

JustRecipe

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Contents

| | | |
|----------|-------------------------------------------|----------|
| 1 | Dataset | 3 |
| 2 | Design | 4 |
| 2.1 | Introduction To The Application | 4 |
| 2.2 | Requirements | 4 |
| 2.2.1 | Main Actors | 4 |
| 2.2.2 | Functional Requirements | 4 |
| 2.2.3 | Non-Functional Requirements | 4 |
| 2.2.4 | Actors and Use Case | 4 |
| 2.3 | UML Class Diagram | 5 |
| 2.4 | Data Model | 5 |
| 2.4.1 | DocumentDB | 5 |
| 2.4.2 | GraphDB | 5 |
| 2.5 | Distributed Database Design | 5 |
| 2.5.1 | Replicas | 5 |
| 2.5.2 | Sharding | 5 |
| 2.6 | Software Architecture | 5 |
| 3 | Implementation and Test | 6 |
| 3.1 | Main Modules | 6 |
| 3.2 | Main Packages and Classes | 6 |
| 3.3 | Most Relevant Queries | 6 |
| 3.3.1 | MongoDB | 6 |
| 3.3.2 | Neo4J | 6 |
| 3.4 | Unit Test | 6 |
| 3.5 | Tests and Statistical Analysis | 6 |
| 4 | User Manual | 7 |

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

2.2.3 Non-Functional Requirements

2.2.4 Actors and Use Case

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

2.3 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