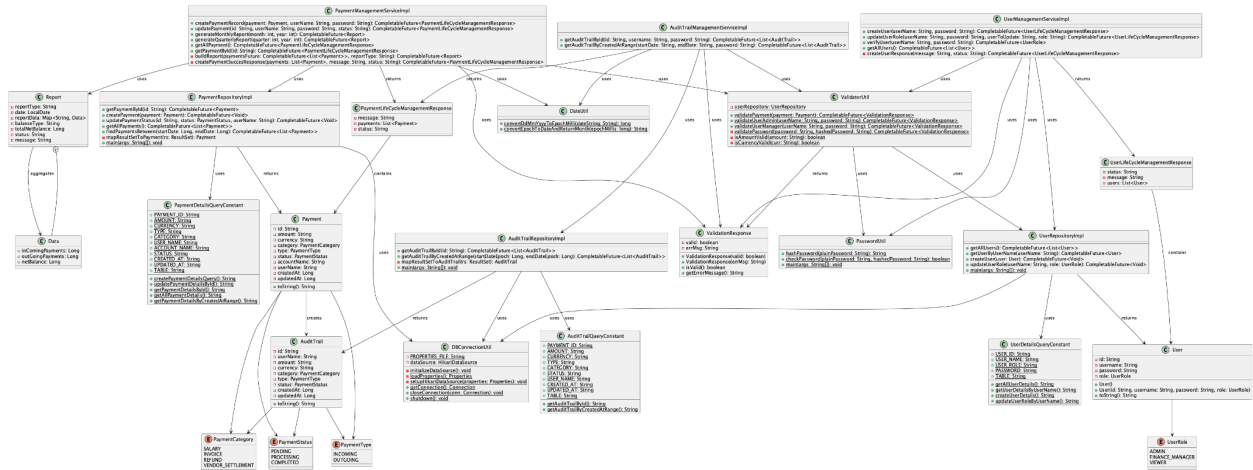
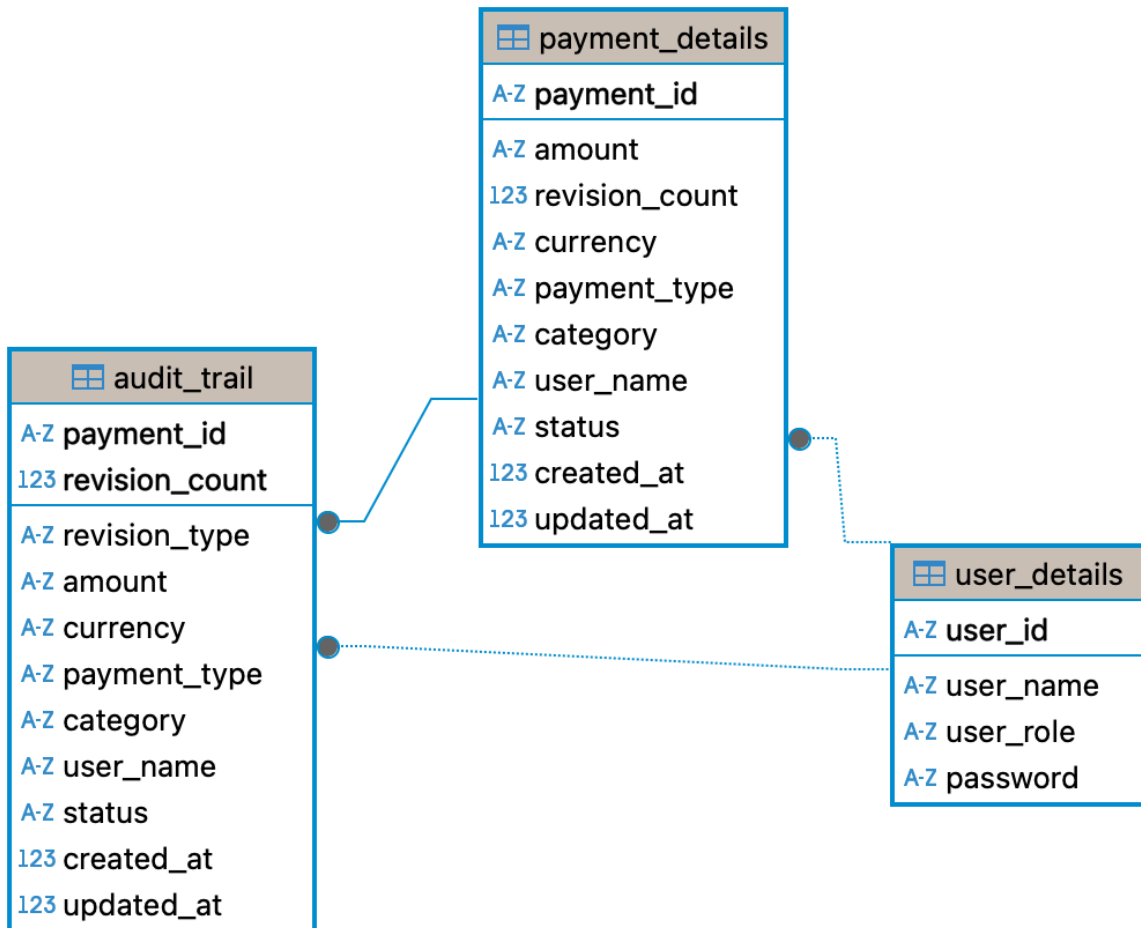


## Class Diagram

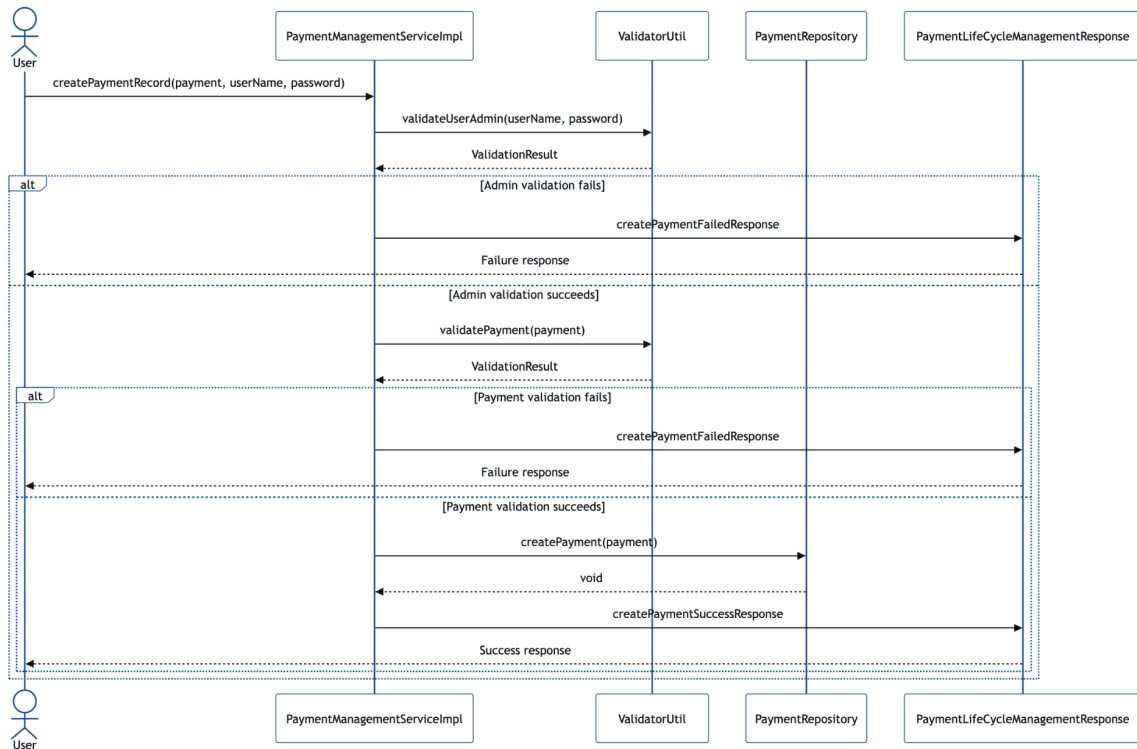


## ER Diagram

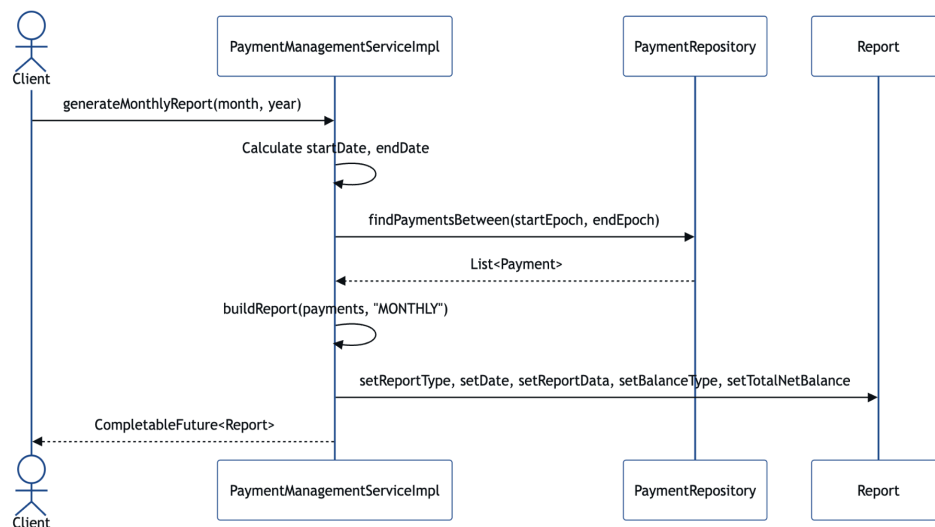


# Sequence Diagram( For Important Flows)

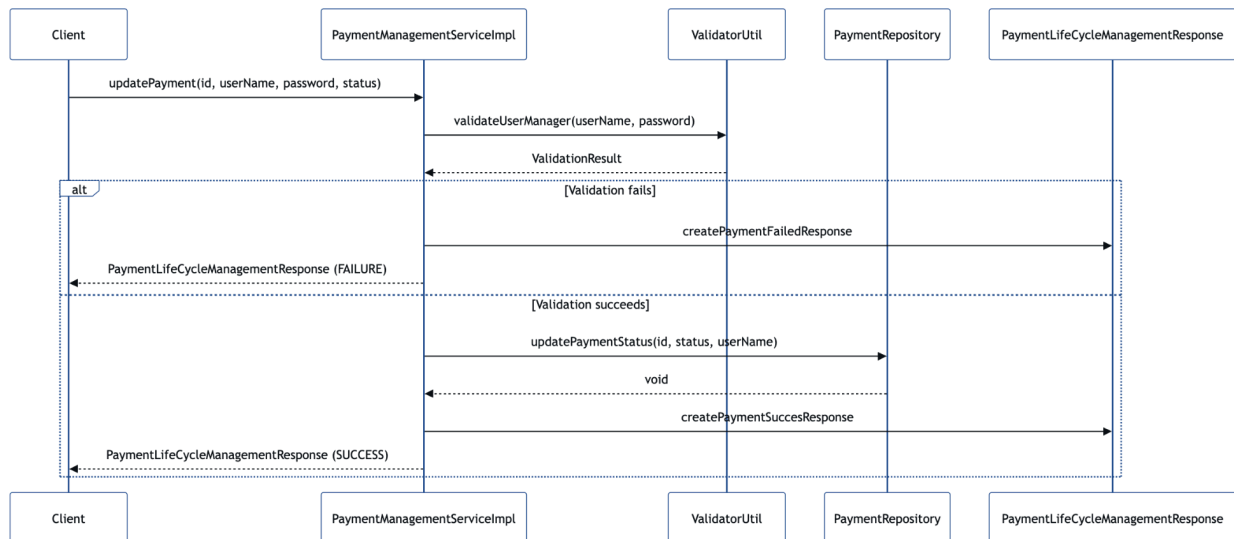
## Add Payment Flow



## Generate Report Flow



## Update Payment Flow



[README.md](#)

### # *Payment-management-system*

A Java-based payment management system for tracking, processing, and managing payments. Built using Maven and SQL for database operations. A comprehensive Java-based payment management system designed for businesses and organizations to efficiently track, process, and manage payments.

The system supports CRUD operations for payment records, advanced search and analytics, secure user authentication, multi-currency transactions, and integration with external payment gateways. Built using Maven for project management and SQL for robust database operations, it ensures reliability, scalability, and ease of maintenance.

### ## Features

- Add, update, and delete payment records
- View payment history
- Search payments by user or date
- Secure and robust backend

## ## Technologies Used

- Java
- SQL (e.g., MySQL, PostgreSQL)
- Maven

## ## Prerequisites

- Java 17 or above
- Maven 3.8+
- SQL database (configured in  
`src/main/resources/application.properties`)

## ## Setup

1. Clone the repository:

```
``sh
git clone
https://github.com/Pratham27-12/payment-management-system.git
cd payment-management-system
```

2. run sql commands mentioned inside  
`src/main/resources/config.db\_migrations` folder
3. run ApplicationMain class