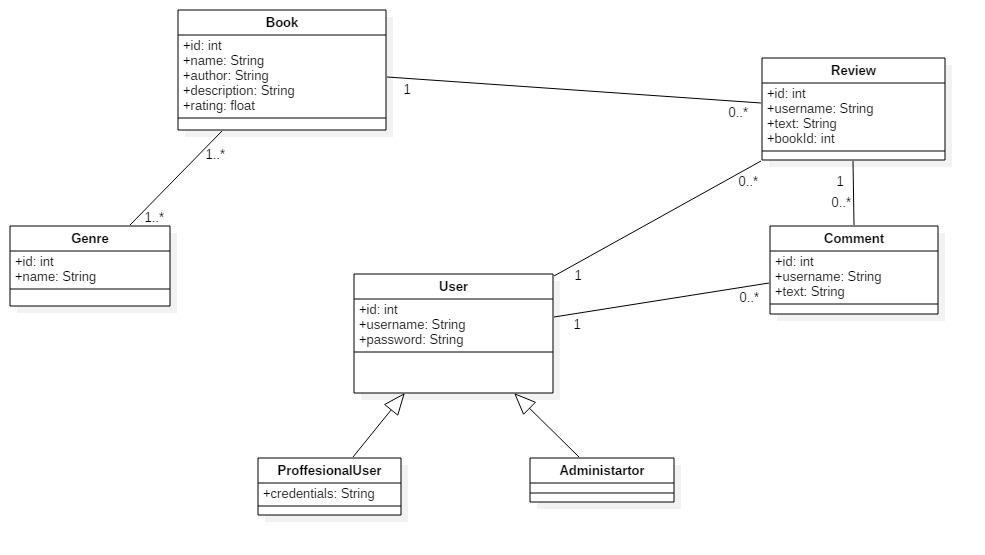
Book review

Analysis and Design Document

# Elaboration – Iteration 1.1

# Domain Model



# Architectural Design

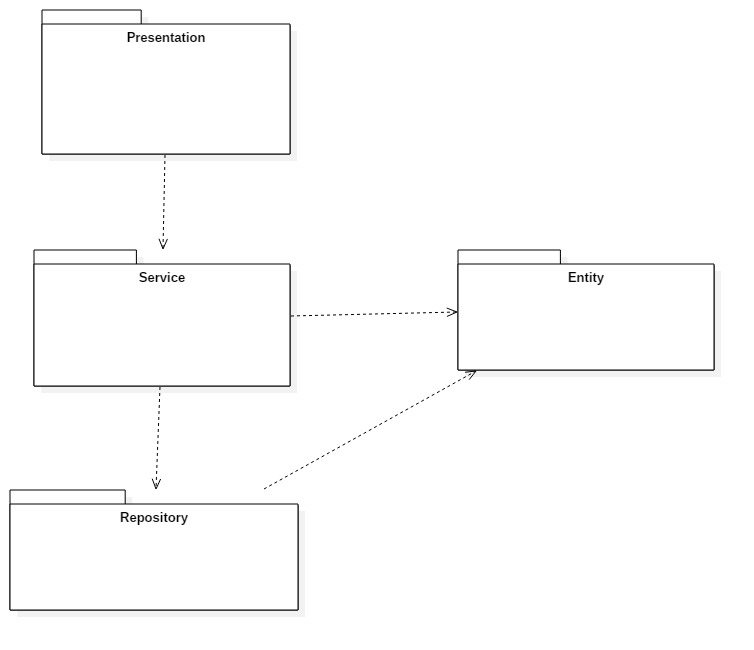
## Conceptual Architecture

*For this application I will use the layered architecture and the MVC architecture .*

*I have chosen the layered architecture because it organizes the code into layers that each have a different responsibility, all dependencies go in one direction, a change in one of the layers doesn’t affect the other layers and it is easy to test.*

*I have chosen MVC architecture to isolate the application logic from the user interface.*

## Package Design

**

## Component and Deployment Diagrams

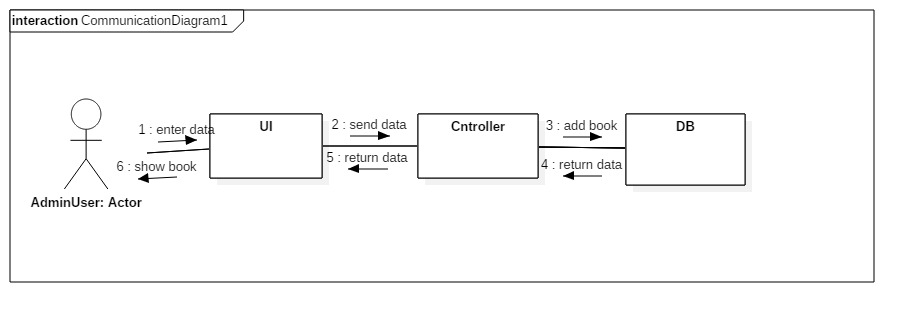
# 

# Elaboration – Iteration 1.2

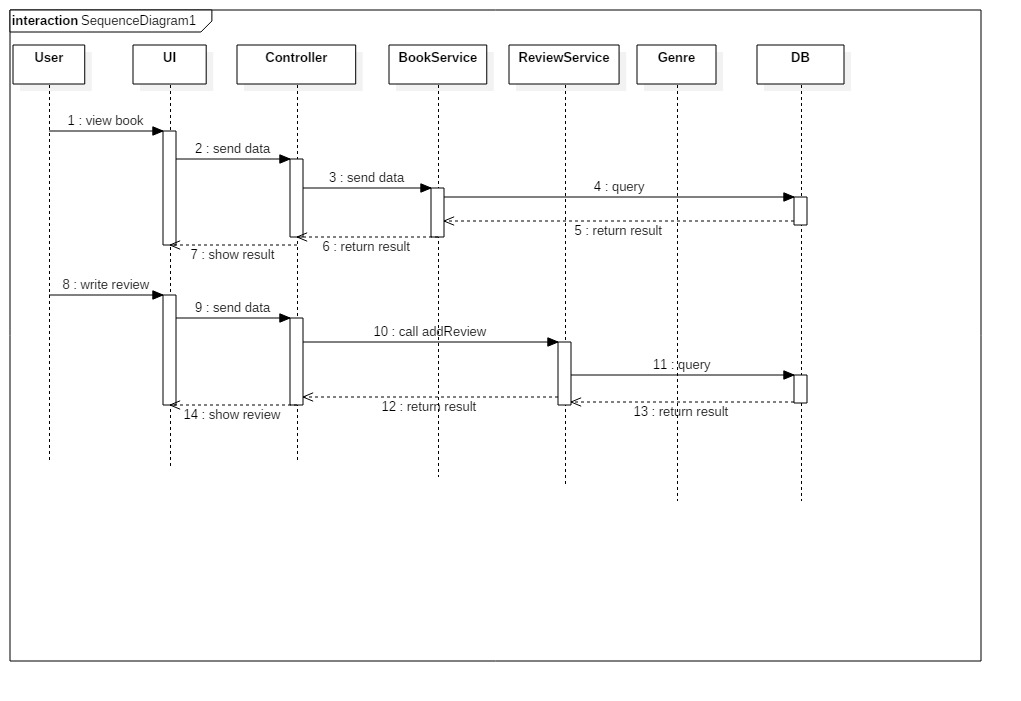
# Design Model

## Dynamic Behavior

Communication diagram for an admin adding a book:

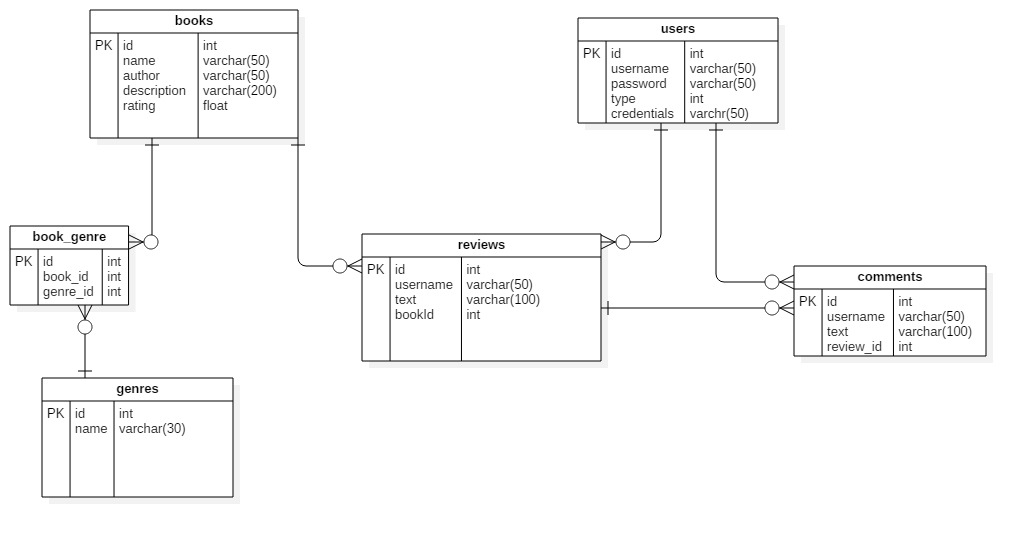


Sequence diagram for adding a review to a book:

**

## Class Design

# Data Model



# Test Strategy

*The project will have unit tests in order to check the correctness of its functionalities.*

# 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]*