

JustRecipe

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Introduction

Chapter 1

Dataset

Chapter 2

Design

2.1 Introduction To The Application

2.2 Requirements

2.2.1 Main Actors

2.2.2 Functional Requirements

Unregistered User

- Sign-up

User

- Login/Logout
- Search a recipe
- Browse suggested recipes
- Browse recipes of following users
- Add a recipe
- Edit own recipes
- Comment recipes
- Follow another user
- Like a recipe

Moderator

- Delete comments

Administrator

- Delete users
- Delete recipes
- Elect moderators

2.2.3 Non-Functional Requirements

2.2.4 Actors and Use Cases

The use case diagram of the application is described in the figure 2.1

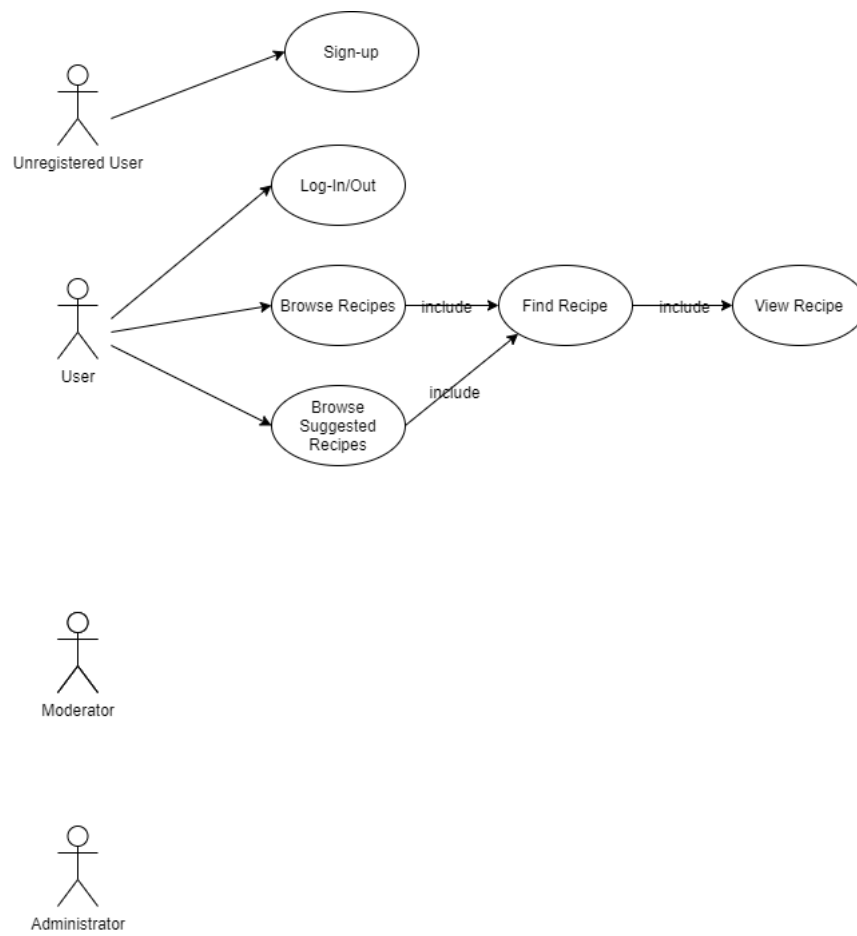


Figure 2.1: Use Case Diagram

2.3 UML Class Diagram

2.4 Data Model

2.4.1 DocumentDB

2.4.2 GraphDB

2.5 Distributed Database Design

2.5.1 Replicas

2.5.2 Sharding

2.6 Software Architecture

Chapter 3

Implementation and Test

3.1 Main Modules

3.2 Main Packages and Classes

3.3 Most Relevant Queries

3.3.1 MongoDB

3.3.2 Neo4J

3.4 Unit Test

3.5 Tests and Statistical Analysis

Chapter 4

User Manual