

TODO:

- \* The application will have varying levels of access for users, with administrators having the most control
- \* Administrators will be able to maintain a list of application users
- \* Administrators will be able to maintain a list of locations
- \* Administrators will be able to maintain a list of tools
- \* Administrators will be able to maintain a list of activities
- \* Administrators will be able to maintain a list of workers
- \* Administrators will be able to maintain a list of projects/programs
- \* Users will be able to create a work record (what do we name this?) of the work done that day by specifying the amount of hours spent doing each activity at each location with each tool
- \* Work records will also have a worker and project specified automatically based on the user
- \* Users will be able to specify a comment along with each work record
- \* Administrators will be able to create and edit these work records on behalf of any worker
- \* The application will be able to display the local weather for a given day
- \* Administrators will be able generate reports by specifying a time period and project to see the total hours spent for each activity at each location with each tool

need to do something about groups sometime.

# **Software Requirements Document**

**for**

# **Community Project Tracking**

**CS 472**

**Draft 0.1**

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# 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 | Prevent unauthorized viewing or modifying of data.          |
| 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

The software will use the daily input data to generate reports as described by the client.

### **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**