

Online Health Shopping Portal
Analysis and Design Document
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Online Health Shopping Portal	Version: 1.0
	Date: 05/04/2018
Version 1.0	

Revision History

Date	Version	Description	Author
05/04/2018	1.0	Domain Model + Architectural Design	Ana-Maria Nanes

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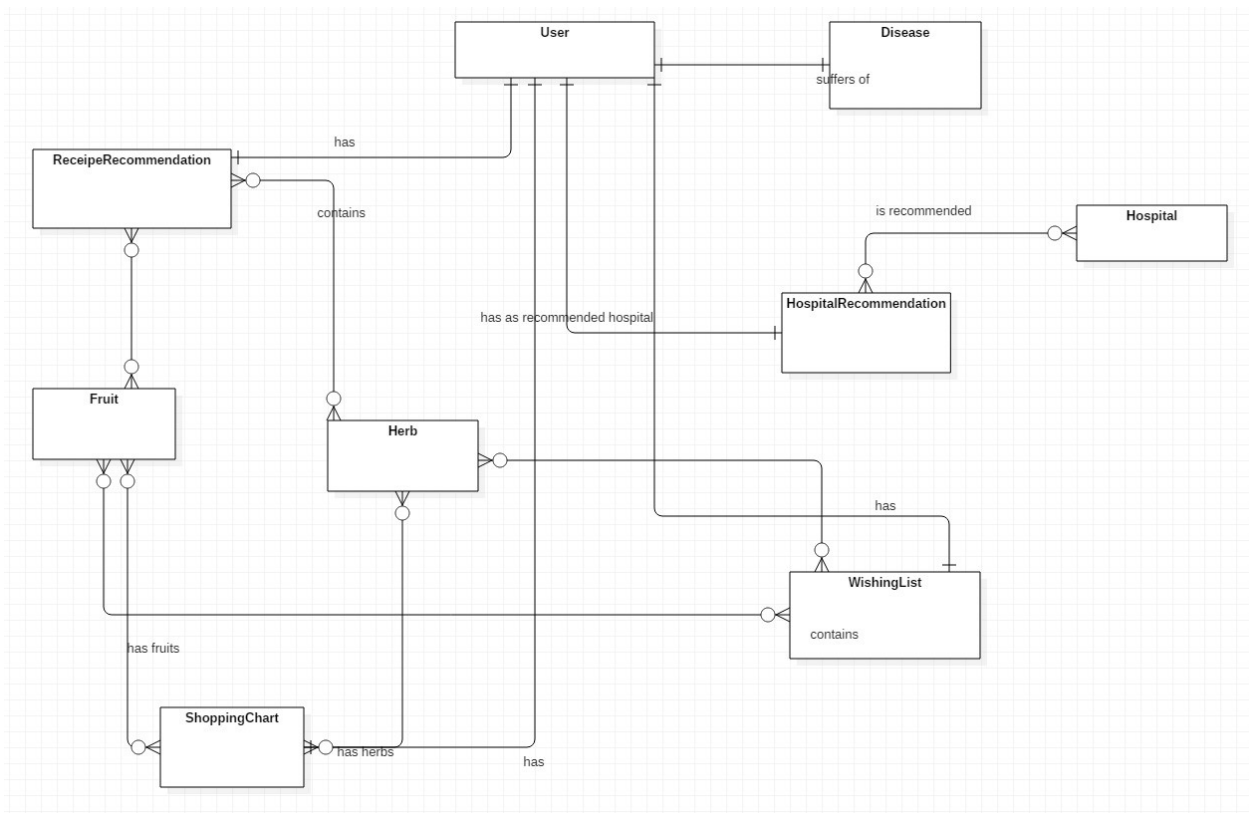
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I. Project Specification

The application is an online platform that helps the users in curing their disease by giving the list of fruits and herbs that the user should consume in order to get rid of its disease. The main purpose of the application is to help the user to find the accurate products according to the introduced disease and to reduce as much as possible the search time. The system also allows the user to see the description of each herb or fruit in the system in order to read about the benefits of consuming it. The user also has the possibility to add products to the chart and buy them. The system also includes a module in which the user can search for the hospitals depending on the name of the disease that user enters. The user can choose the products or can select the option that recommends exactly the necessary herbs and fruits.

II. Elaboration – Iteration 1.1

1. Domain Model



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2. Architectural Design

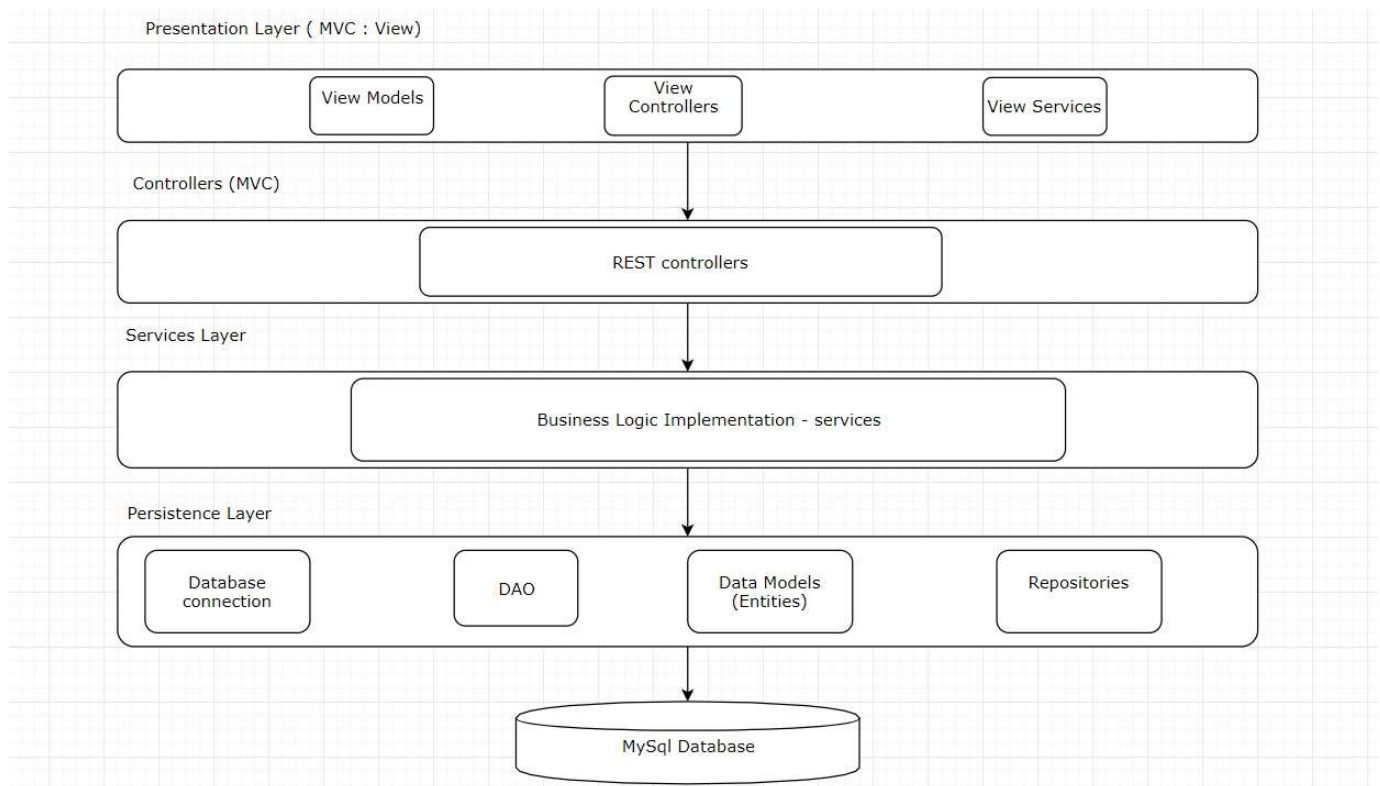
2.1 Conceptual Architecture

The architectural patterns used are the following:

- Model-View-Controller architectural pattern
- Layers Architectural pattern

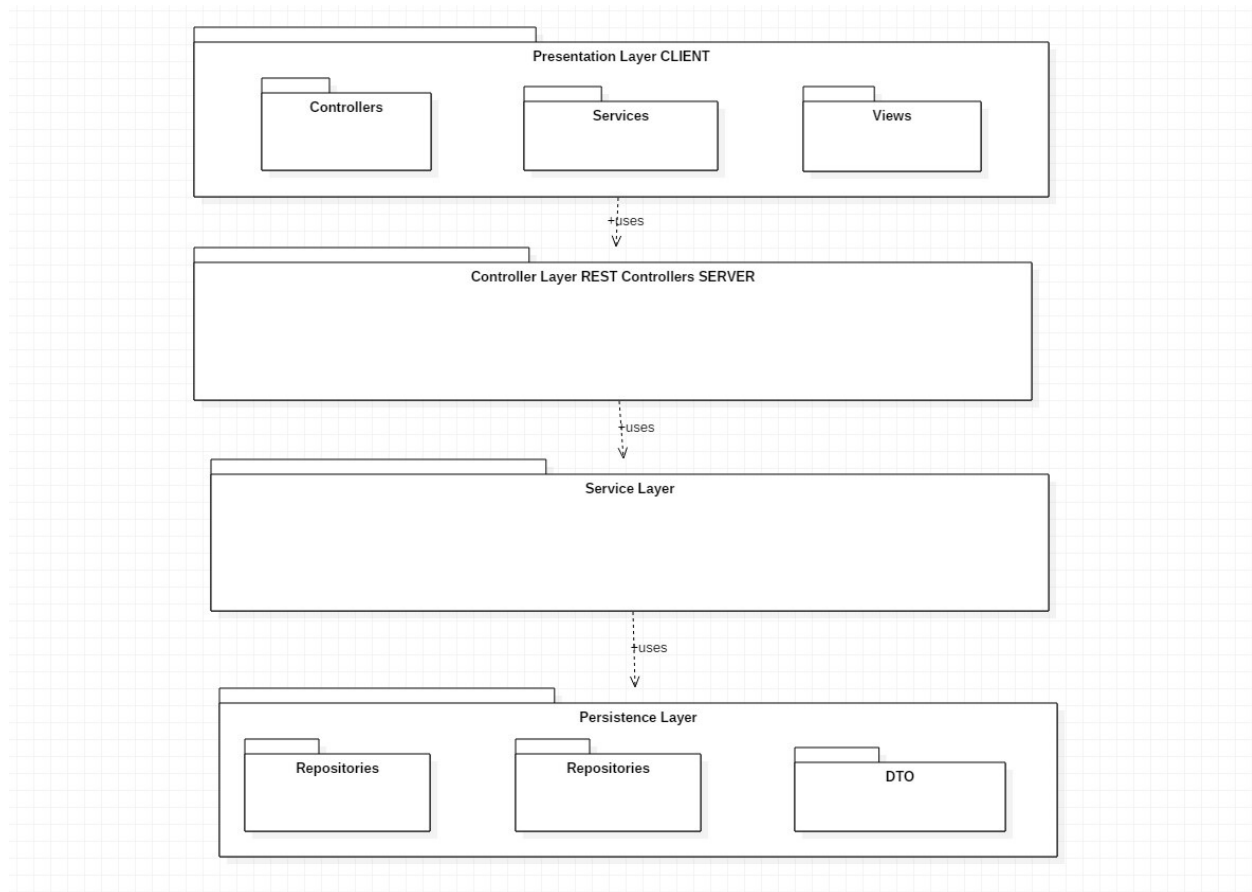
The used design patterns will be:

- Observer Design Pattern
- Iterator

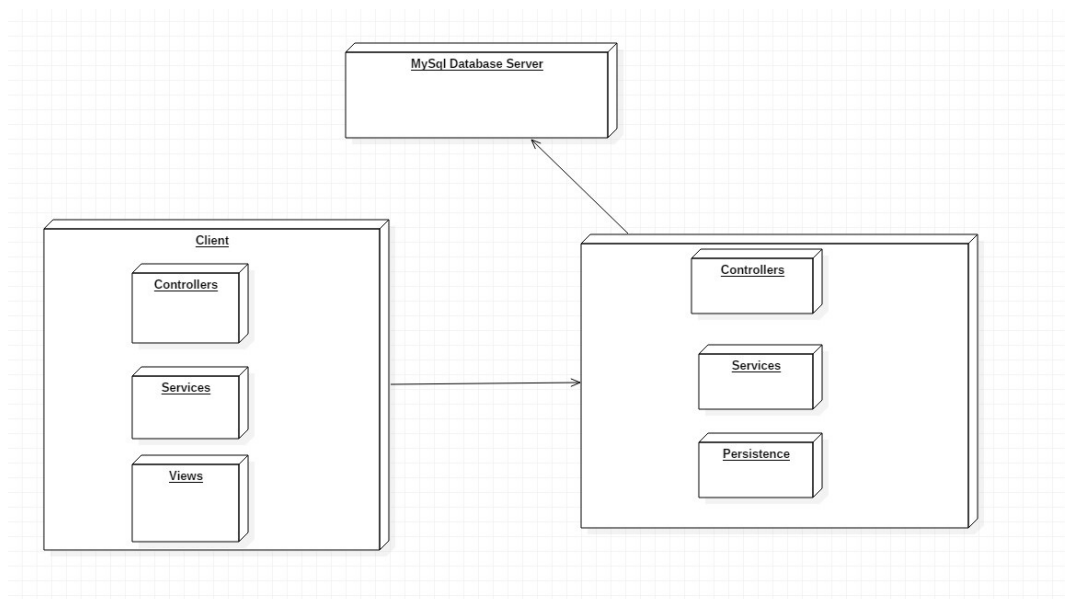


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2.2 Package Design



2.3 Deployment Diagrams



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III. Elaboration – Iteration 1.2

1. Design Model

1.1 Dynamic Behavior

[Create the interaction diagrams (1 sequence, 1 communication diagrams) for 2 relevant scenarios]

1.2 Class Design

[Create the UML class diagram; apply GoF patterns and motivate your choice]

2. Data Model

[Create the data model for the system.]

3. Unit Testing

[Present the used testing methods and the associated test case scenarios.]

IV. Elaboration – Iteration 2

1. Architectural Design Refinement

[Refine the architectural design: conceptual architecture, package design (consider package design principles), component and deployment diagrams. Motivate the changes that have been made.]

2. Design Model Refinement

[Refine the UML class diagram by applying class design principles and GRASP; motivate your choices. Deliver the updated class diagrams.]

V. Construction and Transition

1. System Testing

[Describe how you applied integration testing and present the associated test case scenarios.]

2. Future improvements

[Present future improvements for the system]

VI. Bibliography