**Group Name: TiTechnics**

**Software Construction and Development**

**Deliverable 02**

8th May 2024

Khadija Bibi SP-21424

Fatima Rehmanullah SP-21282

Muhammad Alyan SP-21319

Konain Raza SP-21303

Aazeen Iftikhar SP-21329

**Instructor:** Miss Fatima Gillani

**Software Requirement Specification Document**

**Personal Finance Tracker**

1. **Use case diagram**

****

Figure 1 Use Case Diagram

1. **Class diagram**

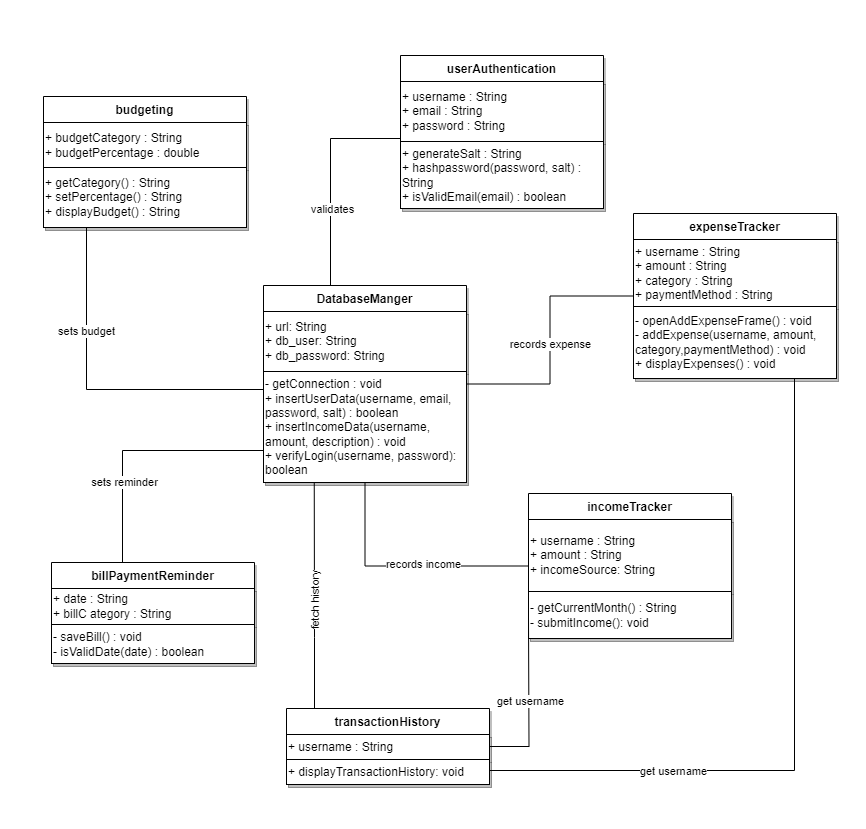
****

Figure 2 Class Diagram

1. **Package diagram:**

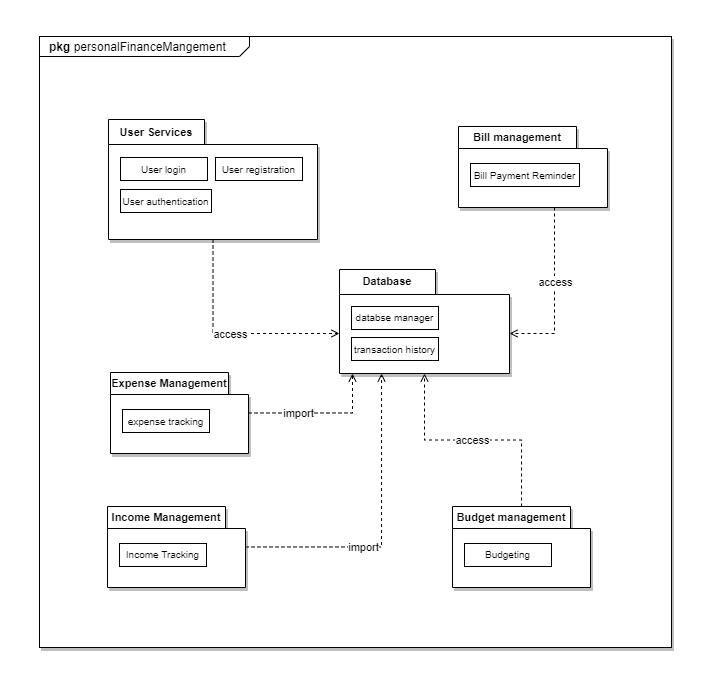
****

Figure 3 Package Diagram

1. **Timing Diagram:**

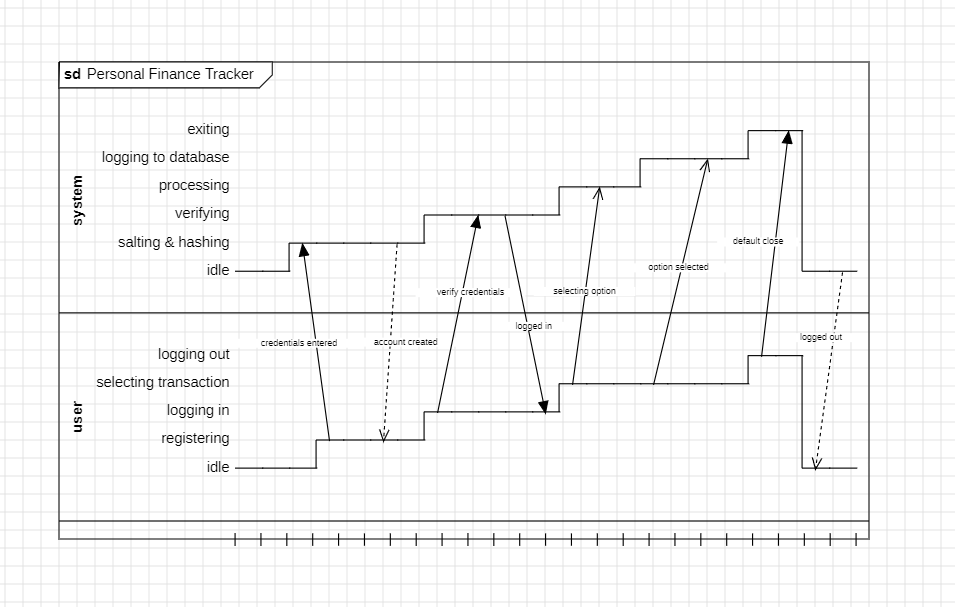
****

Figure 4 Timing Diagram

1. **Object Diagram:**

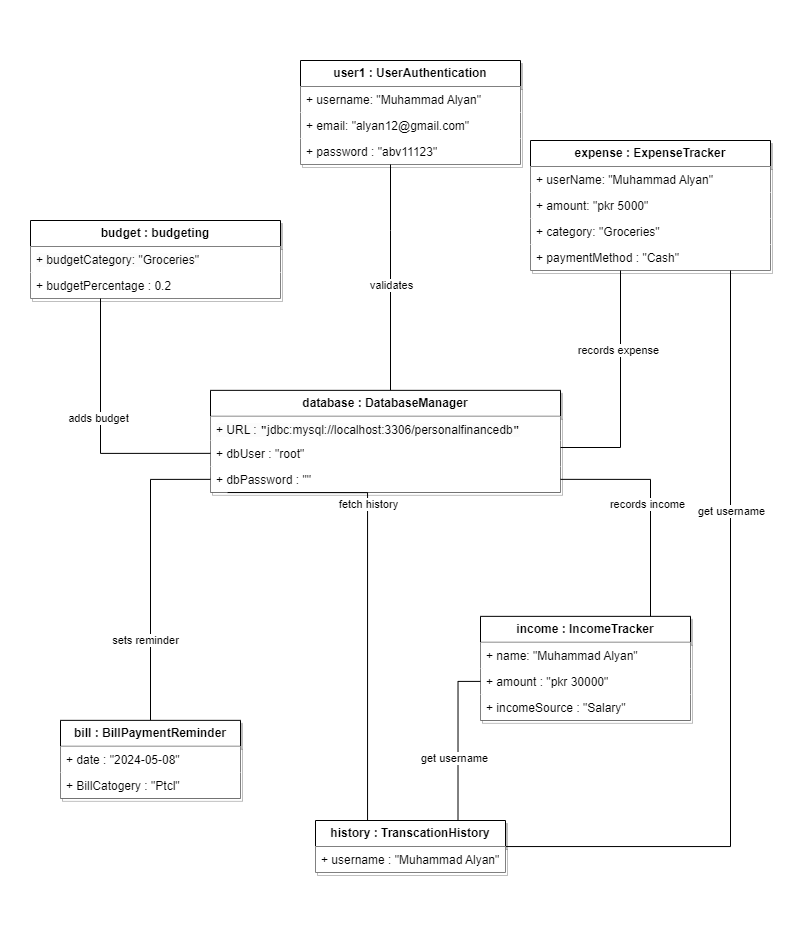
****

Figure 5 Object Diagram

1. **Communication Diagram**

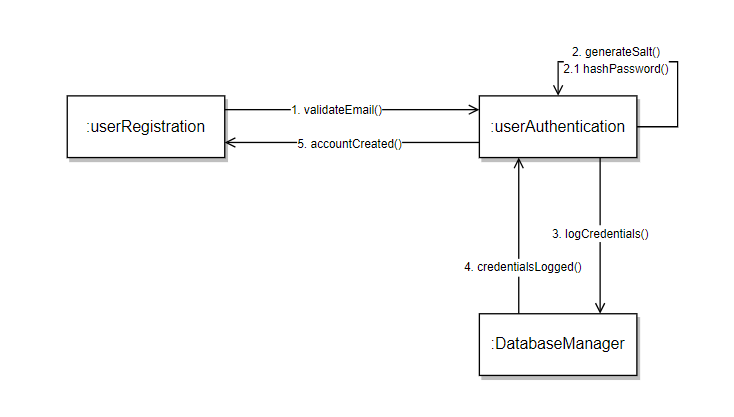
****

Figure 6 User Registration Communication

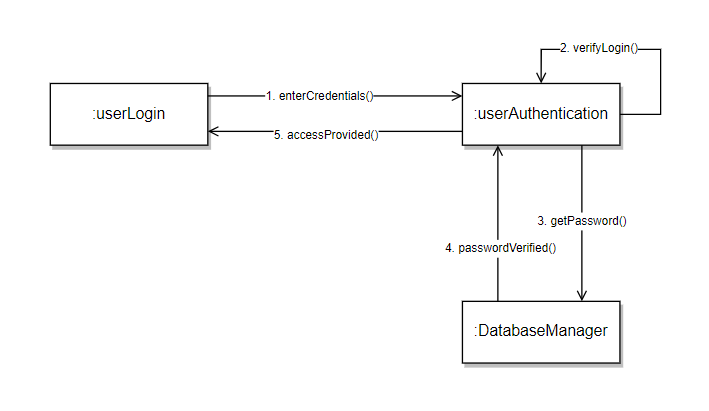
****

Figure 7 User Login Communication

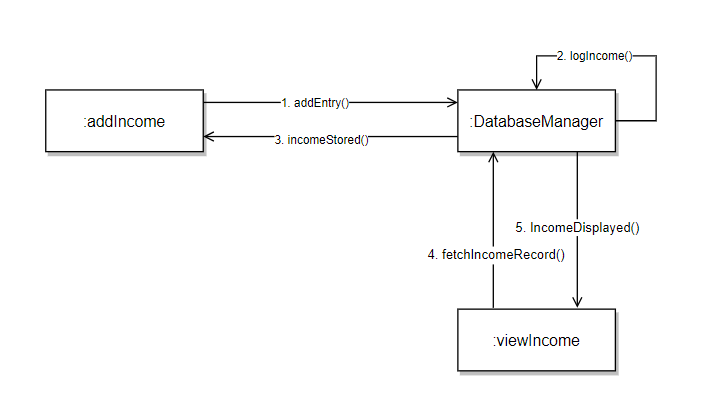
****

Figure 8 Add Income Communication

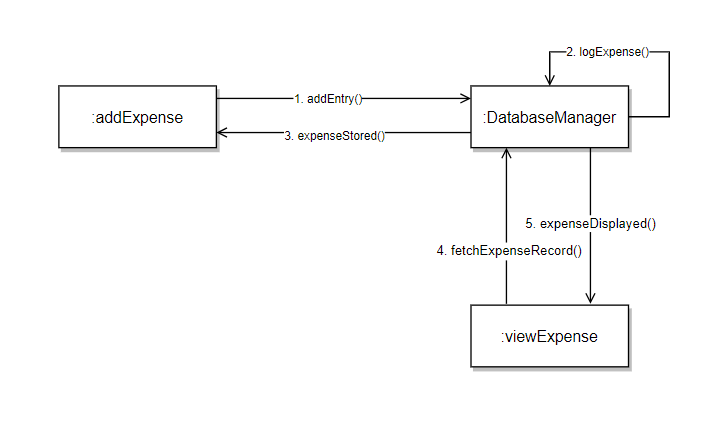
****

Figure 9 Add Expense Communication

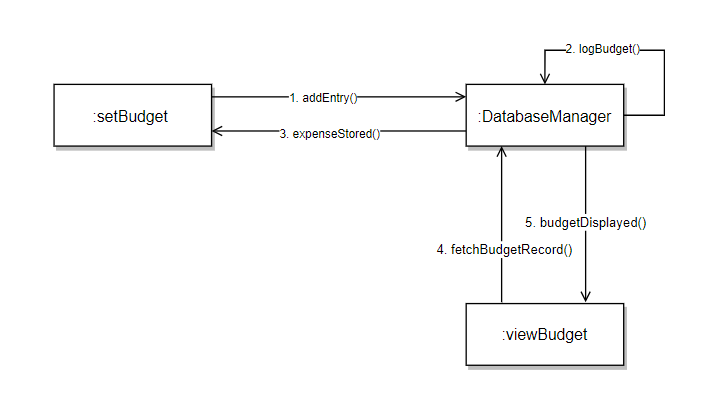
****

Figure 10 Set Budget Communication

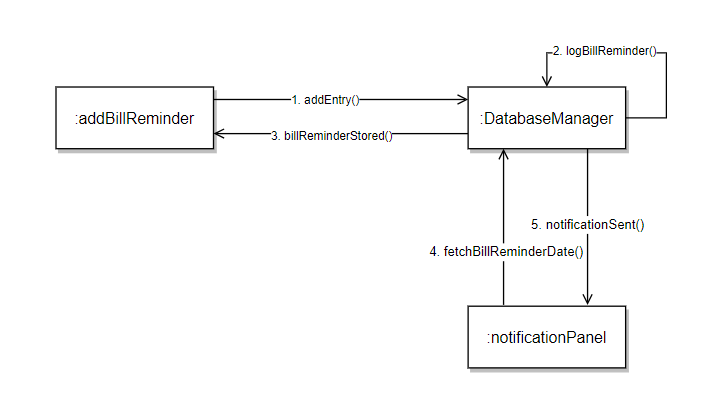
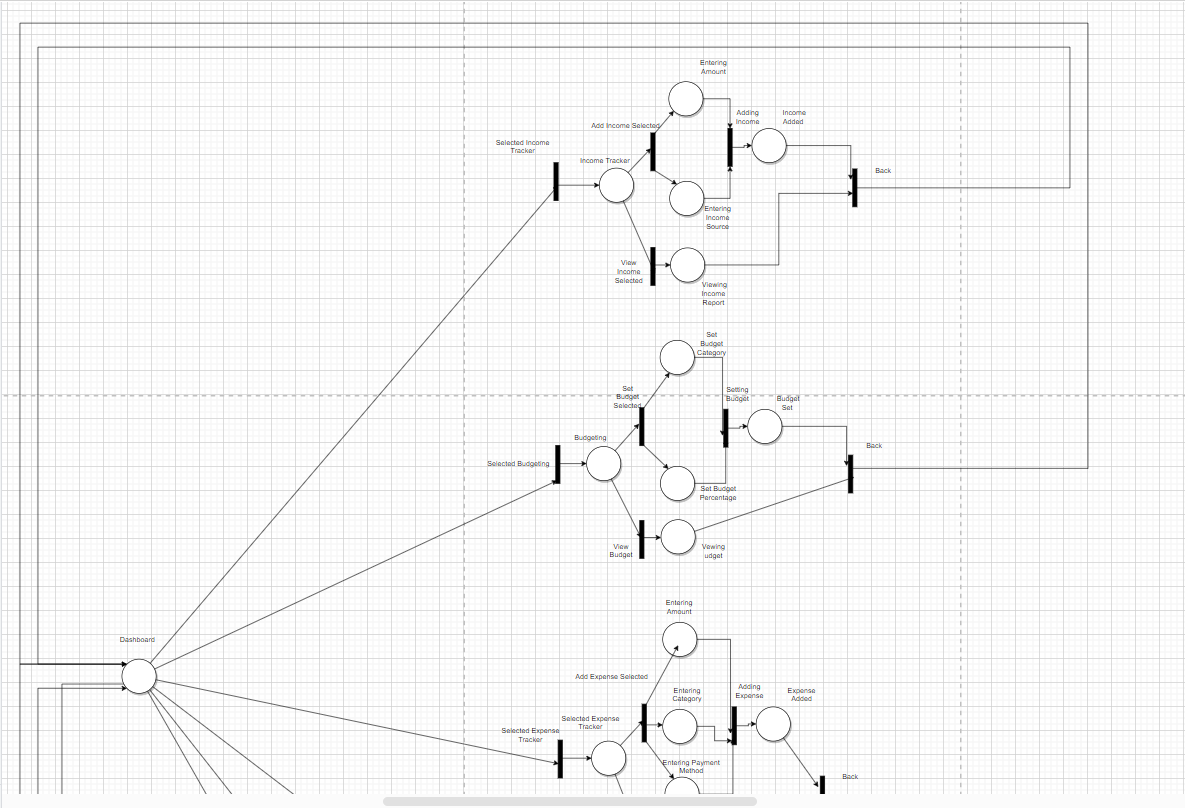
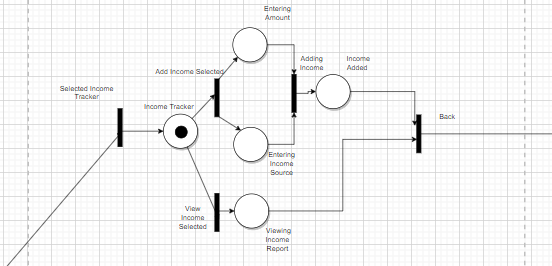
****

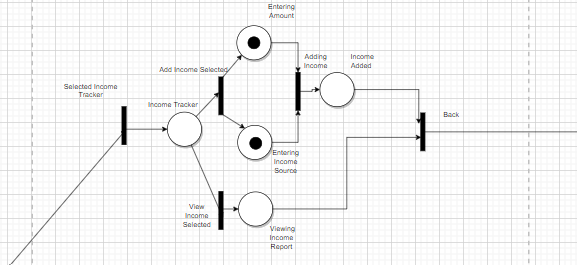
Figure 11 Add Bill Reminder Communication

1. **Petri-nets:**

A diagram of a network

Description automatically generated





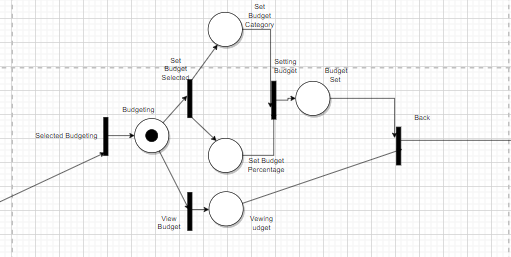
A diagram of a company

Description automatically generated

**Alternate transition**

A diagram of a company

Description automatically generated



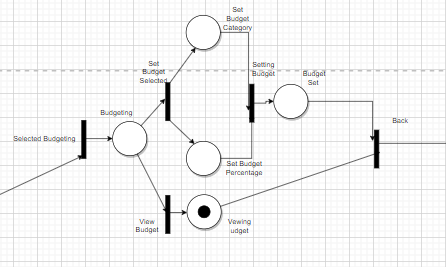
A diagram of a project

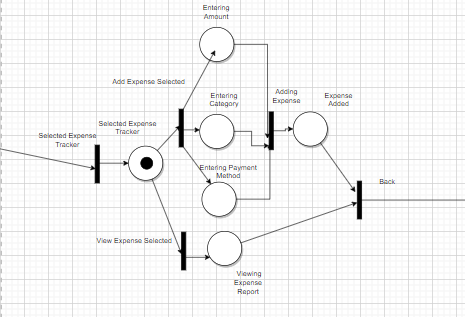
Description automatically generated

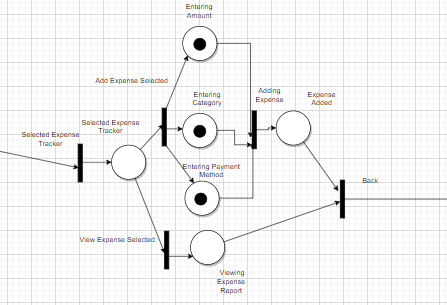
A diagram of a flowchart

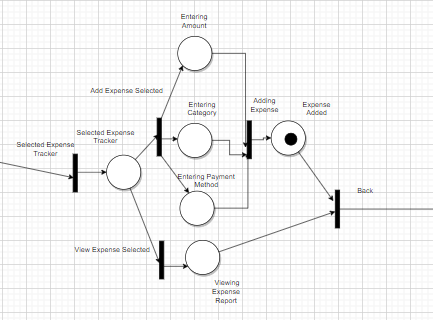
Description automatically generated

**Alternate transition**

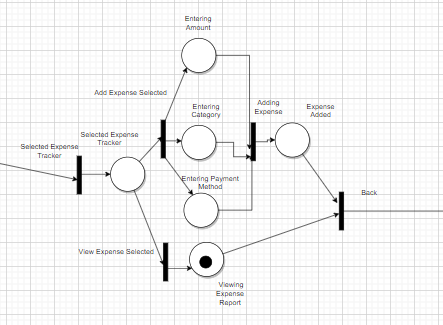








**Alternate transition:**



A graph with a circle and a black circle

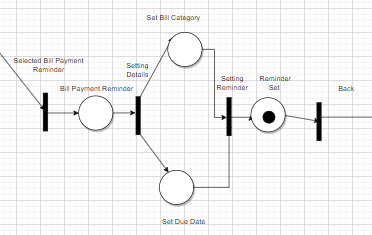
Description automatically generated

A diagram of a set of tasks

Description automatically generated

A diagram of a flowchart

Description automatically generated



A diagram of a sign

Description automatically generated