

TEAM10

SMART

REFRIGERATOR

SYSTEM

Software
Requirement  Design
Specification

TEAM10
**SMART
REFRIGERATOR
SYSTEM**

Software
Requirement & Design
Specification

Contents

Introduction

Requirements

System Design

Frontend

CV

Backend

Database

Testing Plan

Our system provides...

SMART REFRIGERATOR



Ingredient Cognition
and Management



Recipe Recommendation
and Cooking Guidance



Temperature Control
and Smart-thawing

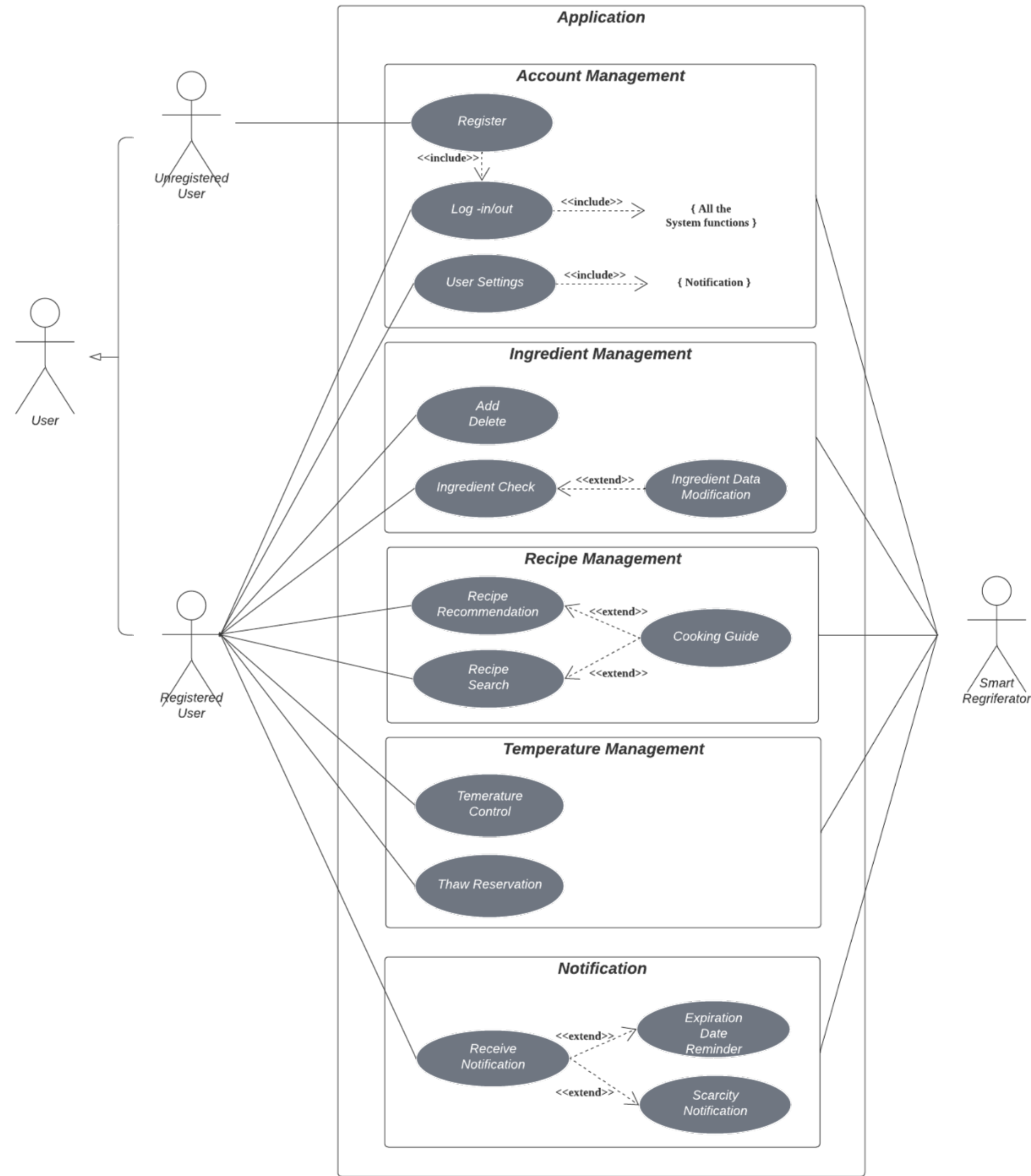


Expiry and Scarcity
Notification



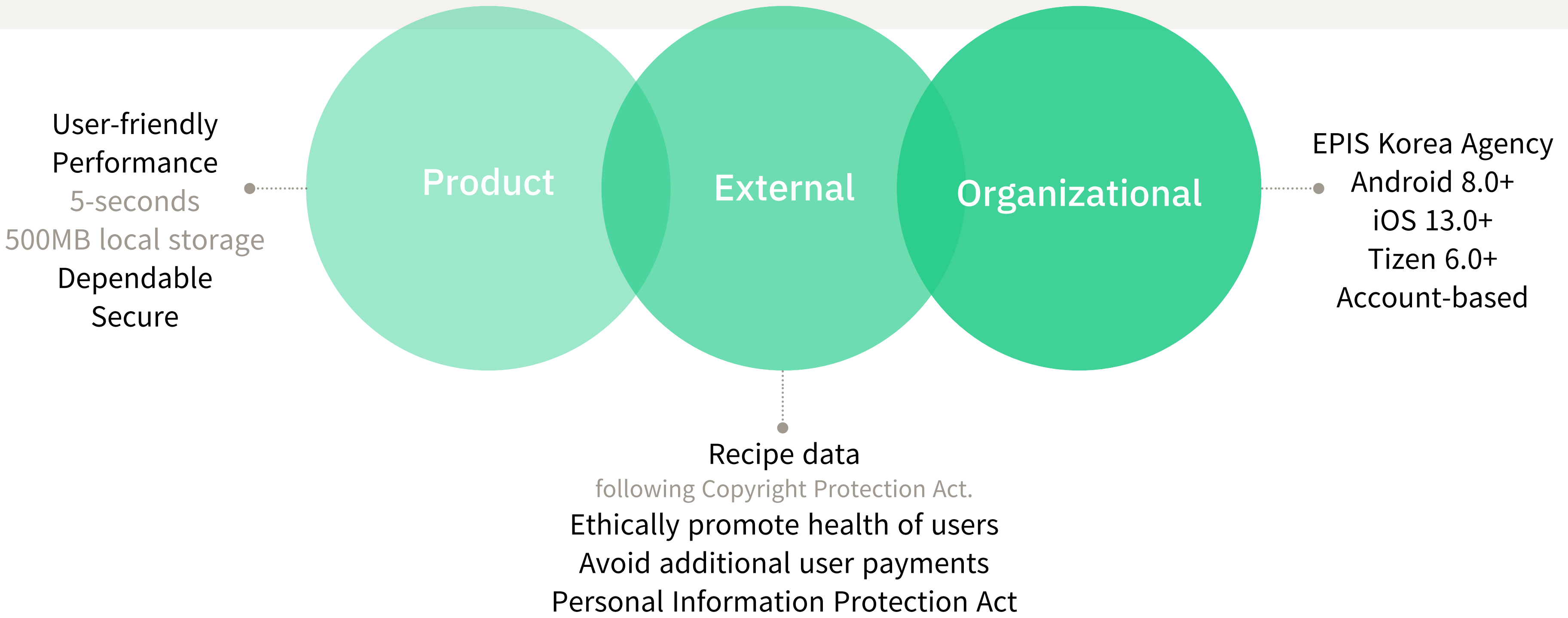
Functional Requirements

USE CASE DIAGRAM



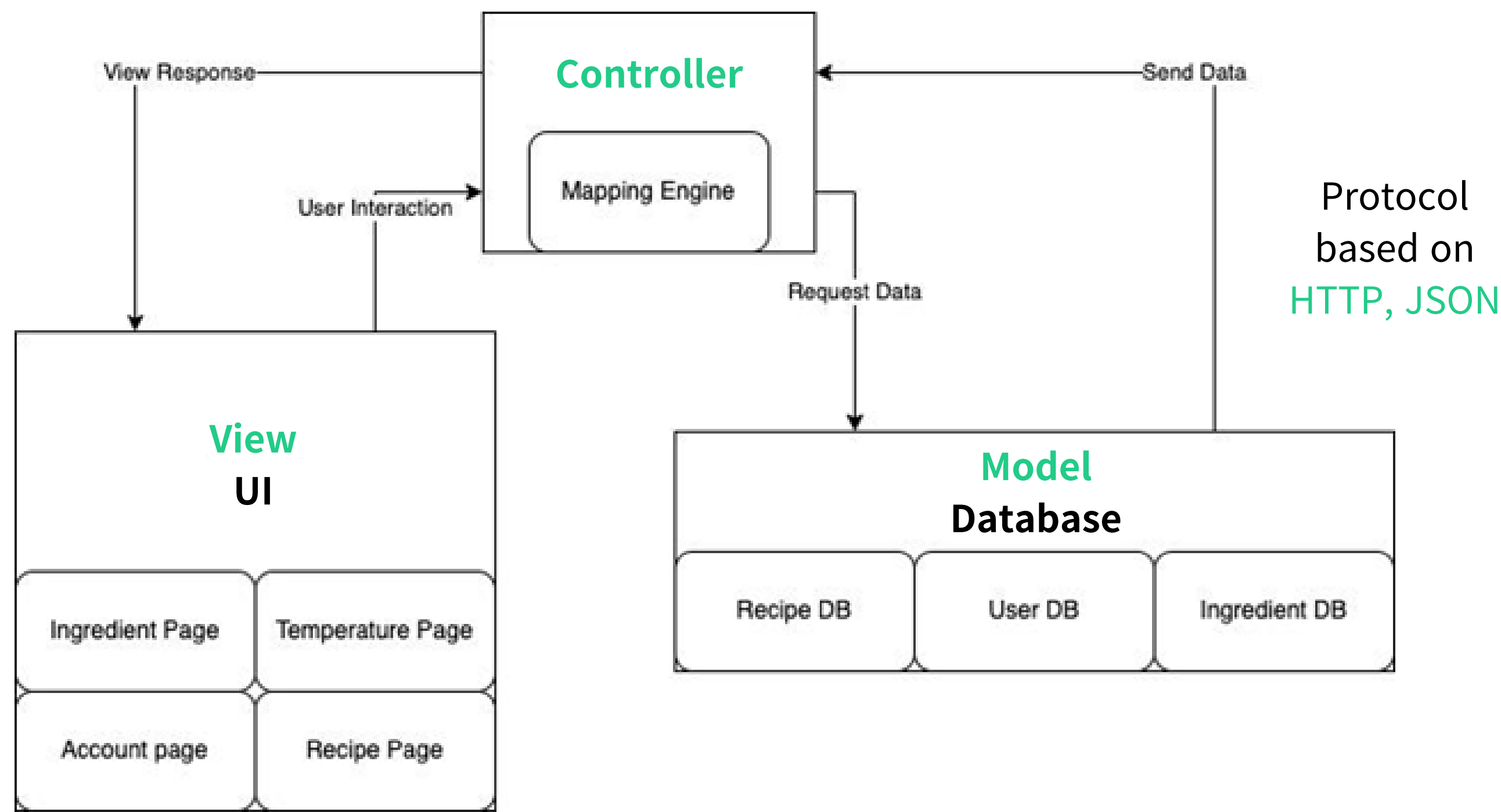
Non-functional Requirements

IN SHORT



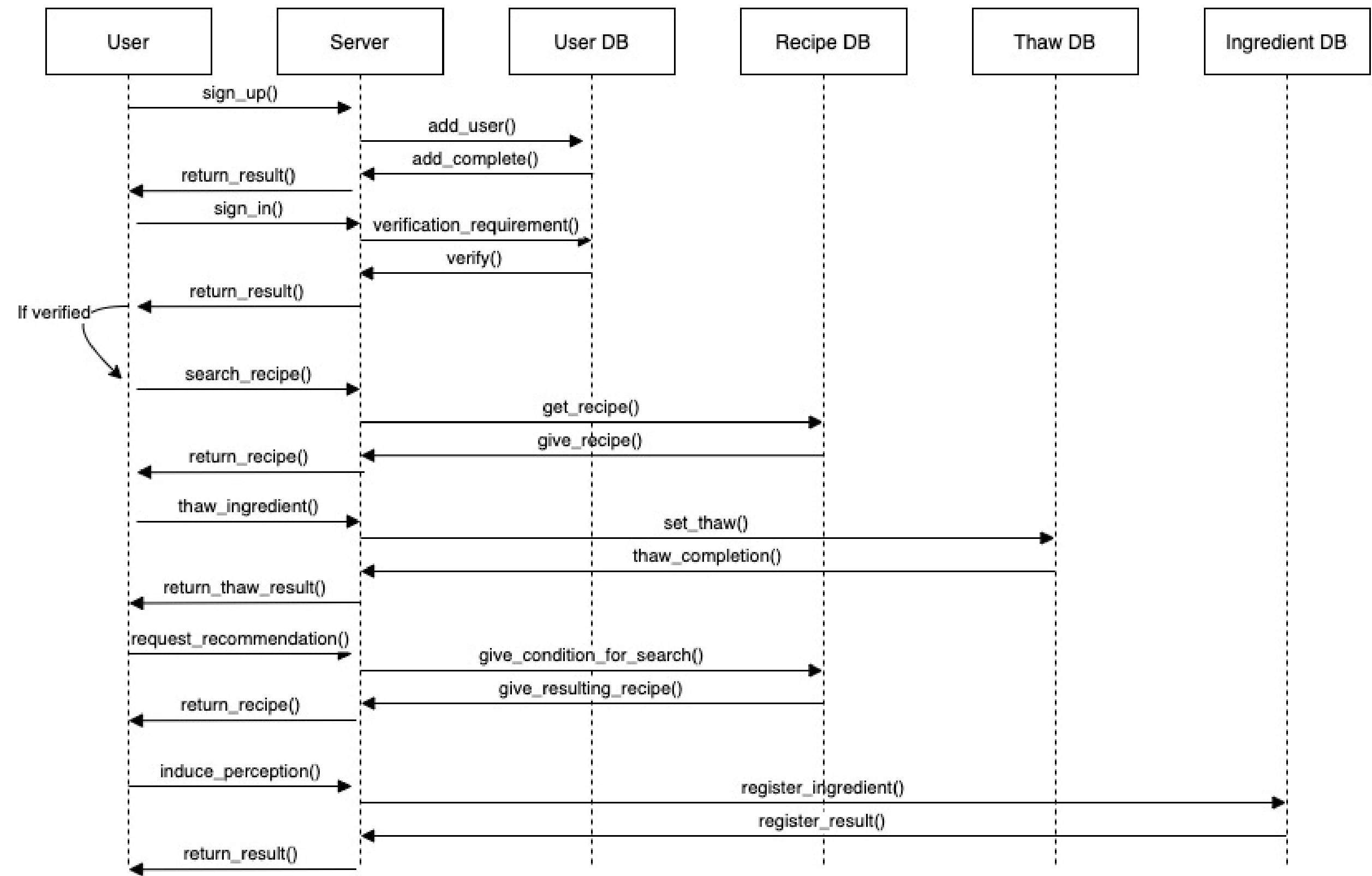
System Overview

MVC Architecture



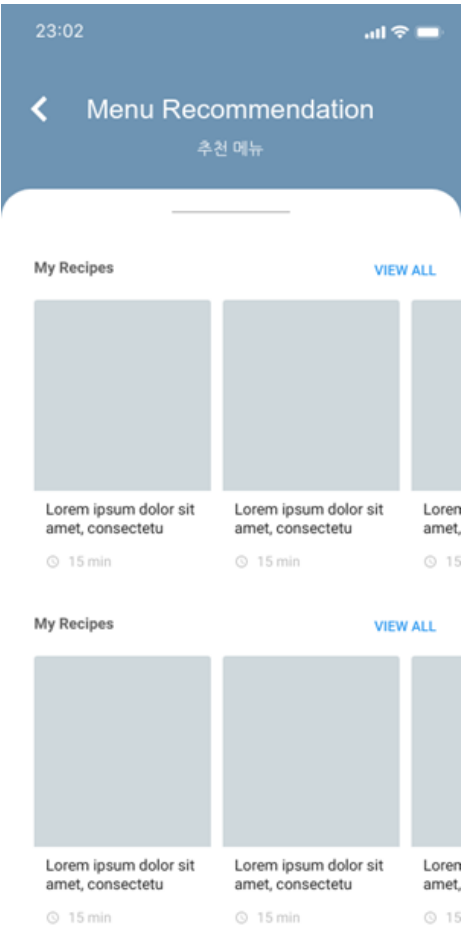
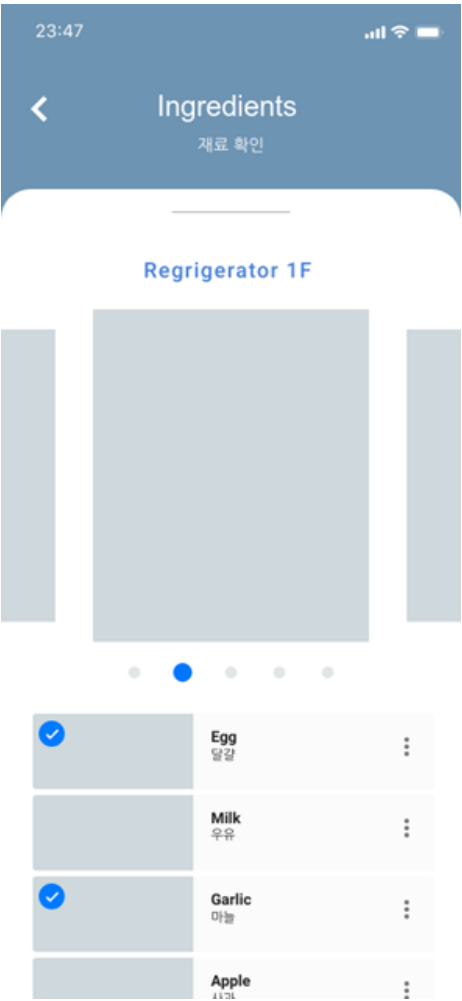
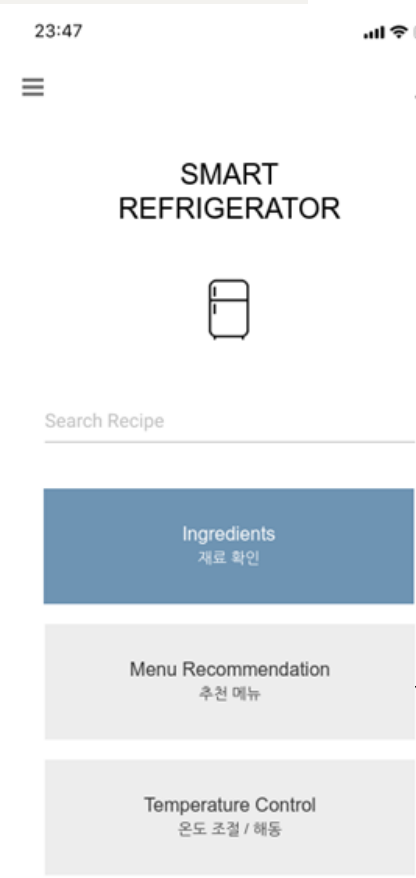
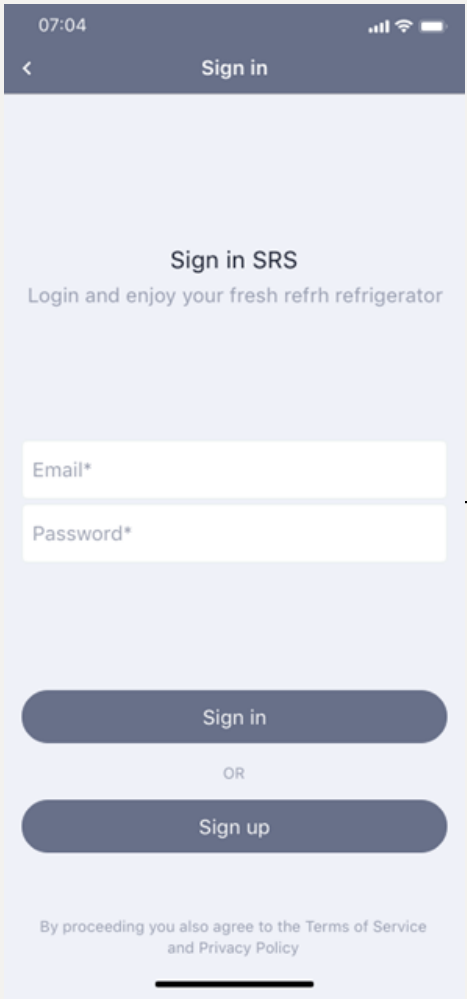
System Overview

SEQUENCE DIAGRAM



Brief UI Flow

FRONTEND

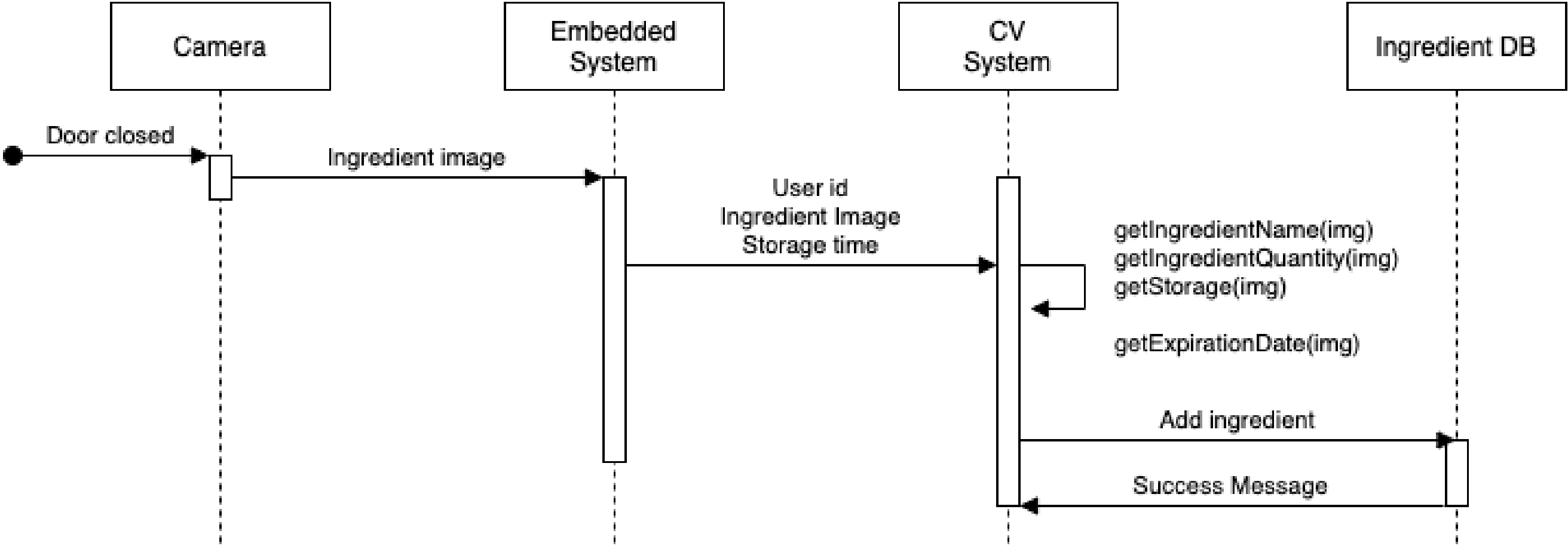


(on the refrigerator LCD)



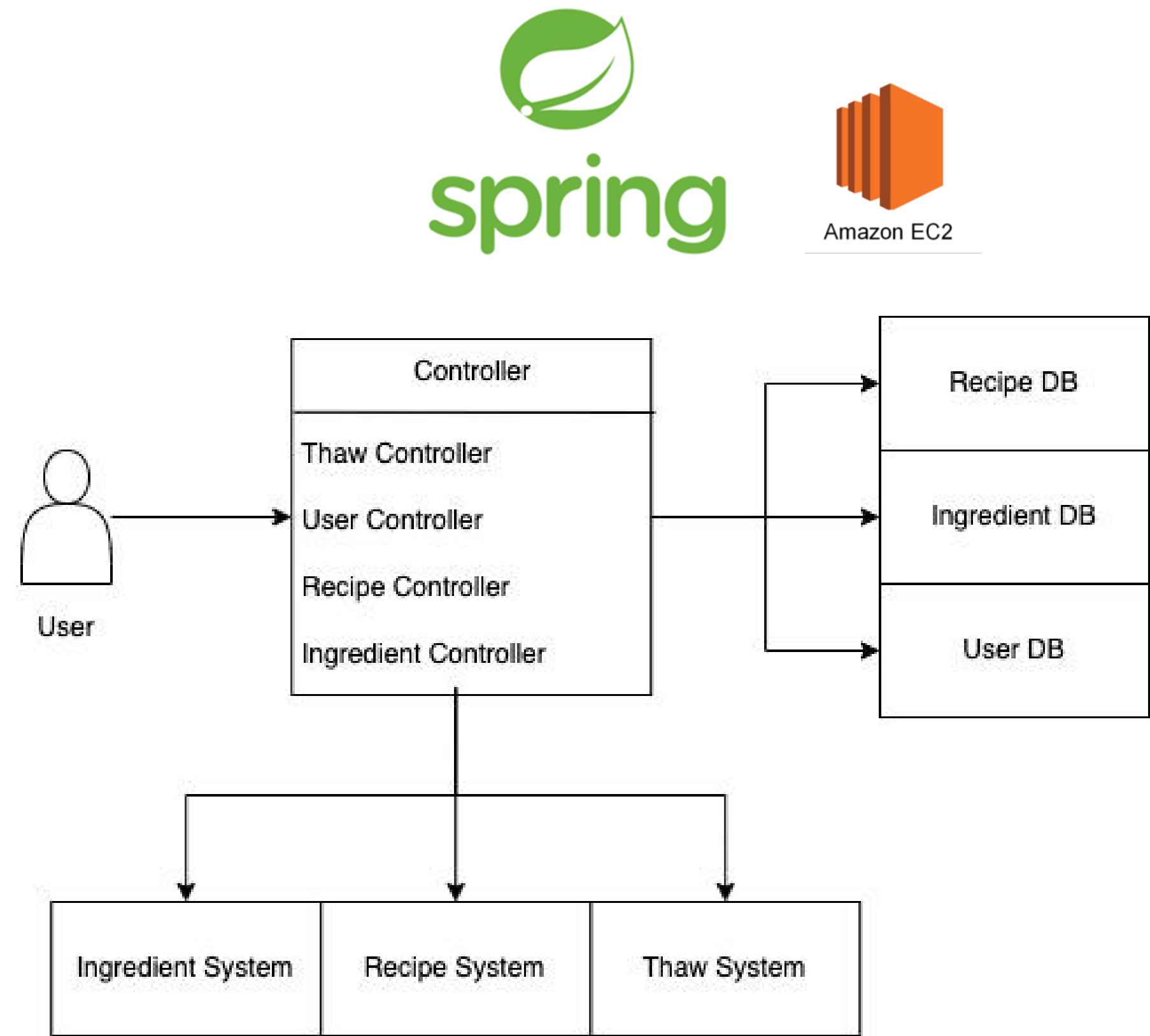
CV System

SEQUENCE DIAGRAM



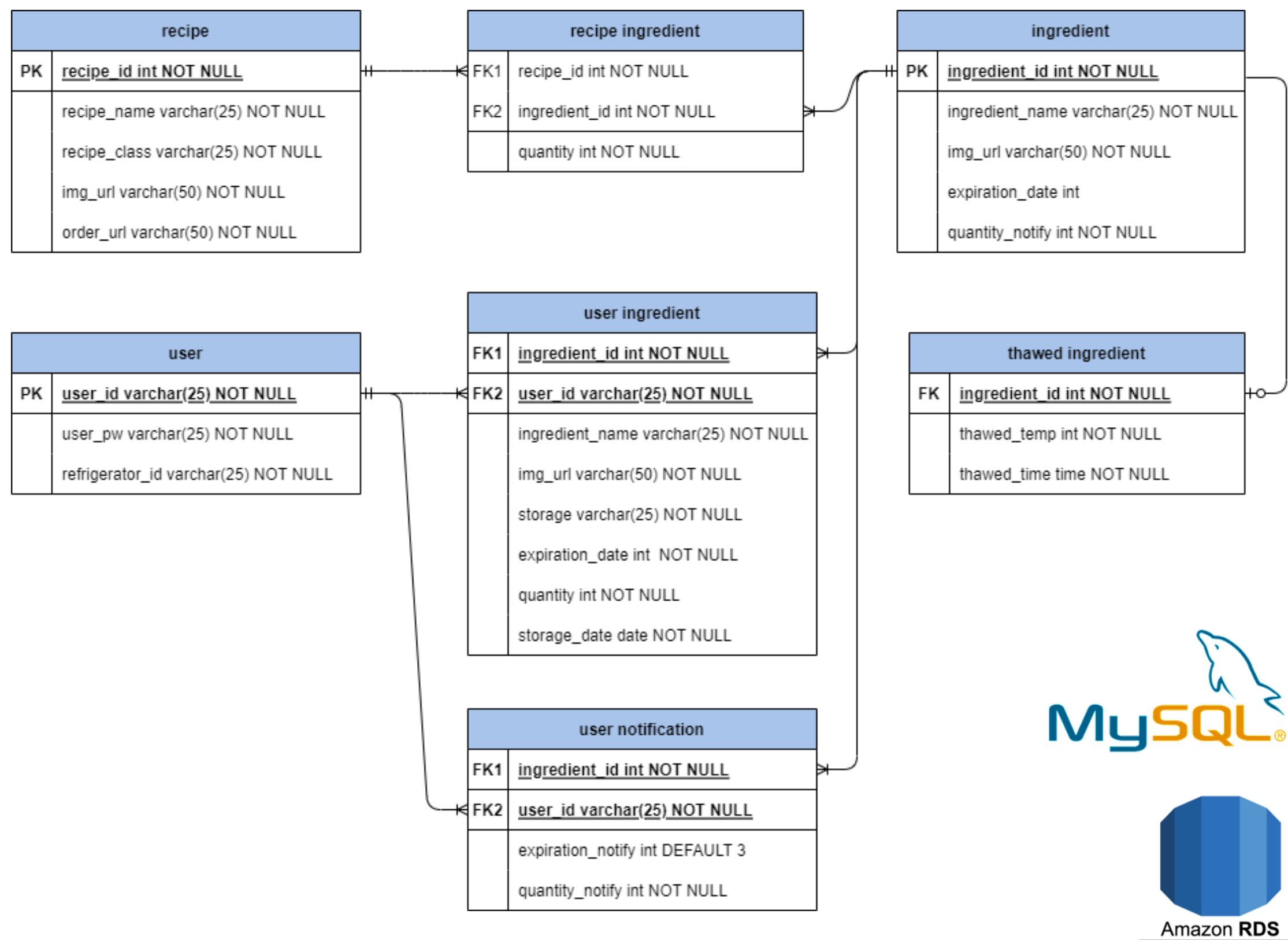
Backend Design

OVERALL ARCHITECTURE



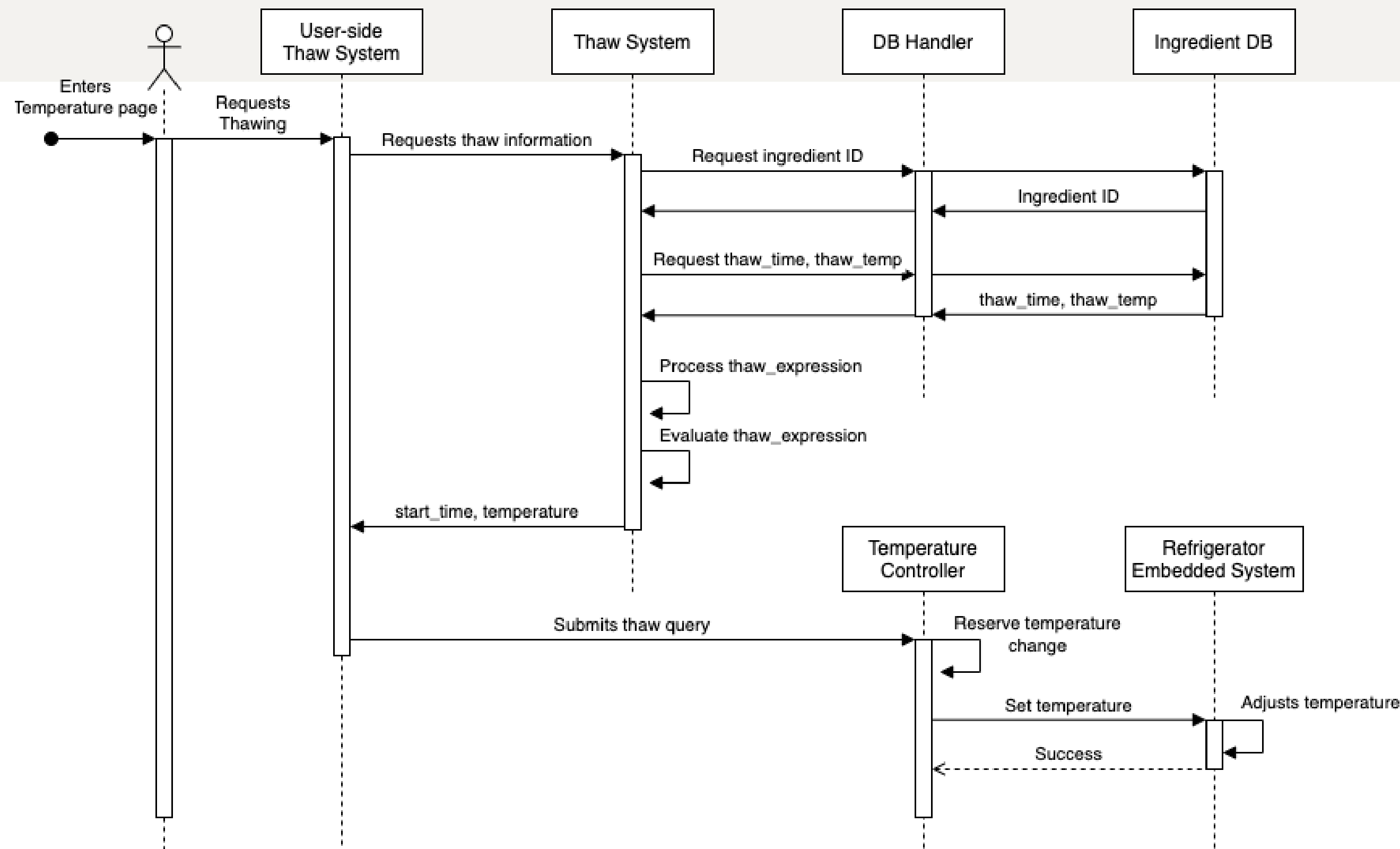
Database Design

ER DIAGRAM



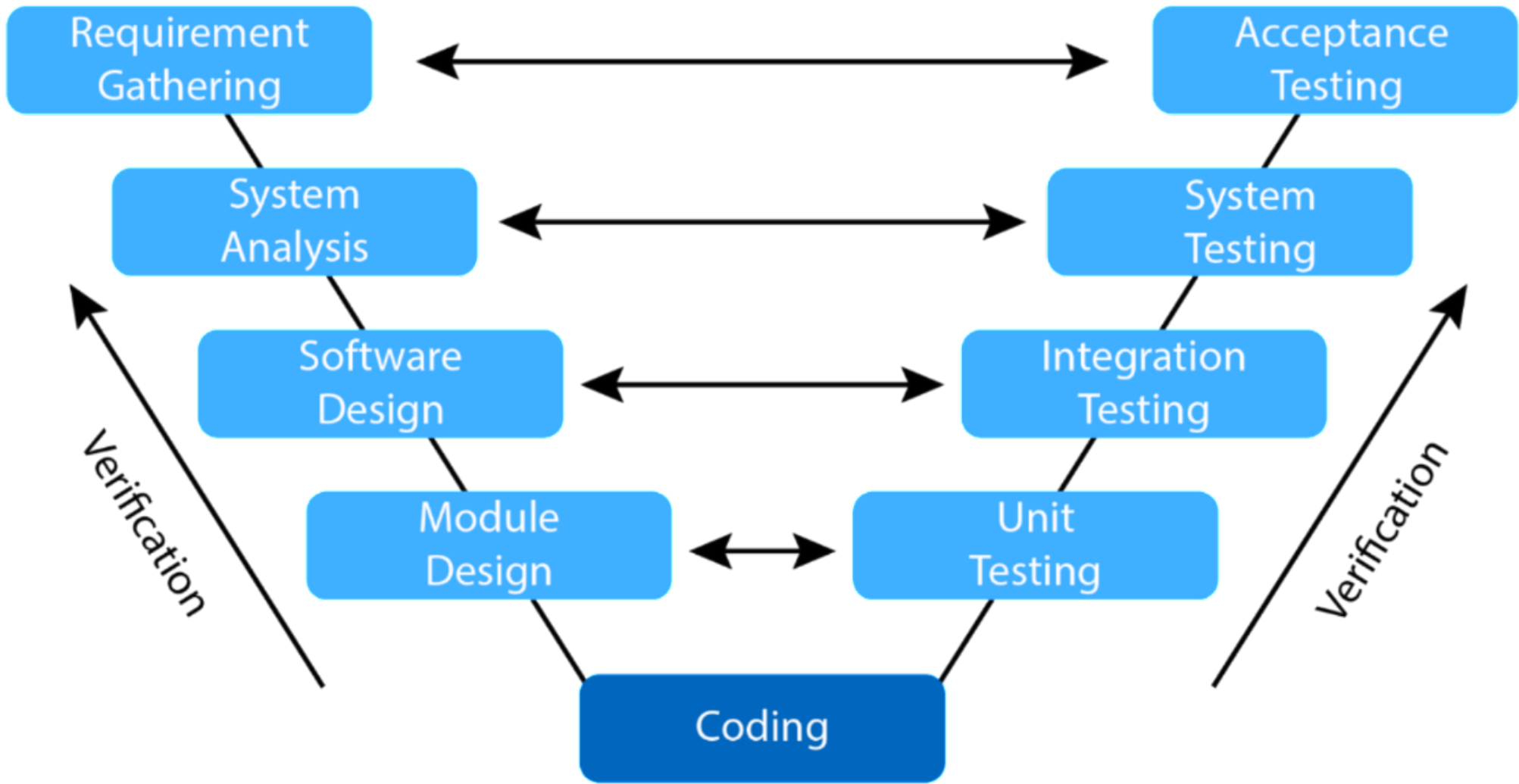
Thaw System

IN DETAIL



Testing Plans

With Software Development Life Cycle



 ver. 12

 ver. 14

 ver. 6

THANK YOU



TEAM10

Backend

| Junyeong Kwak
Junyeong Park
Seongjun Kim
Amirah

CV

| Woohyeon Park

Frontend

| Seyoung Kim
Suyeon Park