**CS323 Documentation**

About 2-3 pages

# 1. Problem Statement

<write the problem statement here. You can mostly get it from the assignment itself>

**2. How to use your program**

<write detailed steps how to execute your program>

# 3. Design of your program

< write major components of your program. Also, data structures you are utilizing, particular algorithms you have chosen etc. >

# 4. Any Limitation

<All features are running according to the assignment but you limit your program due to resource limitations, such as

Maximum number of lines in the source code, size of the identifier, integer etc. ​**Say ‘None’ if there is no limitation**​>

# 5. Any shortcomings for each iterations

<Anything you could NOT implement although that is required by the

Assignment. ​**Say ‘None’ if there is no shortcoming**​>

# Software Requirements Document Template

### **(Use as a guide only – does not have to be exact)**

## 1. Introduction

### **1.1 Purpose**

### **1.2 Document Conventions**

### **1.3 Intended Audience and Reading Suggestions**

### **1.4 Product Scope**

### **1.5 References**

## 2.Overall Description

### **2.1 Product Perspective**

### **2.2 Product Functions**

### **2.3 User Classes and Characteristics**

### **2.4 Operating Environment**

### **2.5 Design and Implementation Constraints**

### **2.6 Assumptions and Dependencies**

## 3. External Interface Requirements

### **3.1 User Interfaces**

### **3.2 Hardware Interfaces**

### **3.3 Software Interfaces**

### **3.4 Communications Interface**

## 4. System Features

### **4.x System Feature X**

### **4.x.1 Description and Priority**

### **4.x.2 Stimulus/Response Sequences**

### **4.x.3 Functional Requirements**

## 5. Other Nonfunctional Requirements

### **5.1 Performance Requirements**

### **5.2 Safety Requirements**

### **5.3 Security Requirements**

### **5.4 Software Quality Attributes**

### **5.5 Business Rules**

### **5.6 User Documentation**

## 6. Other Requirements

## Appendix A: Glossary

## Appendix B: Analysis Models

### **Data Flow Diagrams (DFD)**

### **Class Diagrams**

### **State Transition Diagrams**

### **Entity Relationship Models**