

Software Requirements Document

for

Community Project Tracking

CS 472

Draft 0.1

Prepared by:
Tim Grediagin
Devin Jones
Brent Mello
Blake Eggemeyer

February 23, 2012

Contents

| | | |
|----------|--|----------|
| 1 | Introduction | 2 |
| 1.1 | Purpose | 2 |
| 1.2 | Scope | 2 |
| 1.3 | Definitions | 2 |
| 1.4 | Definitions | 2 |
| 1.5 | References | 2 |
| 1.6 | Revision tracking: | 3 |
| 2 | Overall description | 3 |
| 2.1 | Product functions | 3 |
| 2.2 | User Characteristics | 3 |
| 2.3 | Constraints | 3 |
| 2.4 | Assumptions and Dependencies | 3 |
| 2.5 | Apportioning of requirements | 3 |
| 3 | Specific requirements | 3 |
| 3.1 | Functional requirements | 3 |
| 3.1.1 | Store Data | 3 |
| 3.1.2 | Reports | 4 |
| 3.1.3 | Security | 4 |
| 3.1.4 | Backups | 4 |
| 3.2 | Non-functional requirements | 4 |
| 3.2.1 | Interface | 4 |
| 3.2.2 | Platform | 4 |
| 3.3 | Performance requirements | 4 |
| 3.4 | Software system attributes | 4 |

1 Introduction

1.1 Purpose

This Software Requirements Document for Community Project Tracking is for use by the customer and development team. This document is a formal listing of the functional and non-functional requirements of the Community Project Tracking system.

1.2 Scope

The Community Project Tracking software will assist users in the storing and summary of various activity data.

1.3 Definitions

1. **GUI:** Acronym for Graphical User Interface. Used to refer to the look and feel the user experiences.
2. **Immediately:** Immediately refers to actions that will begin as soon as the user has given the input for the action to occur.
3. **Should:** Requirements with this marker are desired, but not crucial, and will be a part of the final deliverable contingent on time and progress.
4. **TBD:** Acronym for To Be Determined. This is used in this document to signify that the information necessary for a part of this document is "To Be Determined".
5. **User:** The person, or persons, who operate or interact directly with the product.
6. **Will:** Requirements with this marker are guaranteed to be in the final delivered product.

1.4 Definitions

1. **Program:**
2. **Project:**
3. **Task:**
4. **Tool/Equipment:**

1.5 References

Written with the IEEE Recommended Practice for Software Requirements Specifications as a reference and guide. The Tsunami SWR and RPC Donor SWR were referenced to find appropriate wording for some sections.

1.6 Revision tracking:

| | | |
|-----|--------|-----------------------|
| 0.1 | Feb 10 | Document constructed. |
|-----|--------|-----------------------|

2 Overall description

2.1 Product functions

1. TBD

2.2 User Characteristics

2.3 Constraints

2.4 Assumptions and Dependencies

1. **Language:** The interface for the user is in English.
2. **Platform:**

2.5 Apportioning of requirements

3 Specific requirements

The requirements are listed and ordered in a priority list so that their order can be changed at a later date without the section numbers needing to be changed and to allow listing of the priorities in one location.

Priority List

| | | |
|---|-------|---|
| 1 | 3.1.1 | Store data regarding operations |
| 2 | 3.1.2 | Generate summary reports of the data that has been gathered |
| 3 | 3.1.3 | Take steps to prevent malicious tampering |
| 4 | 3.2.1 | Highly usable interface |
| 5 | 3.1.4 | Prevent loss or corruption of data |
| 6 | 3.2.2 | Runs on existing platform |

3.1 Functional requirements

3.1.1 Store Data

3.1.1.1 Staff Members: Data regarding a staff members work day will be collected and stored.

3.1.2 Reports

3.1.3 Security

The impact of storing personally identifiable time sheet data must be considered.

3.1.4 Backups

3.2 Non-functional requirements

3.2.1 Interface

3.2.1.1 User friendly: Determine what User wants from the interface.

3.2.2 Platform

Several existing platforms are available. One of which is on site at the clients offices running a Windows 2003 server. The others are a few off site servers that are used for a number of different projects.

3.3 Performance requirements

3.4 Software system attributes