

**Software Requirements**

**Specification**

**for**

**“The BB Manager”**

**Version 1.0 approved**

**Prepared by Group2**

**SCE College**

**13.11.17**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
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**1. Introduction**

This section gives a scope description and overview of everything included in this SRS document. Also, the purpose of this document is described.

In addition a list of abbreviations and definitions is provided.

**1.1 Purpose**

The main purpose is to help the user manage his bibliographies in an easy and comfortable way. Version: 1.0 .

**1.2 Document Conventions**

Not relevant at this stage.

**1.3 Intended Audience and Reading Suggestions**

The different types of reader that the document is intended for are:

* + Developers
  + Project managers
  + Testers
  + Documentation writers

1. **Product Scope**

The product is meant to assist the user in organizing his bibliographies by creating a personal archive.

The application allows convenient access to the projects, editing options, and basically a way to handle all of the user’s projects.

There are a few benefits to working with this app such as :

* + Adding notes and personal hints that helps the user define the intended use of the reference.
  + Editing old citations or notes in different projects.
  + Overview finished projects from the personal archive.
  + Defining a state to each project (organization).
  + Choose the wanted citations in a project for publishing.
  + Manage a personal, private archive of projects.

1. **References**

Not relevant at this stage.

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**2. Overall Description**

This section will give an overview of the whole system. The system will be explained in its context and introduce the basic functionality of it. The constraints and assumptions for the system will be presented.

**2.1 Product Perspective**

This product is a new, self-contained development which provides the user the ability to manage his bibliographies in a convenient and efficient way.

The product is an application that allows the user to protect his project’s content by working in a secured workspace.

A new user will be able to register an account that requires a username and a password. Creating an account will grant the user the ability to use this product. By creating an account the software will automatically create an archive for this specific account.

Also the user is able to add new citations to an existing project as well as creating a new project that does not contains any citations yet.

All of the citations will be organized by the user’s adding order.

Another option is to overview existing project that are stored in an archive that the user has created for himself.

Each user will be able to use an archive of his own, which means there will be no access to other user’s projects. That way every user’s projects will be secured so he will be the only one to manage them.

The users will have the option to comment by adding notes to their projects and editing them any time.

The notes may contain the user’s purposes and intended use of the reference.

Each project will be defined by a state, the state options are:

* “Active” – project is being edited.
* “Projected” – project is not finished yet.
* “Archived” – project is finished and stored.

The user will decide in which state each of his projects will be.

Defining the project as “Active” means that the user is currently working on this project. “Projected” is a state that means the project is not yet finished and the user intends to work on it in the future.

Finally , “Archived” means that the project is finished and stored in the user’s private archive.

In conclusion the system provides an easy and organized way to manage and store your projects.

**2.2 Product Functions**

The product will help the user to handle his bibliographies by:

* Creating an unique account
* Organizing the citations by order
* Adding notes and references
* Editing citations and projects
* Choosing a project state: Active / Projected / Final
* Securing the projects
* Managing an archive of projects

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**2.3 User Classes and Characteristics**

This product is relevant to every user that is interested in organizing his bibliographies in a convenient and comfortable way. There is no difference between the users in the system , the application is created to help individuals handle bibliography projects the way they see fit while using the application services.

**2.4 Operating Environment**

The application’s operating system is “Microsoft Windows” and the hardware platform is PC ( personal computer ). The system is operated in CLI ( command line interface ) format.

**2.5 Design and Implementation Constraints**

Not relevant at this stage.

**2.6 User Documentation**

Not relevant at this stage.

**2.7 Assumptions and Dependencies**

Not relevant at this stage.

**3. External Interface Requirements**

Not relevant at this stage.

**3.1 User Interfaces**

Not relevant at this stage.

**3.2 Hardware Interfaces**

Not relevant at this stage.

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**3.3 Software Interfaces**

Not relevant at this stage.

**3.4 Communications Interfaces**

Not relevant at this stage.

**4. System Features**

In order to get a view of how to divide the requirements into different releases and what requirements should be included in which release, a prioritization of the requirements is needed. This section discusses the choice of prioritization methods and gives a suggestion of how the release plan for these requirements could look like.

**4.1 Secure the projects**

1. **Description and Priority**

The ability to store the project in a secure place , that will provide the user the option of working on the project in a private environment .

This feature is a high priority.

1. **Stimulus/Response Sequences**

In order to work in a secured environment, the user should apply the following steps:

* + Choose a personal password
  + Login into the system using the password

1. **Functional Requirements**

The password which secures the data must include:

* At least 6 characters
* At least one uppercase letter
* At lease one number
* At least one lowercase letter

An error will appear if one of the requirements will not be followed.

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**4.2 Add new citations**

**4.2.1 Description and Priority**

The user is able to add new citations to an existing project at any time as well as creating a new project.

This feature is high priority.

**4.2.2 Stimulus/Response Sequences**

There is an option in the application to create a new project choosing the right option from the menu. Another option in the menu is adding a new citation to an existing project.

**4.2.3 Functional Requirements**

The main menu in the application includes number of options for the user to choose from. an error will appear once the user does not choose one of the available options.

**4.3 Define a state**

**4.3.1 Description and Priority**

The user is able to define one of three states for each of his projects , that way the projects will be organized by these categories.

This feature is high priority.

**4.3.2 Stimulus/Response Sequences**

There is an option in the application to tag a project as one of the next options:

* “Active” – an open project
* “Projected” – a project that is not finished yet
* “Archived” – a finished project

The user must choose one of the options.

**4.3.3 Functional Requirements**

Every time a project is being chosen by the user, the user must define the project’s state.

An error will appear if none of the options is chosen.

**4.4 Edit a project**

**4.4.1 Description and Priority**

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The user is able to edit an existing project , that means – editing citations, state or notes inside the project.

This feature is high priority.

**4.4.2 Stimulus/Response Sequences**

The main menu in the application includes the option of editing a project.

under the “edit” option, there are a number of other options such as changing a citation, updating a note or a reference and more.

**4.4.3 Functional Requirements**

The user may choose one of the editing options that are suggested in the menu, in order to make changes in the project.

**4.5 Add a personal note**

**4.5.1 Description and Priority**

The user is able to insert a personal note that address a specific citation or a general note about the purpose of the project or future plans.

This feature is high priority.

**4.5.2 Stimulus/Response Sequences**

The main menu in the application includes the option of editing a project. under the “edit” option, there is the option of adding a note.

the notes that the user wrote will appear under the wanted project and the user is able to view them if needed.

**4.5.3 Functional Requirements**

The user may choose to add a new note or view existing notes in a project.

**5. Other Nonfunctional Requirements**

**5.1 Performance Requirements**

Not relevant at this stage.

**5.2 Safety Requirements**

The product is perfectly safe for the environment and the user, it is an application that does not affect any other object.

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**5.3 Security Requirements**

Not relevant at this stage.

**5.4 Software Quality Attributes**

Not relevant at this stage.

**5.5 Business Rules**

Not relevant at this stage.

**6. Other Requirements**

Not relevant at this stage.

**Appendix A: Glossary**

Not relevant at this stage.

**Appendix B: Analysis Models**

Not relevant at this stage.

**Appendix C: To Be Determined List**

Not relevant at this stage.