Banking Application

Version <1.0>

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <17/03/2021> | <1.0> | Supplementary specification | Angela-Paula Modrîngă |
| <23.02.2021> | <1.1> | Supplementary specification | Angela-Paula Modrîngă |
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# Introduction

In this document, the specifications of the Banking application will be presented. Those include attributes like availability, performance, security, testability and usability, the non-functional requirements of the application and the design constraints.

# Non-functional Requirements

## Availability

The system will be available for free, and each person with a bank account will be able to use it on their smartphone/tablet/PC/laptop after creating an account. The application will be responsive.

## Performance

## Security

Each time the user wants to enter the application, a log-in is required. The user needs to introduce his username and the password.

## Testability

## Usability

Useful for people that want to manage their financial resources and don’t have, or don’t want to spend, time to go to the bank office.

# Design Constraints

The project will be a web application, having a friendly user interface. The source code will be written in SpringBoot using Java for the backend and the frontend. I will use Angular. The application will be connected to a MySql Database, that will store all the needed. We will keep track of the development phases using Github.

* CQRS architecture using the Mediator Design Pattern
* Builder design pattern to construct deposits and to calculate the income generated by it
* Decorator design pattern to add the age characteristic for a user.