Requirements Tool Project

Business Requirements

April 2019

Content

[1 Document Information 3](#_Toc5963326)

[1.1 Document History 3](#_Toc5963327)

[1.2 Definitions, Acronyms and Abbreviations 3](#_Toc5963328)

[1.3 References 3](#_Toc5963329)

[2 Introduction 4](#_Toc5963330)

[2.1 Purpose of this Document 4](#_Toc5963331)

[2.2 What it’s Useful 4](#_Toc5963332)

[3 Requirements 5](#_Toc5963333)

[3.1 XML Requirements Object members 6](#_Toc5963334)

[3.1.1 NeedsCoverage and ProvidesCoverage members: 6](#_Toc5963335)

[3.2 XML Document settings area. 7](#_Toc5963336)

[3.2.1 Document area members 7](#_Toc5963337)

[3.3 Start Tab 7](#_Toc5963338)

[3.4 Database Tab 7](#_Toc5963339)

[3.4.1 Default columns to display 7](#_Toc5963340)

[3.4.2 Filter functionality 7](#_Toc5963341)

[3.4.3 Save Settings for “filter option” 7](#_Toc5963342)

[3.4.4 Search functionality 7](#_Toc5963343)

[3.5 Coverage Tab 7](#_Toc5963344)

[3.5.1 Columns for the dataGrid 7](#_Toc5963345)

[3.5.2 Functionality 7](#_Toc5963346)

[3.6 Statistics Tab 7](#_Toc5963347)

# Document Information

## Document History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 12/4/2019 | 0.1 | Initial Draft | Bogdan H. |
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## Definitions, Acronyms and Abbreviations

| **Term** | **Explanation** |
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## References

| **Name** | **Description/Path** |
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# Introduction

## Purpose of this Document

The purpose of the Requirements Tool Project document is to outline the requirements for the Summer Students Project.

## What it’s Useful

This document contains all of the software requirement specifics. It contains a general description of the types of users who will be using our application, how it is going to work, and what technologies we are using to make it work.

It will also outline and describe each component of the project.

# Requirements

| **Requirement ID** | **Description** |
| --- | --- |
| 1. | XML “needscoverage” member shall be implemented. Please see 3.1.1 chapter |
| 2. | XML “providescoverage” member shall be implemented. Please see 3.1.1 |
| 3. | Each requirement from the xml file shall support multiple members defined in chapter 3.1 |
| 4. | The xml file shall support a document settings area. Please see 3.2 chapter. |
| 5. | The C# Application shall have implemented a tab called “Start”. Please see chapter 3.3 |
| 6. | The C# Application shall have implemented a tab called “Database”. Please see chapter 3.4 |
| 7. | The C# Application shall have implemented a tab called “Coverage”. Please see chapter 3.5 |
| 8. | The C# Application shall have implemented a tab called “Statistics”. Please see chapter 3.6 |
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## XML Requirements Object members

### NeedsCoverage and ProvidesCoverage members:

**User Requirements**

<id> REQ1

<needscoverage> REQ2

<providescoverage> N/A

**System Requirements**

<id> REQ2

<needscoverage> REQ3

<providescoverage> REQ1

**Software Requirements**

<id> REQ3

<needscoverage> src,tst

<providescoverage> REQ2

“src,tst” means that the REQ3 shall be implemented in the code (src) and also tested (tst).

The c# application will search in all code, “.c” and “.h” files, to check if the requirement REQ3 is implemented and tested.

When the developer implements a line of code, is needed to add a comment about the requirement that is implemented. Please check the following example:



## XML Document settings area.

### Document area members

TBD

## Start Tab

TBD

## Database Tab

### Default columns to display

TBD: Which columns should be displayed at the start-up

### Filter functionality

TBD: a button to filter the columns to be showed.

### Save Settings for “filter option”

TBD: after the user saves the columns to be showed, the settings shall be saved into XML document.

### Search functionality

TBD: to have a search list from where you can filter the rows.

## Coverage Tab

### Columns for the dataGrid

TBD: what columns we’ll have in the Coverage Tab. With which functionality?

### Functionality

TBD: How we’ll cover all requirements.

User Req

System Req

Software Req

## Statistics Tab

TBD: What statistics will be calculated