Dealistic

Design Specification



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# Preface

## Objectives

## Readership

## Document Structure

# Introduction

## Objectives

## Applied Diagram

### UML

### Package Diagram

### Deployment Diagram

### Class Diagram

### State Diagram

### Sequence Diagram

### ER Diagram

## Applied Tool

### Draw.io

### PowerPoint

## Project Scope

# System Architecture – Overall

## Objectives

## System Organization

## Package Diagram

## Deployment Diagram

# SA – Frontend

## Objectives

## Subcomponents

* Ranking
* Item Detail
* Recommendation
* Mypage
* Search

Each subcomponent should specify these diagrams:

* Class Diagram
* Sequence Diagram
* State Diagram

# SA – Backend

## Objectives

## Subcomponents

* Review Analyzer
* Review Crawler
* Database Handler(Updater)

## Class Diagram

**(WIP – if you have additional classes, notice me)**

* User [id(PK), name, authority, pw\_hash, bookmarks(FKs), recommend\_categories(FKs)]
* Authority [id(PK), name]
* Item [id(PK), name, company, links, specs, reviews(FKs), review\_scores(FKs), keywords(FKs)]
* RecommendCategory [id(PK), name, description, keywords(FKs)]
* Bookmark [user\_id(FK), item\_id(FK), add\_date]
* Review [id(PK), title, author, reference(FK), content, score, importance, keywords(FKs)]
* Reference [id(PK), name, link]

## Sequence Diagram

## State Diagram

# Protocol Design

## REST Protocol

common protocol design for communicate between client-server

## JSON

JS standard, widely used

## Details

* User
* Item
* Keyword
* RecommendCategory
* Bookmark
* Review

# Database Design

ER Diagram: Same as described at class diagram.

# Testing Plan

## Objective

## Testing Policy

### Development Testing

### Release Testing

### User Testing

### Testing Case

# Development Environment

## Frontend Environment

## Backend Environment

# Develop Plan

# Index