Software Requirements Specification

for

“The BB Manager”

Version 1.2 approved

Prepared by Group2

SCE College

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Revision History

Name	Date	Reason For Changes	Version
Second hackathon	4.12.17	Updated requirements	1.1
Third hackathon	8.1.18	Updated requirements	1.2

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: 1.2 .

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

1.4 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.
- Sorting the citations by categories.
- Choosing a different source for each citation.

- Choosing a publisher from the list.

1.5 References

Not relevant at this stage.

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 work with the system by login with a unique password. Creating a password will grant the user the ability to use this product. By creating a personal password 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.
The user will be able to choose for every citation , a publisher from a pre-defined dropdown list of publishers.
Another option is to overview existing project that are stored in an archive that the user has created for himself.
That way the user's projects will be secured so he will be the only one to manage them.
The user will have the option to comment by adding notes to the projects and edit 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.
Another functionality of the system is the user's ability to choose a format for the citation out of the following options:
-IEEE
-MLA
-HARVARD
-APA
that will ensure the user selects the format in which he likes the information to be presented at. Also , the user is able to export a list as a text file in a format that he decides.
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:

- Choosing a unique password
- Creating a new project
- Adding new citations to a project
- Organizing the citations by order
- Choosing a publisher from the list.
- Adding notes and references
- Editing citations and projects
- Choosing a project state: Active / Projected / Archived
- Securing the projects
- Managing an archive of projects
- Exporting a project to a text file

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.

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

4.1.1 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.

4.1.2 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

4.1.3 Functional Requirements

The password which secures the data must be accurate,

There will be no access to the system if the password is not correct.

4.2 Add new citations

4.2.1 Description and Priority

The ability 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

The application includes a menu of options regarding the projects. the user can 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. The user can add citations or projects at any time with no limitations.

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 ability to define one of three states for each of the user's 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 following 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 Choose a format

4.4.1 Description and Priority

The ability to choose a format of display for the citation. There are a few optional formats to choose from, and the user can decide which one he would like to present on the screen or export to a file for print or any other use.

4.4.2 Stimulus/Response Sequences

There is an option in the application to present a citation in one of the following formats:
-IEEE
-MLA
-HARVARD
-APA

the user is able to choose a different format each time he likes to present a citation for any purpose, and there is an option to change the format if needed.

4.4.3 Functional Requirements

Every time the user want to present a citation on the screen, or export a citation to a file – a format needs to be chosen in order for the system to allow the presentation.
an error will appear if the user isn't choosing a display format.

4.5 Export a chosen list as a text file

4.5.1 Description and Priority

The ability to export a list (or a citation) to a text file. That way the user is able to do as he wishes with the information in the file and he may work on it separately outside of the application.

4.5.2 Stimulus/Response Sequences

This feature allows the user to open a citation\list in a text file after the user have decided in which format the list should appear and what citations he would like to appear in the finished file.
In the application menu the user has the option of exporting into a text file.

4.5.3 Functional Requirements

In order for the user to present a citation on the screen, or export a citation to a file – the right option in the menu must be selected. An error will appear if the user did not choose a format for the list to be presented in.

4.6 Edit a project

4.6.1 Description and Priority

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

4.6.2 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.

4.6.3 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.

4.7 Add a personal note

4.7.1 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.

4.7.2 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.

4.7.3 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.

5.3 Security Requirements

The user has a special password of his choice to enter the application safely, and secure his personal projects.

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

The document may include a few of the following words:

- Bibliography – a list of sources that are used or consulted in the preparation of a work or that are referred to in the text.
- Login – a username and password that allows a person to log in to a computer system, network, mobile device or user account.
- Citation - the act of citing or quoting a reference to an authority.
- Format – the general physical appearance of a book, document, or file such as the typeface, binding, margins , style, etc.
- Archive - any extensive record or collection of data.
- Export - to save (documents, data, etc.) in a format usable by another software program.

Appendix B: Analysis Models

Not relevant at this stage.

Appendix C: To Be Determined List

Not relevant at this stage.