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Feedback System

Java OOP project

Introduction

- **The goal of the project**

To develop a feedback system that allows users to leave feedback on products or services, and administrators to analyze these reviews to improve quality and make decisions.

- **The significance of the project:**

1. Increasing user engagement is a convenient tool for expressing opinions.
2. Analytics and decision-making – administrators receive valuable data for improvements.
3. Scalability and practicality - the project demonstrates the principles of OOP and is easily expanded.
4. Quality control– moderation of reviews maintains the reliability of the system.

Requirements

Functional:

1. **User management:** registration, authorization, roles (user, administrator).
2. **Working with reviews:** adding, editing, deleting.
3. **Object management:** adding, updating, deleting objects (products/services).
4. **Data storage:** Saving information to files or a database.
5. **Interface:** user-friendly menu (console or graphical in JavaFX).

Code overview

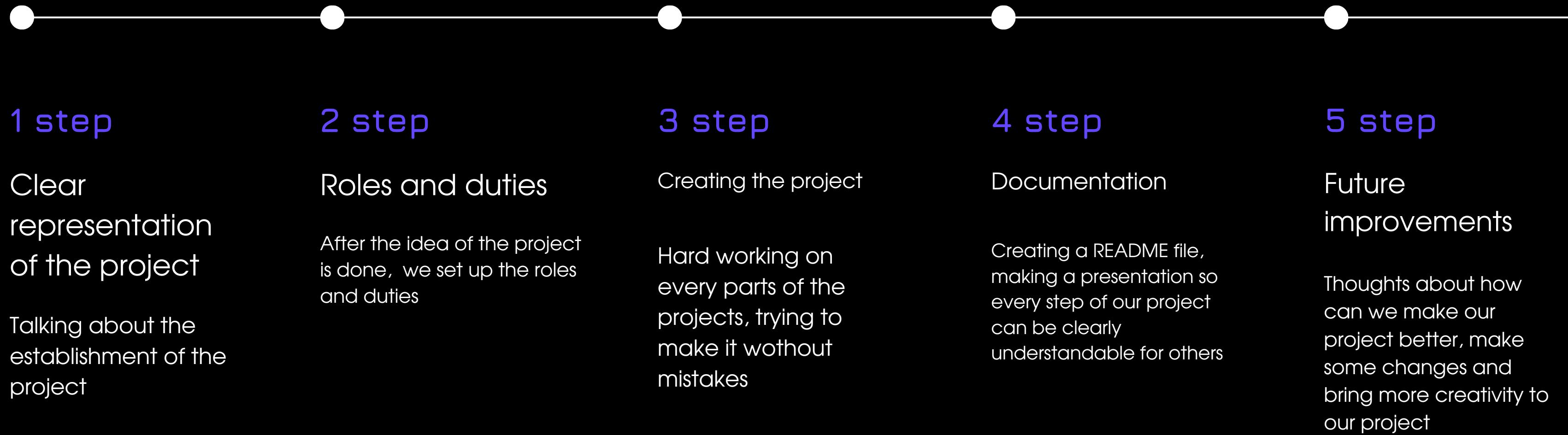
The Feedback System project is designed to collect, manage, and display feedback from users. It is built using JavaFX for the graphical user interface (GUI) and Java Database Connectivity (JDBC) for database interaction. The system allows admins and clients to submit, view, and manage feedback entries. The application follows the Model-View-Controller (MVC) design pattern for separation of concerns, providing a clean and maintainable structure.

Code structure

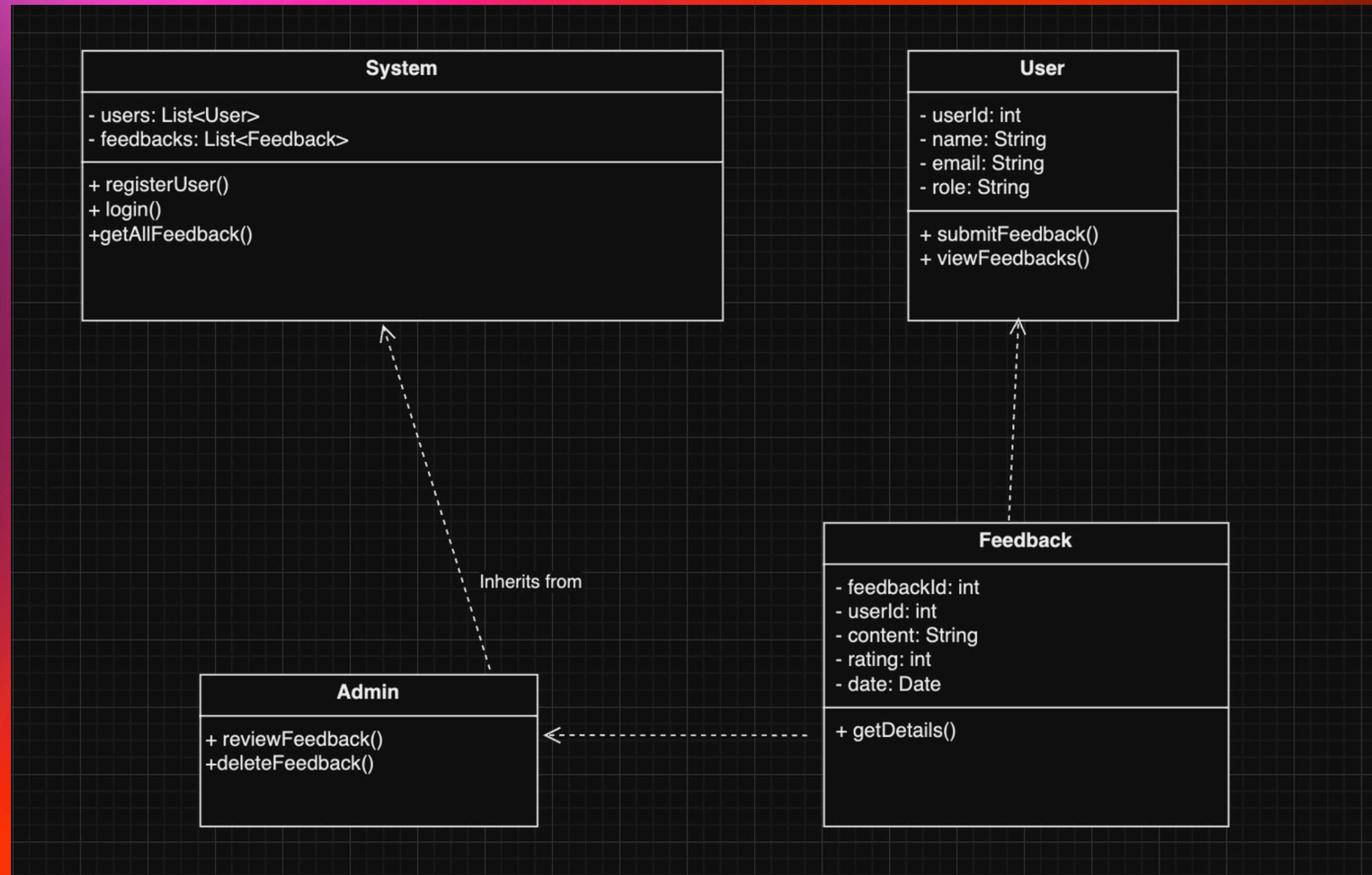
```
feedback-system/
|
|   └── src/
|       |
|       └── com/
|           |
|           └── example/
|               |
|               └── feedbacksystem/
|                   |
|                   ├── Admin.java
|                   ├── Client.java
|                   ├── Feedback.java
|                   ├── FeedbackDAO.java
|                   ├── HelloApplication.java
|                   ├── HelloController.java
|                   └── User.java
|
|   └── resources/
|       |
|       └── feedbacksystem/
|           |
|           └── hello-view.fxml
|
└── pom.xml
```

Demonstration

Project Improvement



UML diagram



Conclusion

The Feedback System project implements a basic model-view-controller (MVC) architecture using JavaFX and a MySQL database. The system allows users to submit, view, and delete feedback. It uses an abstract User class with Admin and Client subclasses to handle different user roles, where admins can delete feedback, and clients can submit it. The FeedbackDAO class manages the database interactions for CRUD operations on feedback.

The JavaFX frontend, controlled by HelloController, interacts with the backend to display and manage feedback. This structure ensures a clear separation of concerns, making the system modular and easy to maintain.