**<Book Shop>**

**Analysis and Design Document**

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**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
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* **Project Specification**

The idea of the application is to allow users to search for books they like and purchase them. In order to do this, the user must be able to first register and then enter with that account. Only then he has the rights of “full” member.

* **Elaboration – Iteration 1.1**
* **Domain Model**



* **Architectural Design**
* **Conceptual Architecture**



* **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**



* **Unit Testing**

The application has unit tests that verify if the core functionalities of the application work such as registration, login and the purchase of a book.

* **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**