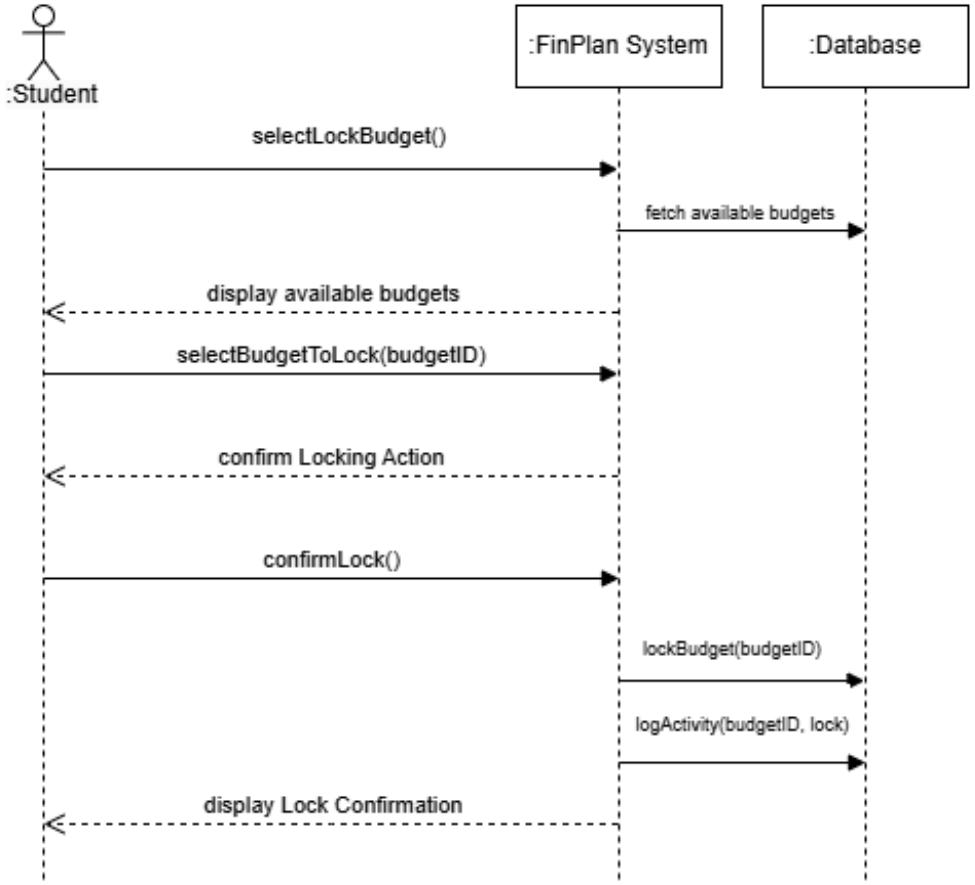


Use Case 11

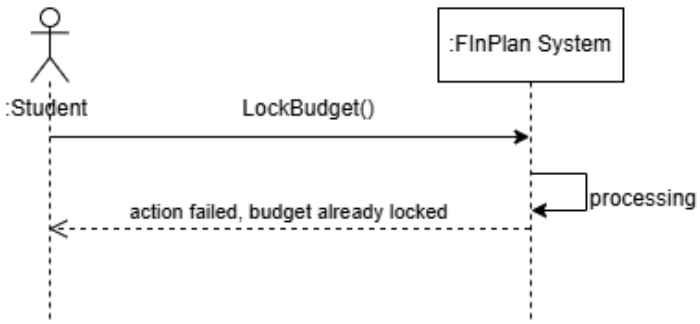
Lock the Budget (UMAMA BAJWA)

System Sequence Diagram:

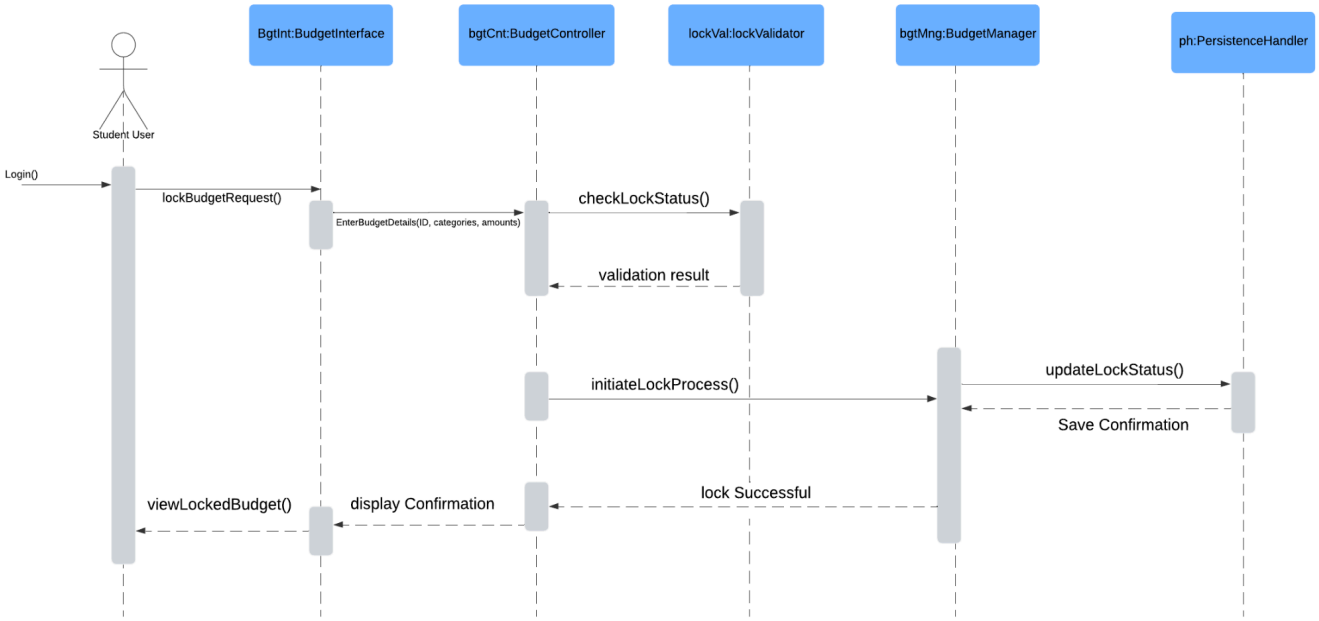
Main scenario



Alternate scenario



Sequence Diagram:

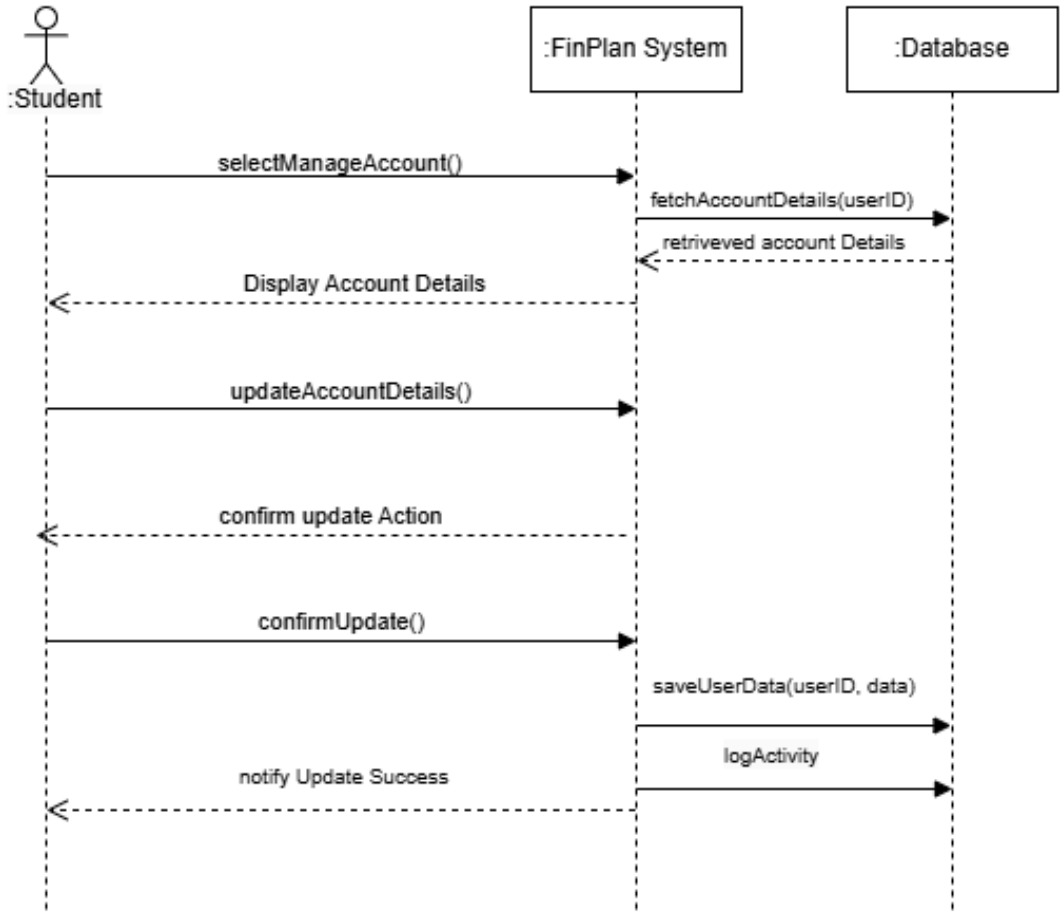


Use Case 12

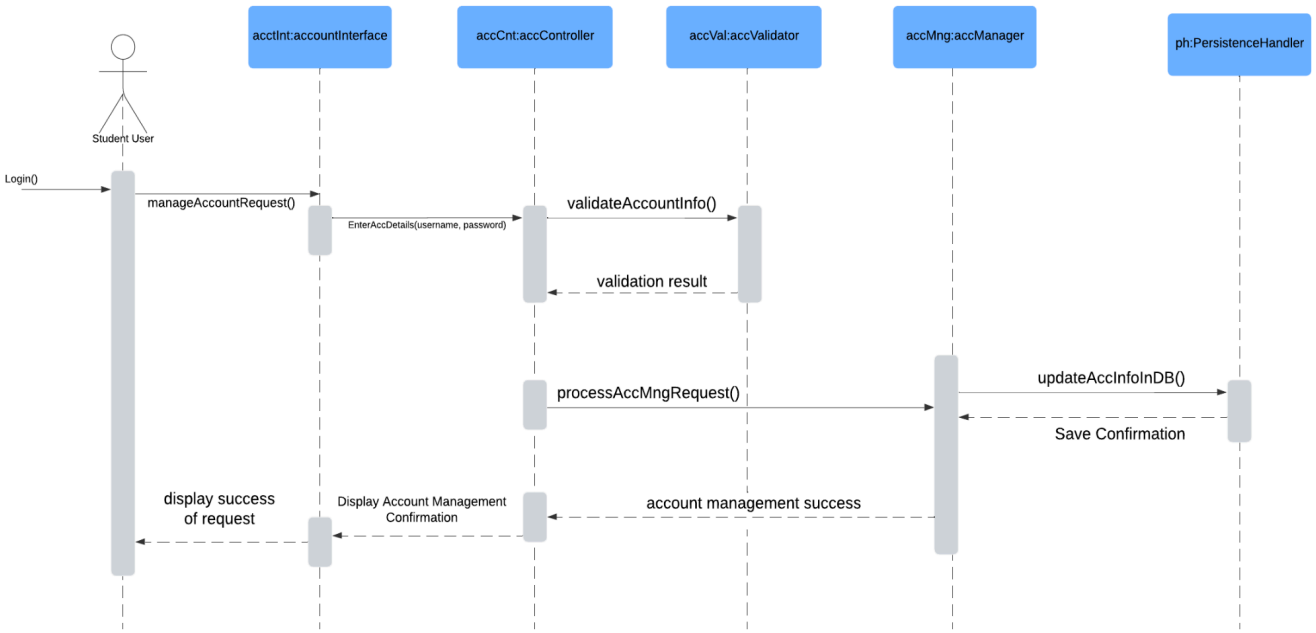
Manage Accounts (UMAMA BAJWA)

System Sequence Diagram:

Main scenario



Sequence Diagram:

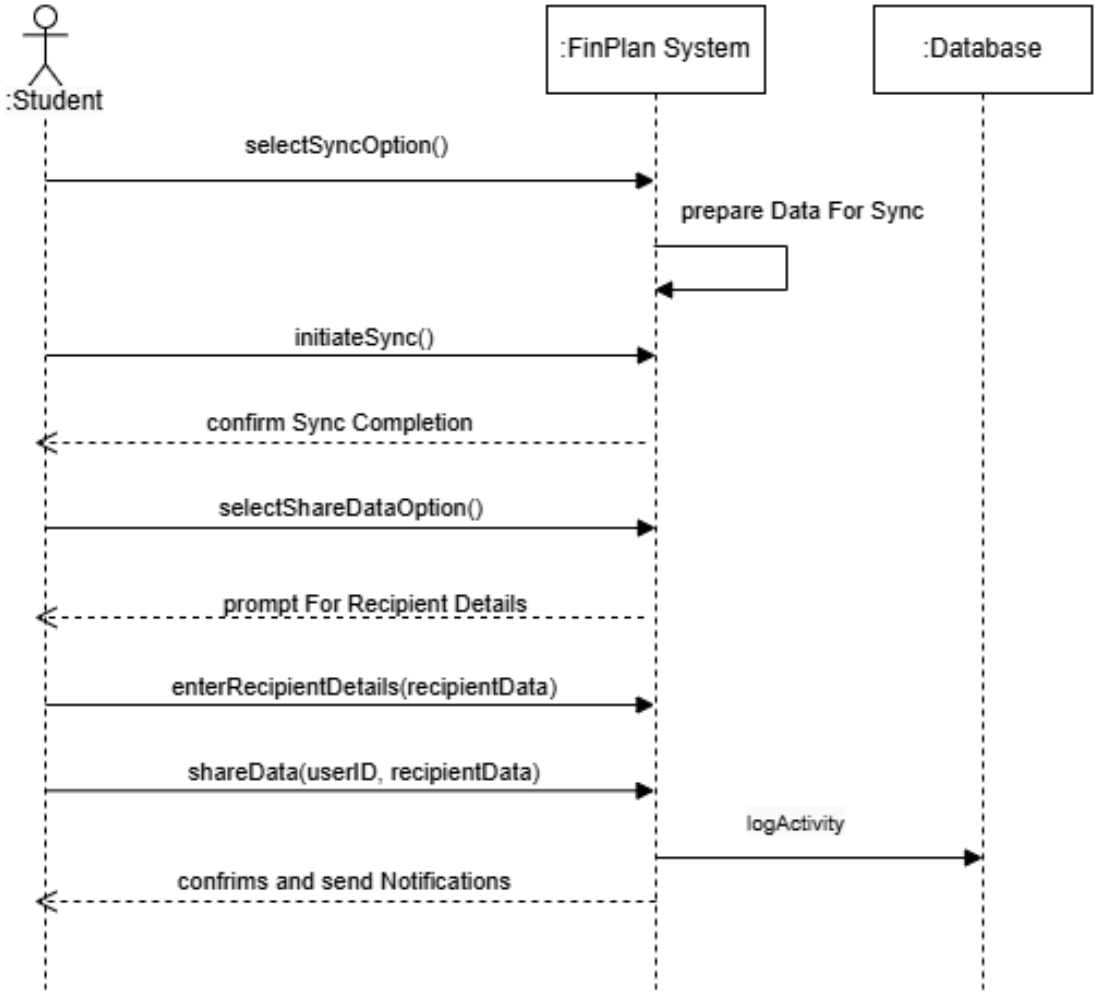


Use Case 13

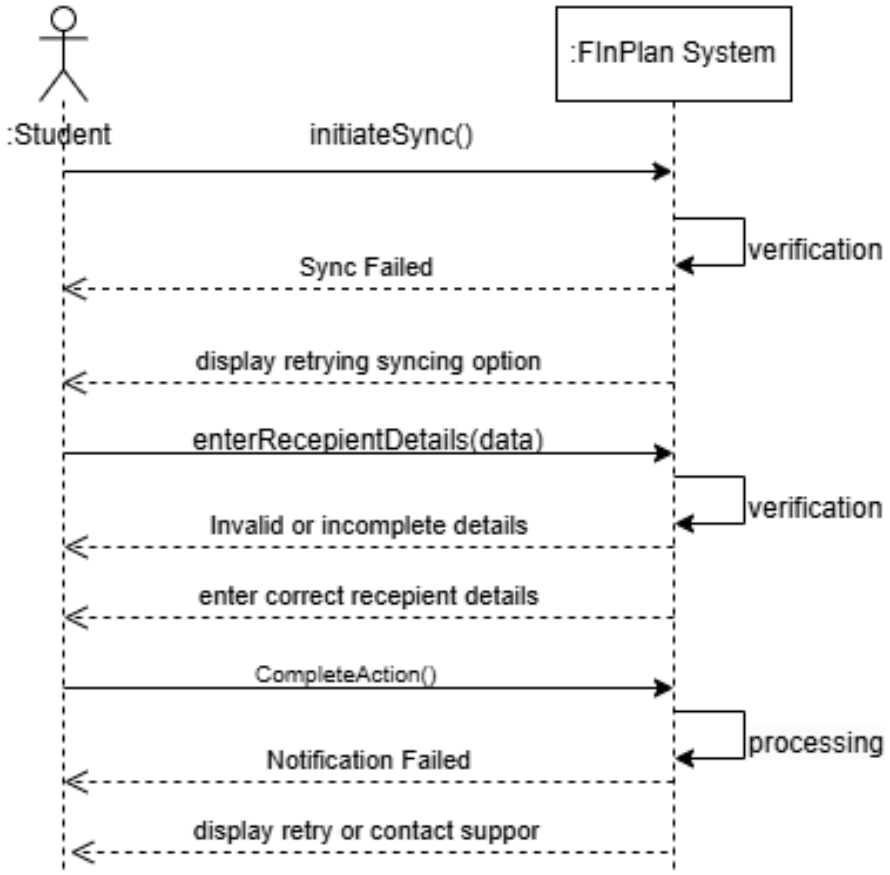
Sync and Share data (UMAMA BAJWA)

System Sequence Diagram:

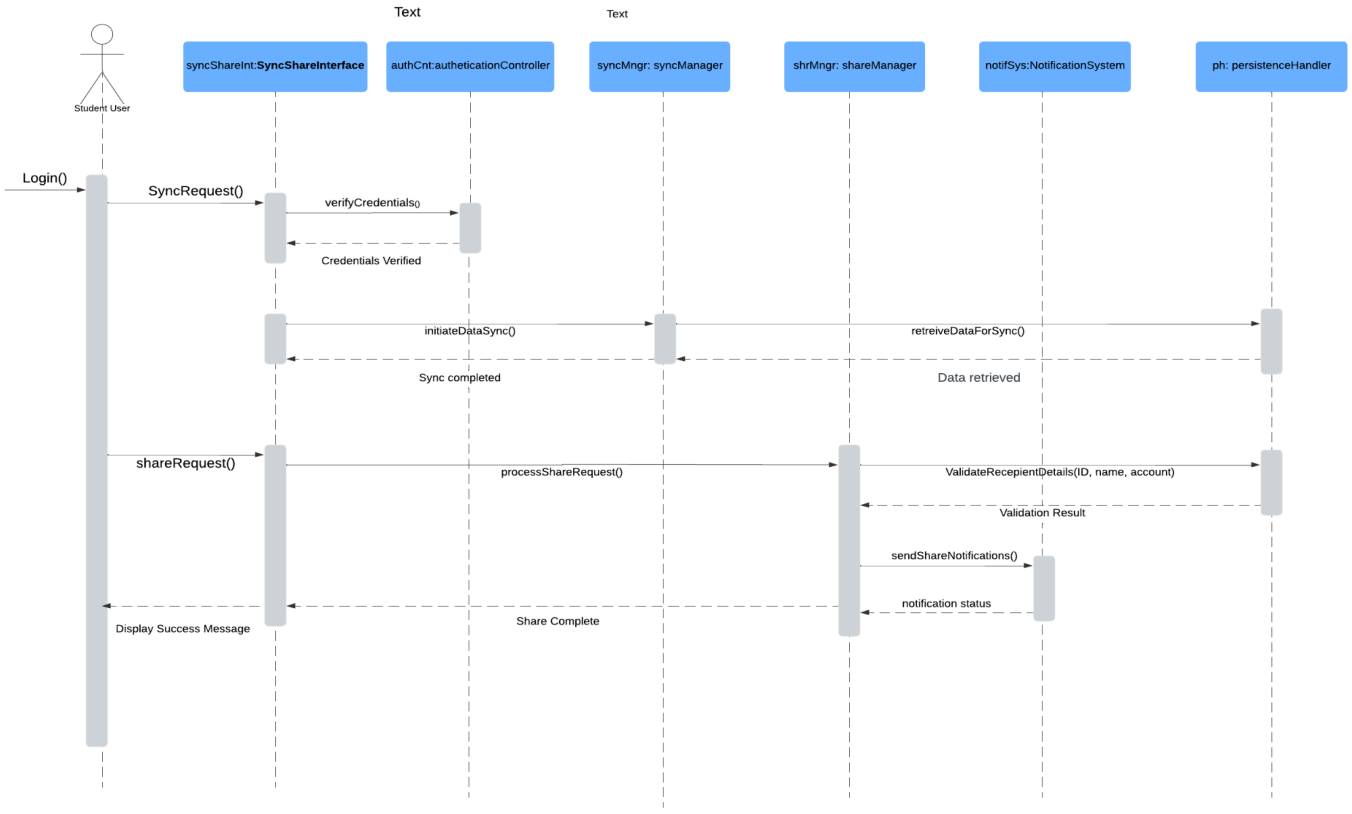
Main scenario



System Sequence Diagram:
Alternate scenario



Sequence Diagram:

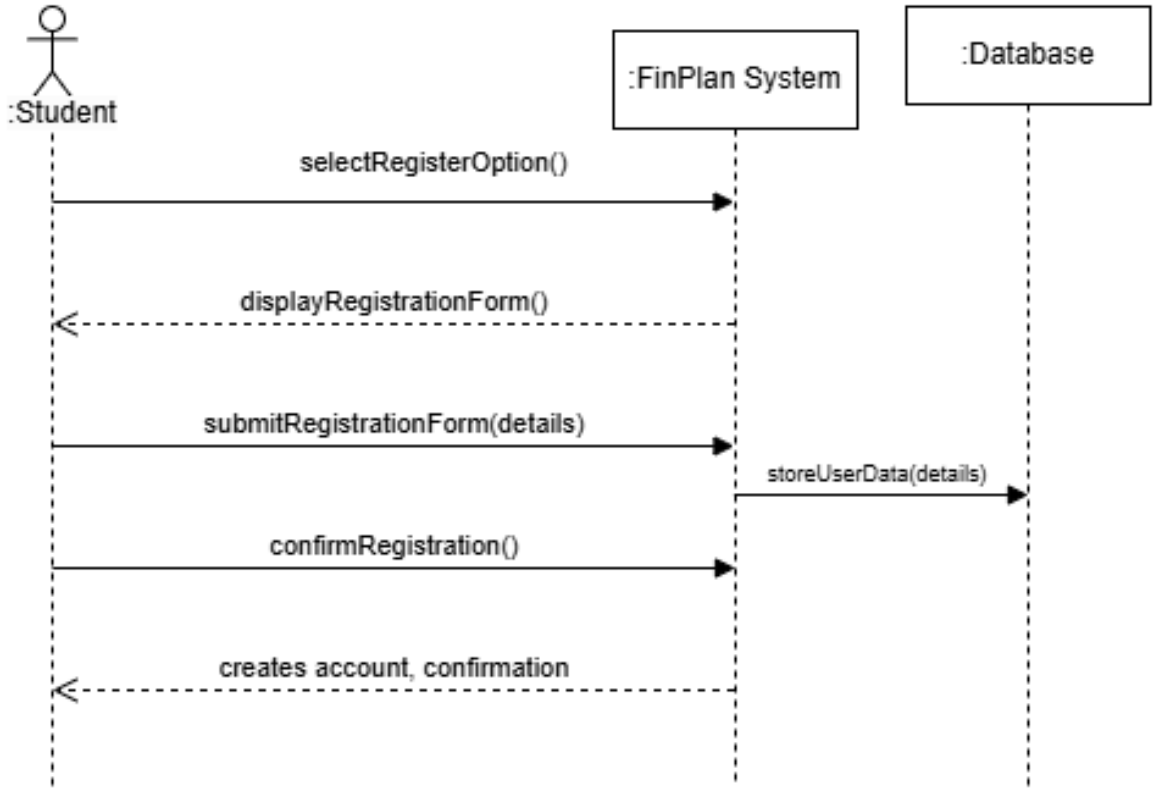
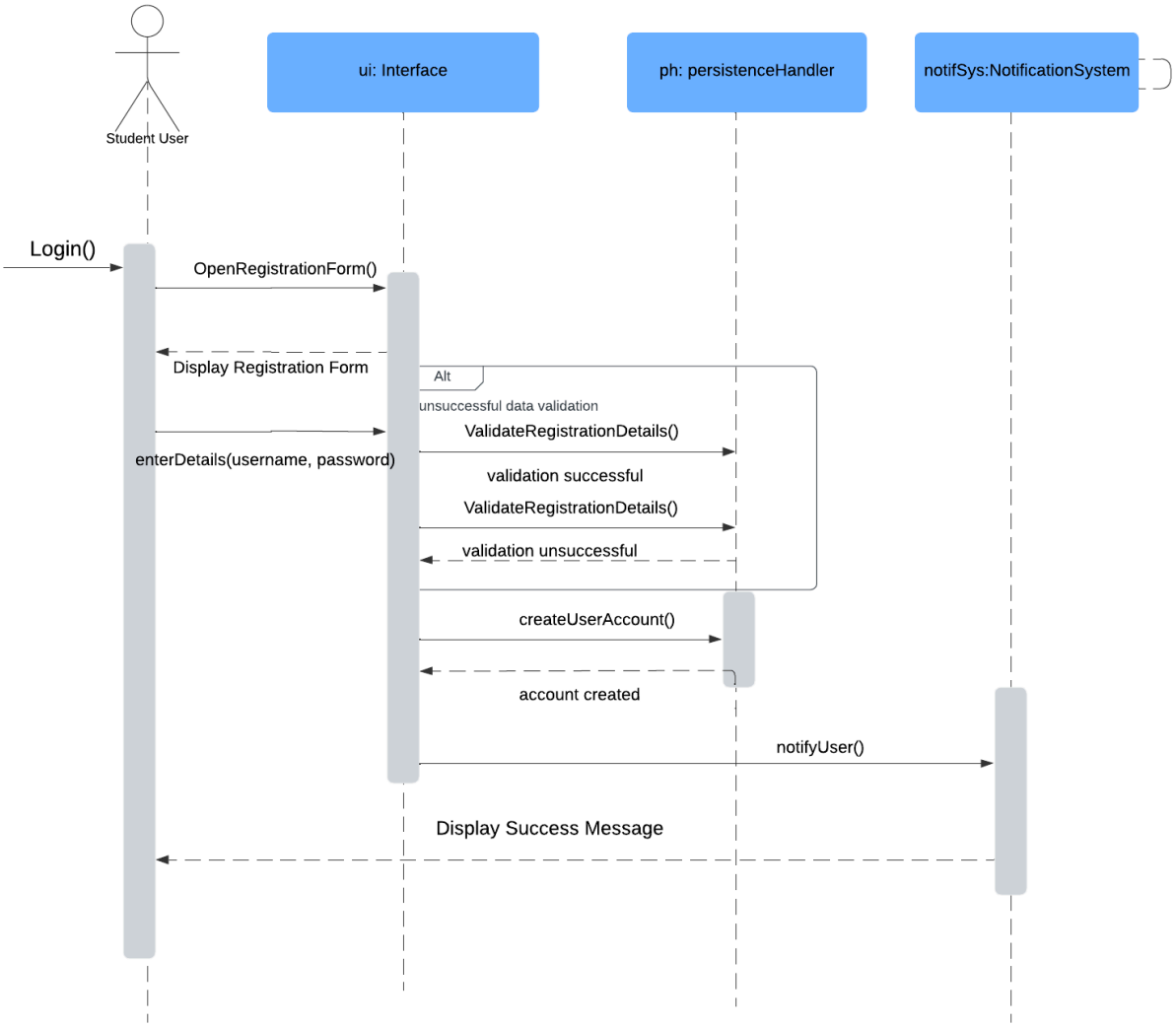


Use Case 14

Register User (UMAMA BAJWA)

System Sequence Diagram:

Main scenario



Sequence Diagram: