SOFTWARE REQUIREMENTS SPECIFICATION

Project Title

Tram member

1.0 Introduction

This section provides an overview of the entire requirement document. This document describes all data, functional and behavioral requirements for software.

1.1 Goals and objectives

Overall goals and software objectives are described.

1.2 Statement of scope

A description of the software is presented. Major inputs, processing functionality and outputs are described without regard to implementation detail.

1.3 Software context

The software is placed in a business or product line context. Strategic issues relevant to context are discussed. The intent is for the reader to understand the 'big picture'.

1.4 Major constraints

Any business or product line constraints that will impact the manner in which the software is to be specified, designed, implemented or tested are noted here.

2.0 Usage scenario

This section provides a usage scenario for the software. It organized information collected during requirements elicitation into use-cases.

2.1 User profiles

The profiles of all user categories are described here.

2.2 Use-cases

All use-cases for the software are presented.

2.3 Special usage considerations

Special requirements associated with the use of the software are presented.

3.0 Data Model and Description

This section describes information domain for the software

3.1 Data Description

Data objects that will be managed/manipulated by the software are described in this section.

3.1.1 Data objects

Data objects and their major attributes are described.

3.1.2 Relationships

Relationships among data objects are described using an Entity-Relationship Diagram (ERD) like form. No attempt is made to provide detail at this stage.

3.1.3 Complete data model

An ERD for the software is developed

3.1.4 Data dictionary

A reference to the data dictionary is provided. The dictionary is maintained in electronic form.

4.0 Functional Model and Description

A description of each major software function and software interface is presented.

4.1. Description of Major Functions

Each requirement is uniquely identified.

4.1.1 Requirement 1

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4.1.n Requirement N

4.2 Software Interface Description

The software interface(s) to the outside world is(are) described.

4.2.1 External machine interfaces

Interfaces to other machines (computers or devices) are described.

4.2.2 External system interfaces

Interfaces to other systems, products or networks are described.

4.2.3 Human interface

An overview of any human interfaces to be designed for the software is presented.

5.0 Restrictions, Limitations, and Constraints

Special issues which impact the specification, design, or implementation of the software are noted here.