

IOT APPLICATION FOR GROCERIES



TEAM 19
MINA JANG
ANDREW BURCH
JOSH WELSH

TABLE

PROJECT OVERVIEW

SYSTEM OVERVIEW

SYSTEM DIAGRAM

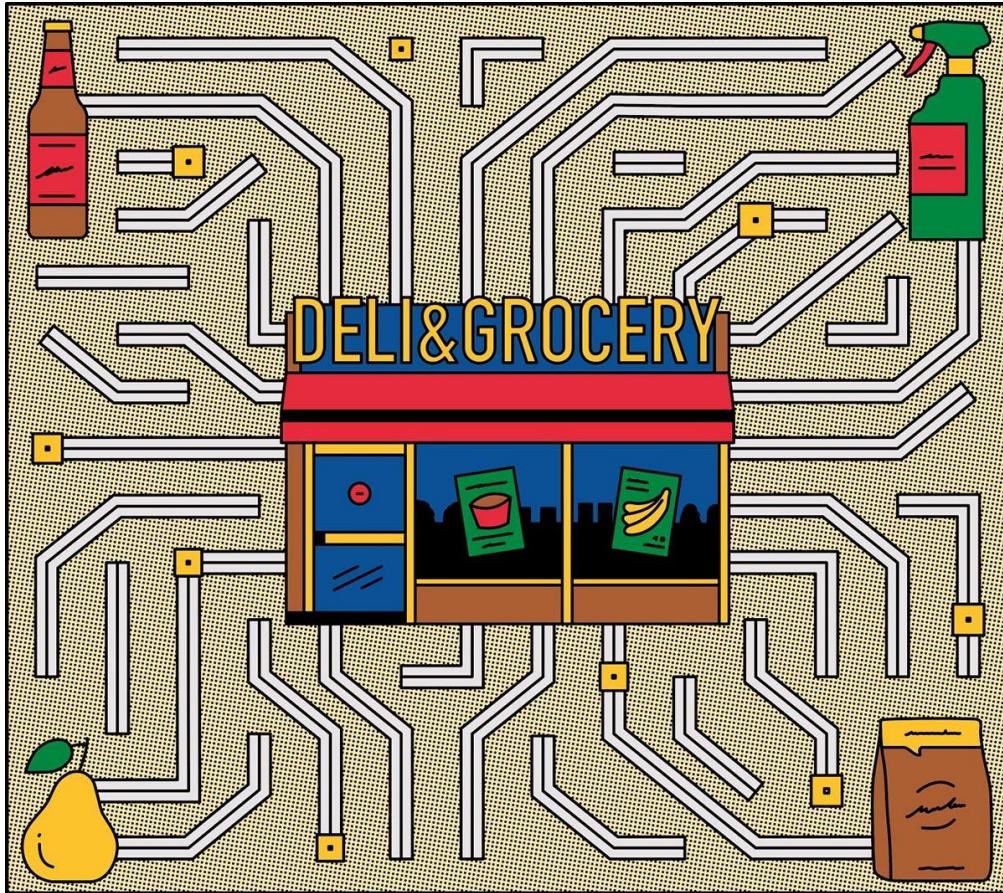
SYSTEM ARCHITECTURE

SEQUENCE DIAGRAM

CLASS DIAGRAM

DESIGN PATTERN

PROJECT OVERVIEW



IOT FOR GROCERIES

BARCODE READABILITY

SCAN BARCODE TO RETRIEVE
GROCERY INFORMATION

EXPIRATION DATE

ACCESSING DATABASE TO FETCH
EXPIRATION INFORMATION

PROVIDE RECIPE

RECIPE SEARCH ENGINE FOR
EXISTING INGREDIENTS

SYSTEM OVERVIEW

FUNCTIONALITY

DATABASE
GROCERY LIST ADD/DELETE
NOTIFICATION
RECOMMENDATION

MONGODB

HIGH VOLUME DATA STORAGE
RAPID GROWTH

DATABASE

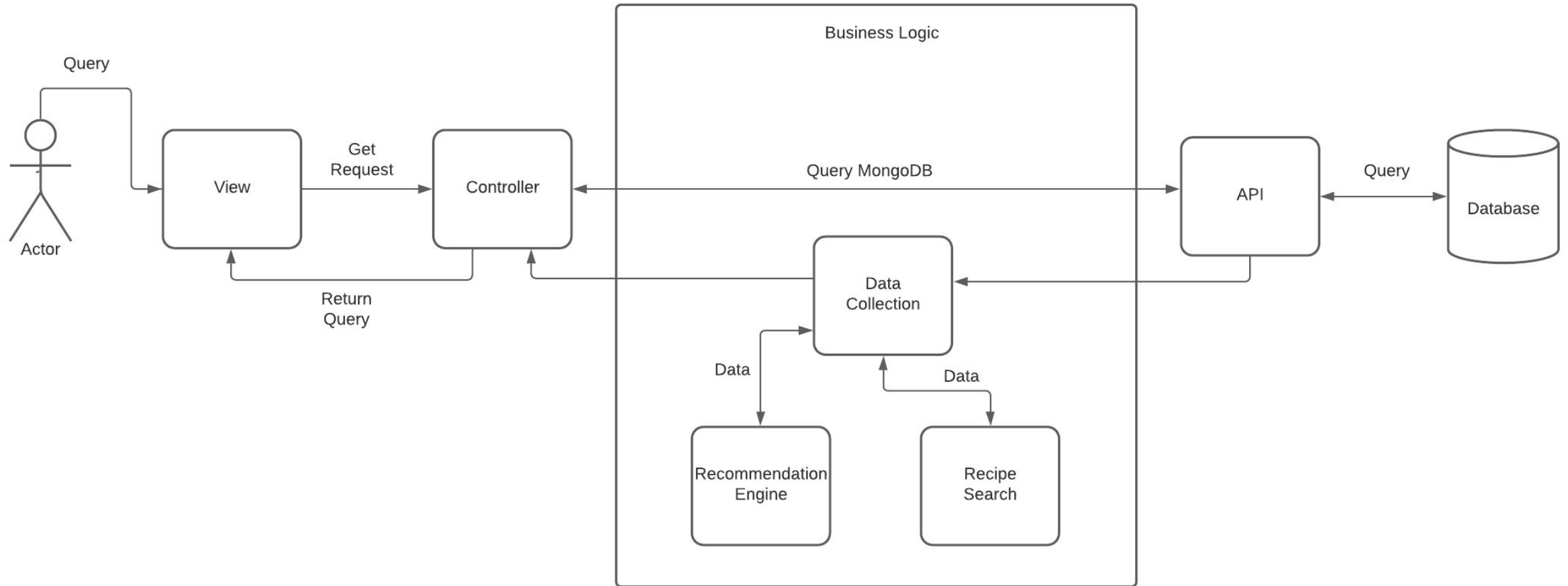
EXPIRATION DURATION
RECIPE INFORMATION



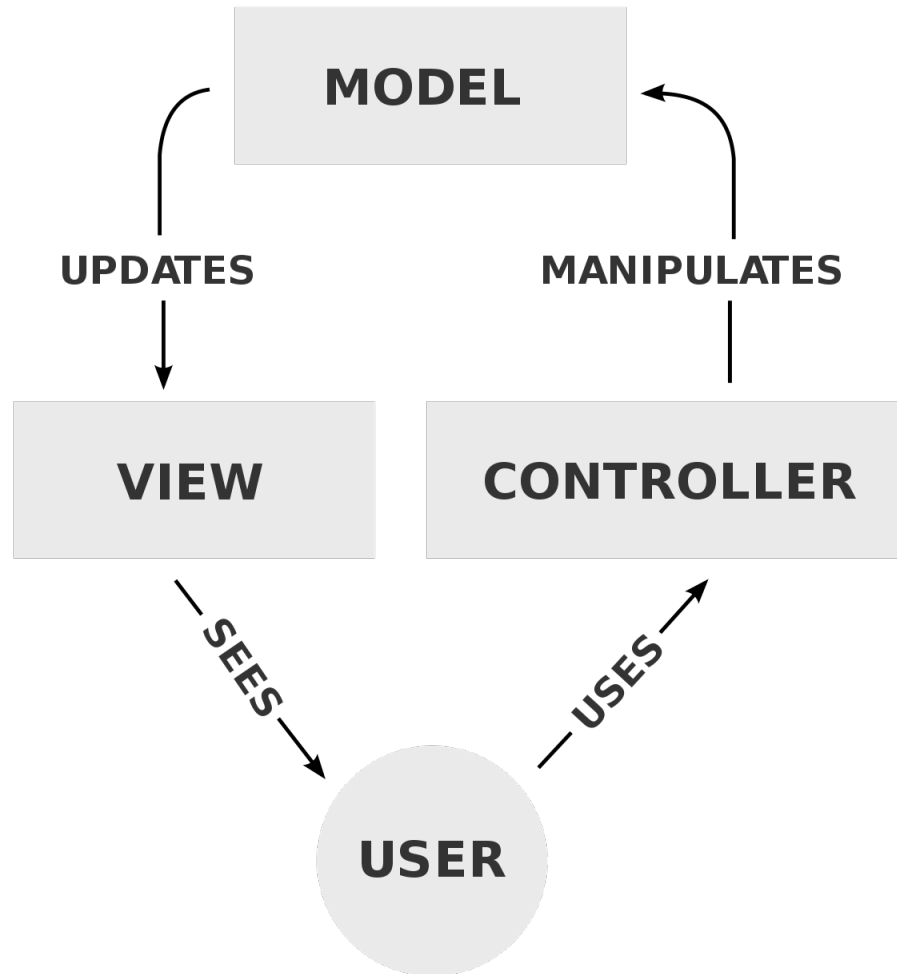
Four-Tier Architecture Design

- 1) User View: React-Native
- 2) User Controller: Javascript/Nodejs
- 3) Business Logic Layer: Python
- 4) Model: MongoDB

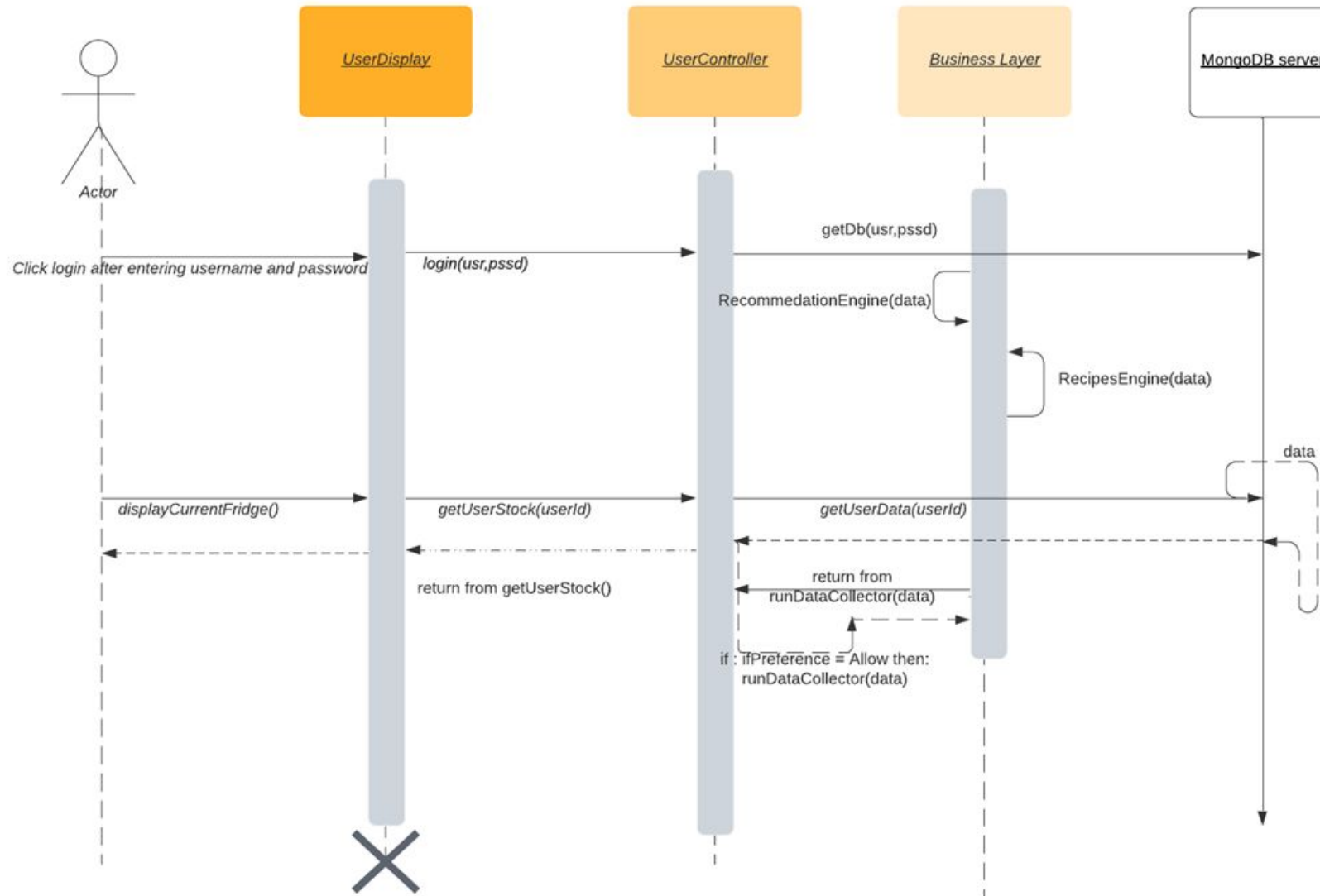
SYSTEM DIAGRAM



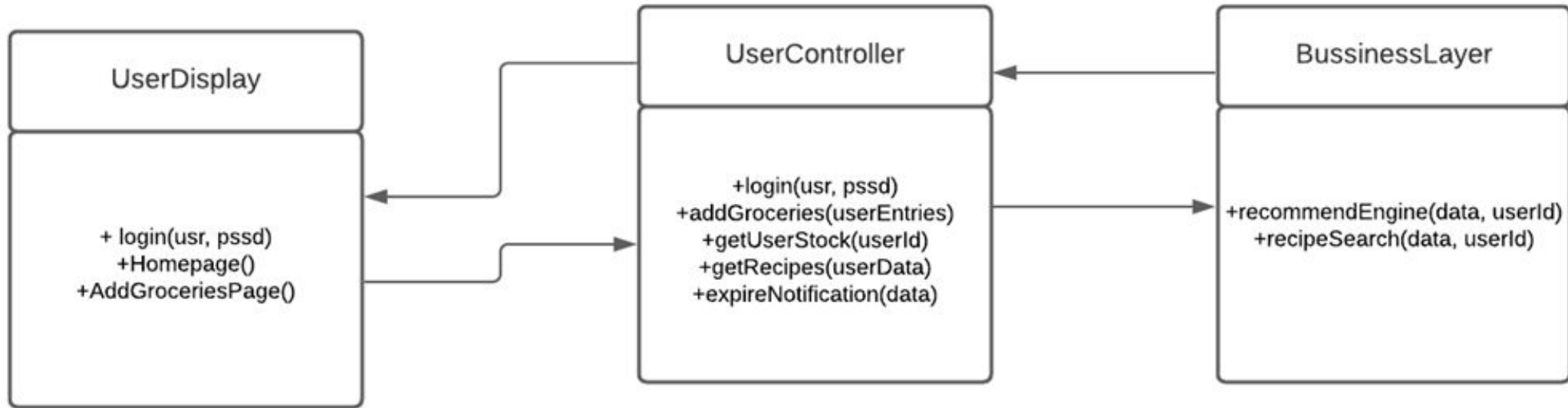
MVC FRAMEWORK



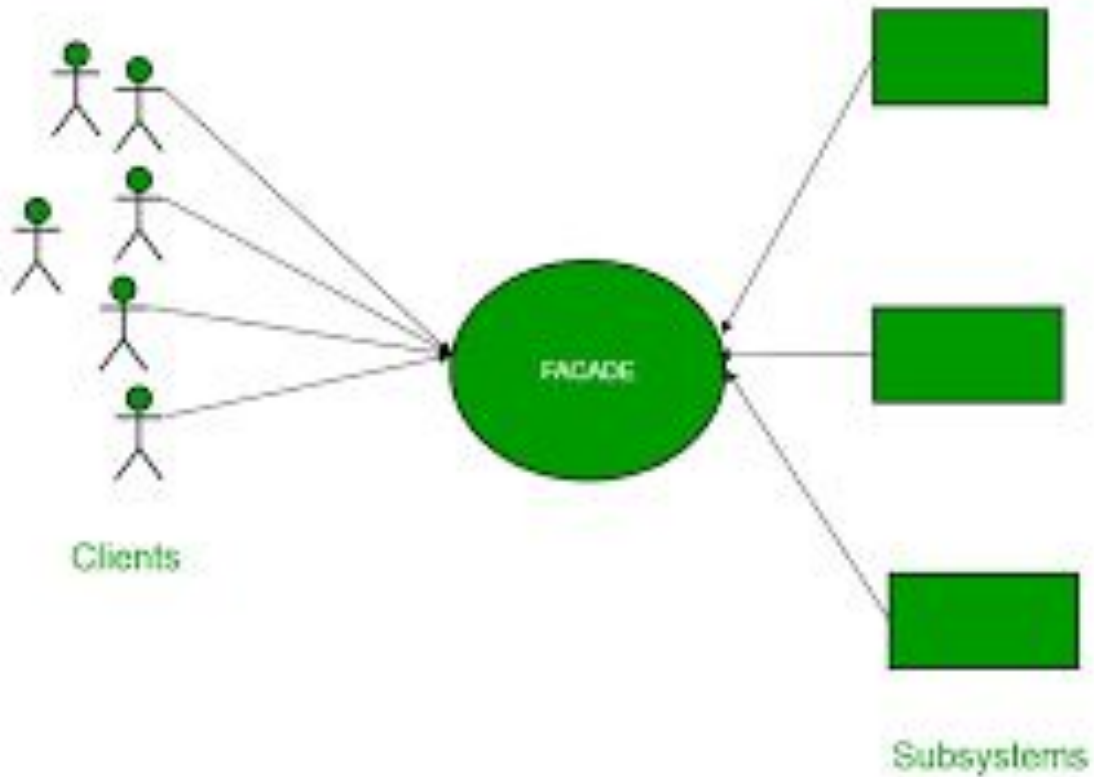
SEQUENCE DIAGRAM



CLASS DIAGRAM



DESIGN PATTERN



FAÇADE PATTERN



THANK YOU
FOR
YOUR TIME

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