Book Trader

Version <1.0>

Revision History

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# Introduction

In this document you are about to find about what program we use to make the application, the legal way for me to make it public and some specification about it’s quality attributes.

# Non-functional Requirements

*[Define system quality attributes in terms of scenarios according to the following template:*

* *Quality attribute definition*
* *Source of stimulus: the entity (human or another system) that generated the stimulus or event*
* *Stimulus: a condition that determines a reaction of the system*
* *Environment: the current condition of the system when the stimulus arrives*
* *Artifact: is a component that reacts to the stimulus. It may be the whole system or some pieces of it*
* *Response: the activity determined by the arrival of the stimulus*
* *Response measure: the quantifiable indication of the response*
* *Tactics*

*]*

## Availability

By the end of the project I hope the used of the project will be at least cca. 100h a week.

## Performance

## Security

The application will be secure, using prepared statements for working with the database, creating it and maintaining. It should not be easily attacked by outsiders and keep al the information private about it’s users.

## Testability

In most of the part, the component under test will be easy to observe and control, such as the log or chat or the actual trading of the books, since they will al by done in separate modules. With those being said, the isolated component that can be tested are about logging, other activities need a logging to be done and I will try to have a class that has just a responsibility. Finally, the application should be tested by user, not others tools.

## Usability

This project will give people that have extra books or wants new one to trade them, not to toss or fire, giving the book a new purpose, which is a thing needed by current generation. And it should be easy to use by any type of user.

# Design Constraints

This project will be written in Java using Android Studio, with Firebase Database, and it should be compatible with Android version from 19 to an up-to-date version. It will most certainly be a logging part, and a real time chatting experience between the users, a part to choose book to trade and a part to add the books. All the tools use are free to used for everyone, since it will be a non-profit application.