

36-CampusRecycle

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Vision

A platform for CU students to post products they want to sell and organize meetups with potential buyers

Product Description

The main goal is to make the useless resources (like old bikes or other products) recyclable and available among students and staff.

- User can post/update their resources for sell
- User can browser posted resources and contact seller

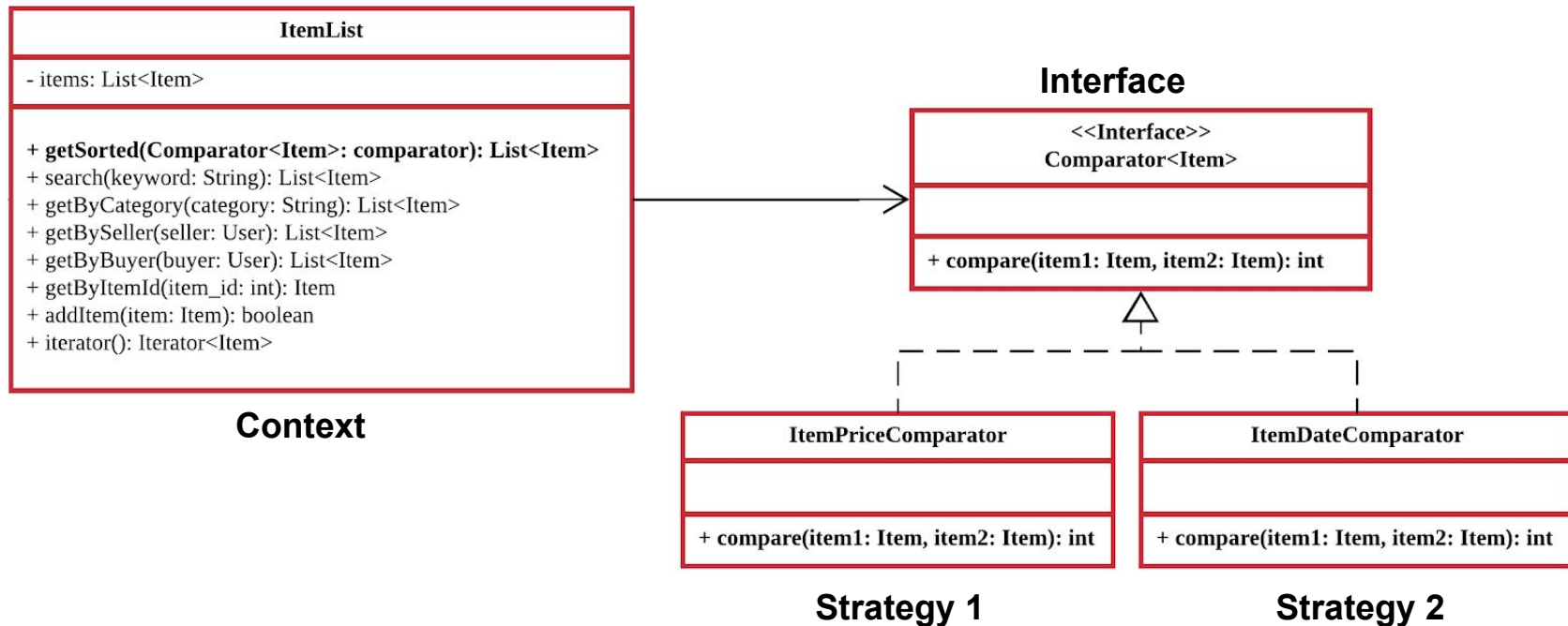
Technology Description

- Spring Boot
- Maven
- Hibernate
- Thymeleaf
- MySQL

Design pattern - Strategy

- Different Ordering
- Behavioral pattern
- Select Algorithm at runtime
- Polymorphism instead of if/else
- Extensible, Refactorable, Maintainable

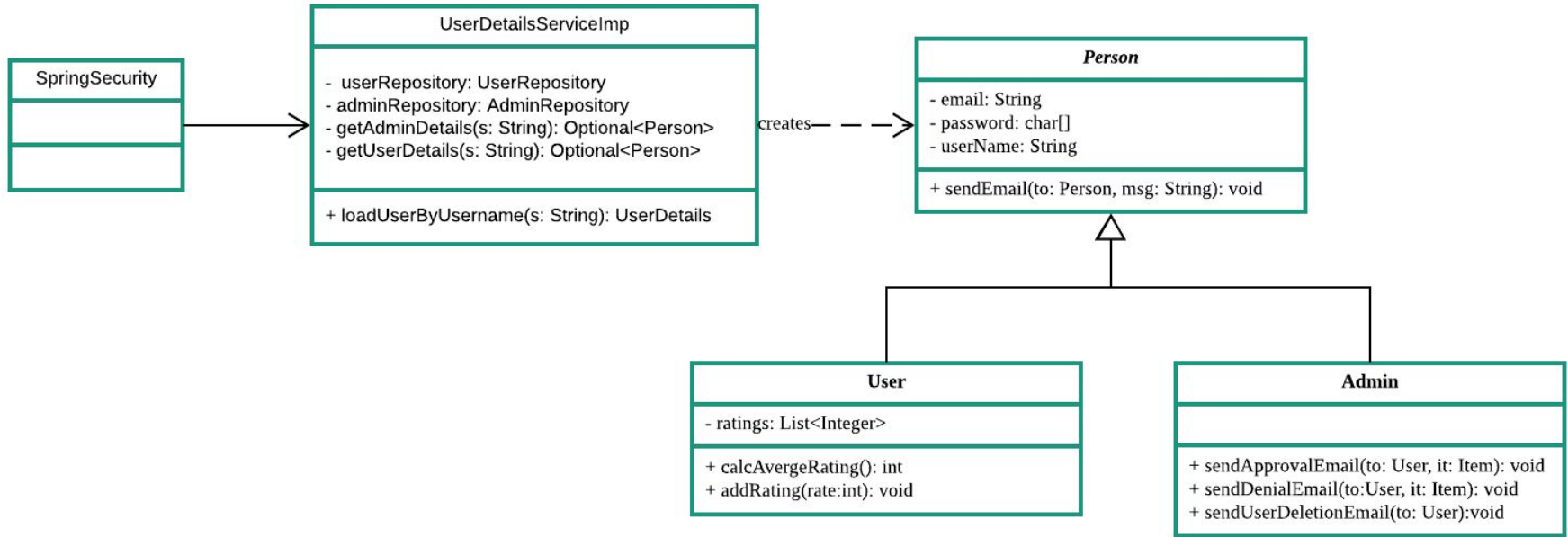
Implementation



Design pattern - Factory

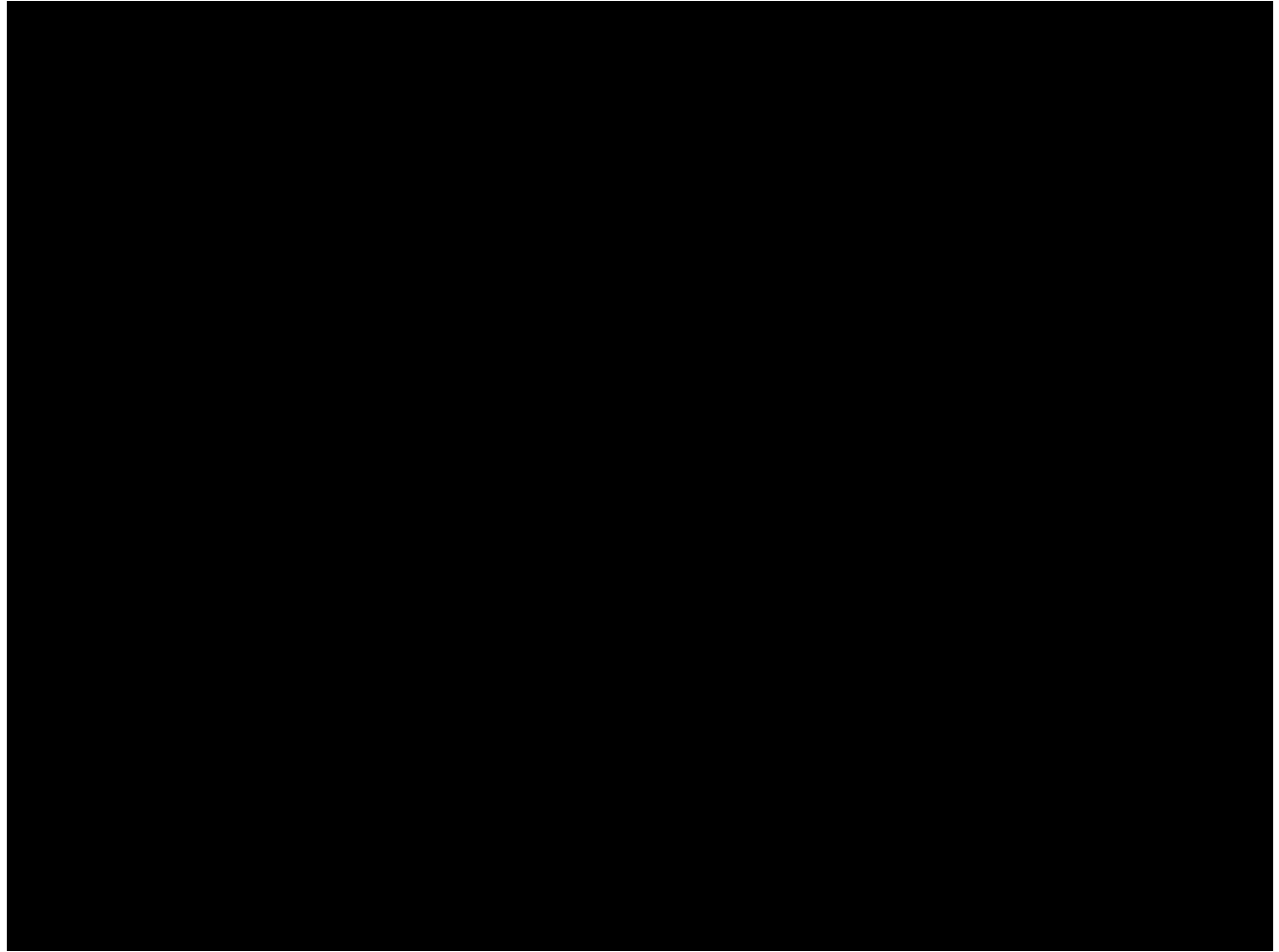
- For Spring Security + multiple user classes
- Creational pattern
- Select Class at runtime
- Object created by factory method
- Information Hiding
- Code reuse + Extensible

Implementation



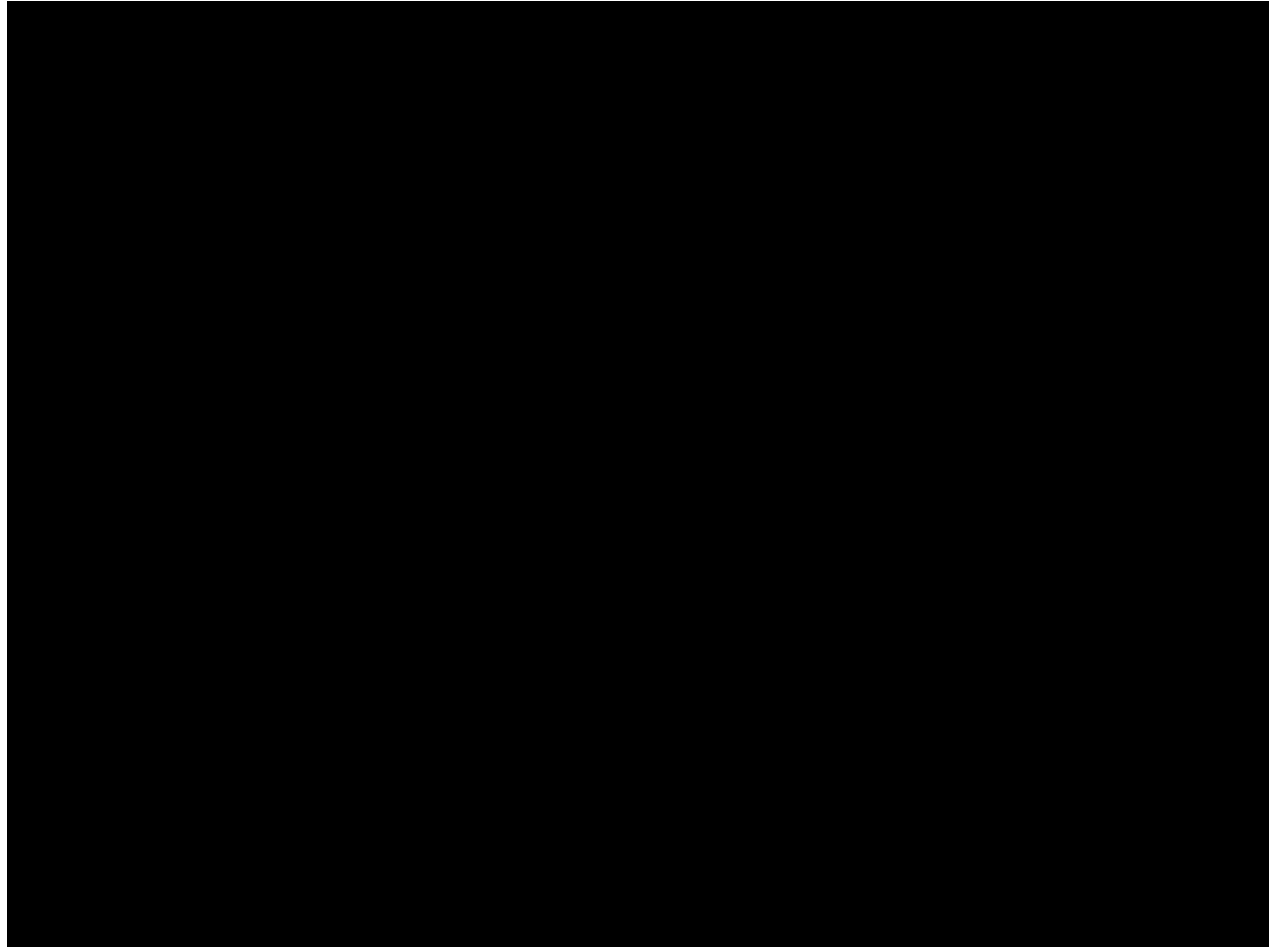
Demo- UC1

Browse item by
category



Demo- UC2

Post an item



Demo- UC3

Admin processing

