Book Trader

Analysis and Design Document

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Revision History

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# Project Specification

*[Present the project specification]*

# Elaboration – Iteration 1.1

# Domain Model

# Architectural Design

## Conceptual Architecture

The pattern that I used to implement the application is Layer Pattern Architecture, it is used to separate the classes into 3 main categories, presentation, business and database access. In each of those categories will be stored classes related to it’s main purpose, for example, I will not store the updates and deletes for users profile in presentation layer, where will be stored the main implementation of how the application will look like. In the second layer, the service one I will try and put the users and their trading, follow by working with the data extracted from database access layer, lastly I might try to store the messages in a database but in the first steps it will not be a main purpose and with this being said, I will not have a repository for message in data layer. The reason for choosing this pattern is the way you view classes and the flow of the project, being more simple and easy to identify whatever I would need in the future for an upgrade or a modification for the project.

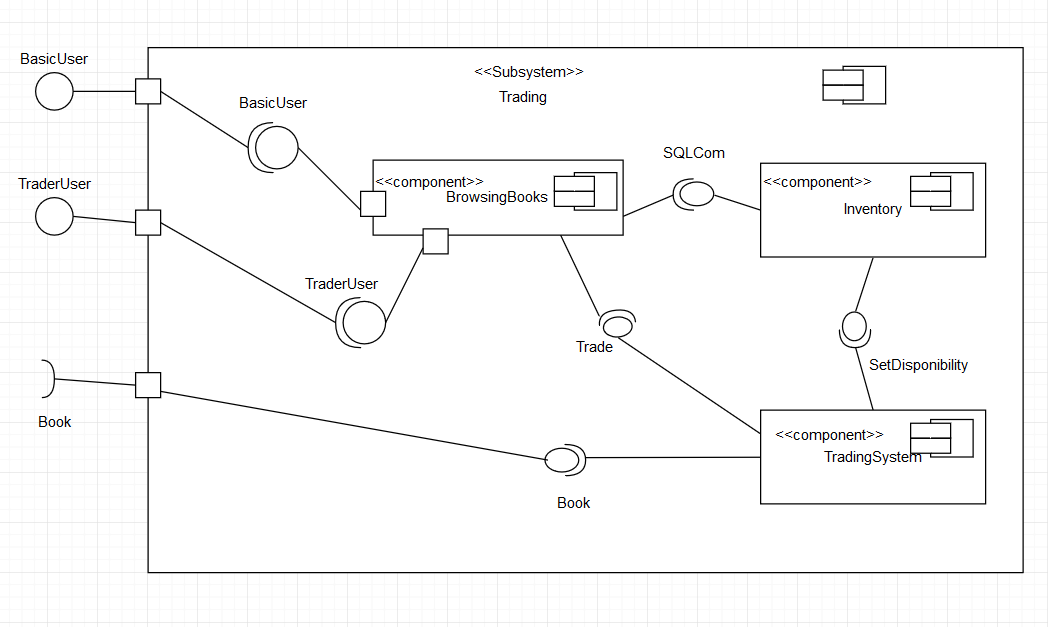
## Package Design

## 

## 

## Component and Deployment Diagrams

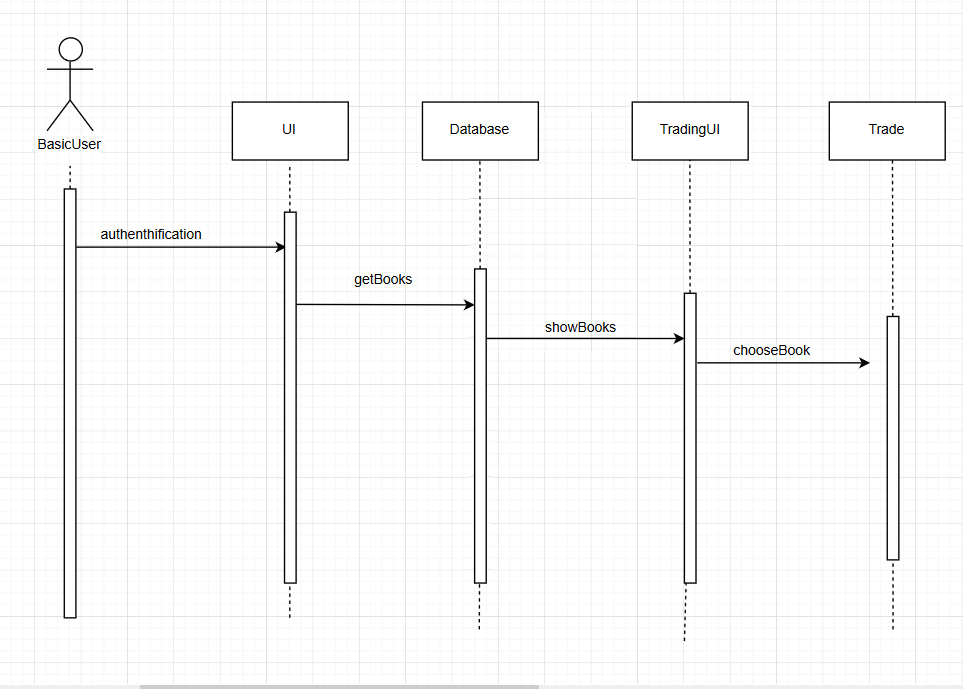
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# Elaboration – Iteration 1.2

# Design Model

## Dynamic Behavior



## 

## 

## Class Design

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

# Data Model

# 

# Unit Testing

The project will be tested using Junit or Android Emulator and it will lean the login, add book, trade book and most likely the chatting. The Use Case Scenario for those can be found in the document Project\_UseCaseModel.

# 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