<Project Name>

Analysis and Design Document

Student:

**Group:**

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <dd/mmm/yy> | <x.x> | <details> | <name> |
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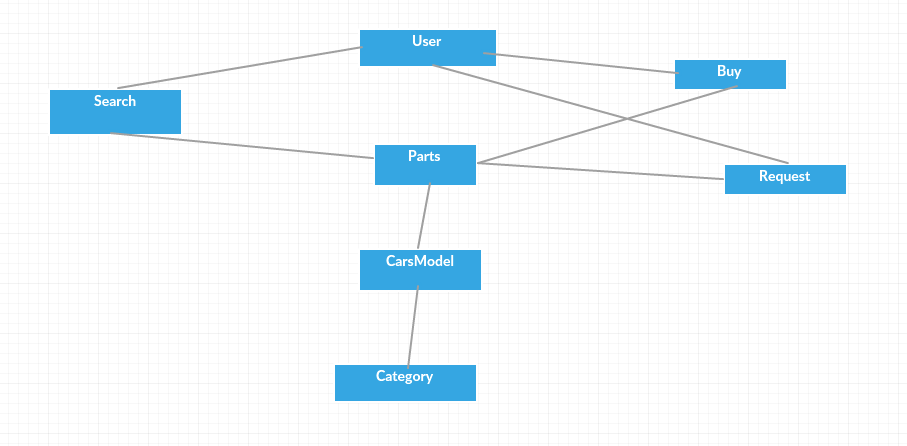
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# Project Specification

*[Present the project specification]*

# Elaboration – Iteration 1.1

# Domain Model



# Architectural Design

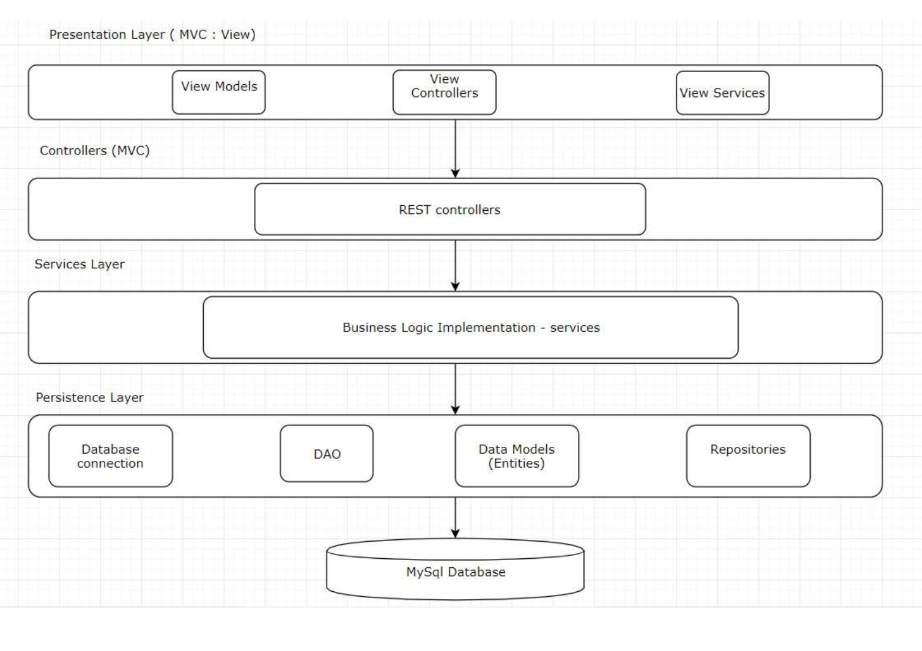
## Conceptual Architecture

The architectural patters used are the following:

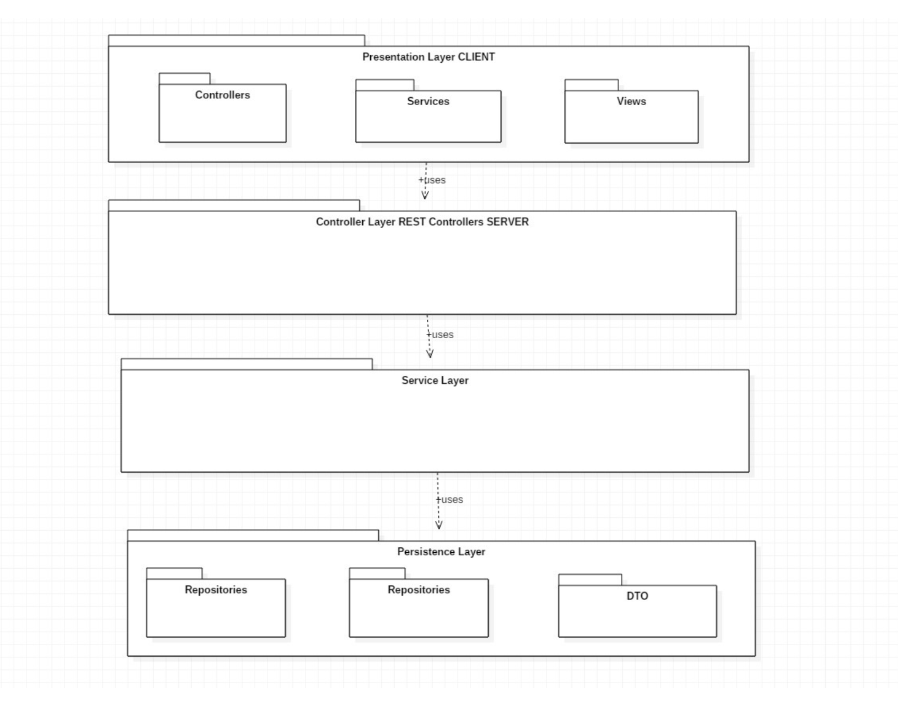
* Model-View-Controller architectural pattern
* Layer Architectural pattern

The used design patterns will be:

* Observer Design Pattern
* Iterator



## Package Design



## Component and Deployment Diagrams

# 

# Elaboration – Iteration 1.2

# Design Model

## Dynamic Behavior

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

## Class Design

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

# Data Model

*[Create the data model for the system.]*

# Unit Testing

I will use Mokito to test my application. Mocking is primarily used in unit testing. An object under test may have dependencies on other (complex) objects. To isolate the behaviour of the object we want to test we replace the other objects by mocks that simulate the behavior of the real objects. In short, mocking is creating objects that simulate the behaviour of real objects. I will write small tests in order to mainly test the functions implemented in the service layer.

# Elaboration – Iteration 2

# 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.]*

# Design Model Refinement

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

# Construction and Transition

# System Testing

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

# Future improvements

*[Present future improvements for the system]*

# Bibliography