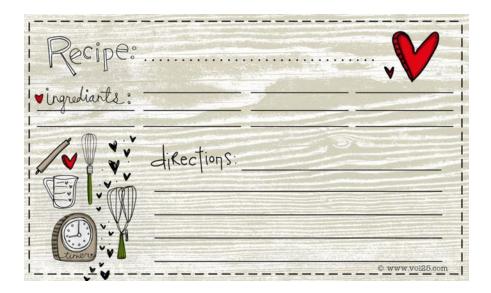
INGREDIENT TRACKER

Xiaolan Cai, Chi Chen, Andrew Guttman

PROJECT SUMMARY

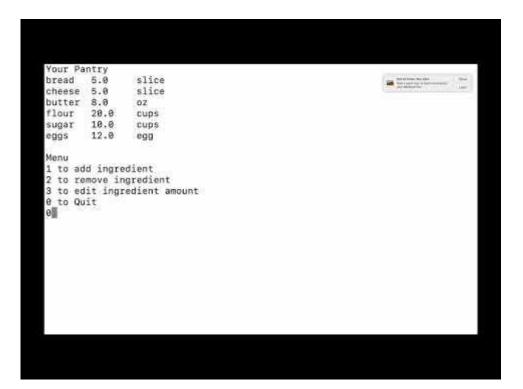
A application that allows users to keep a digital pantry of ingredients, create and share recipes and search through recipes based on available ingredients and recipes names.





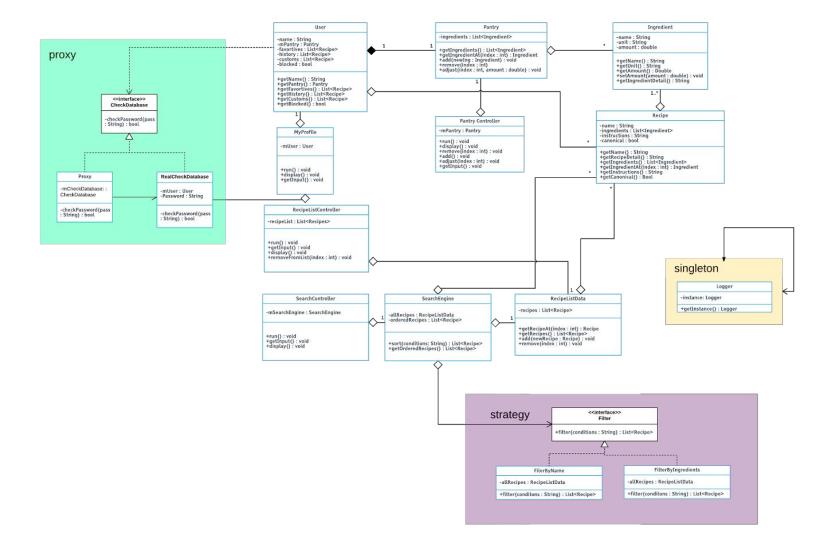
DEMO TIME

https://youtu.be/cFeC9kh-r9l

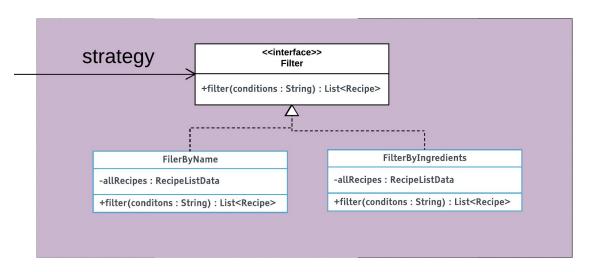


HOW WE PROGRAM BASED ON DIAGRAM

- Programming after design is easy
- Less opportunity to mess up
- Figuring out what to build was a more involved problem than actually building it

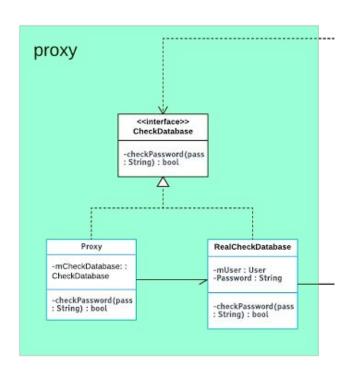


STRATEGY



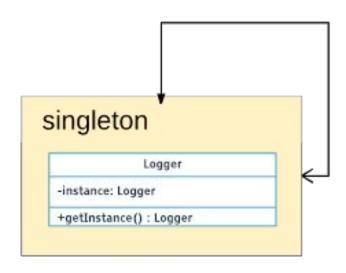
We use strategy
design pattern in
giving our
different filtering
method a common
interface

PROXY



We use proxy
design pattern
to protect
user's
information in
database

SINGLETON



We use singleton design pattern in making the Logger class

WHAT WE LEARN FROM THIS PROJECT

- How to design and analyze user requirements, use cases, etc. User requirements should be concise and easy to read from users' perspective
- UML diagrams make it easy to model the behavior of each component and visualize the interactions between them
- Design patterns make software engineering effective. We have used several design patterns for our software
- How to use **Maven**, **Spring MVC**, **hibernate** and other technologies to create a web application