Revision History

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| **Date** | **Version** | **Description** | **Author** |
| 11/03/14 | 1.0 | Write specifications for the TicTacToe Project | Eren Sezener |
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# INTRODUCTION

## Document overview

This document presents the software requirements specifications of TicTacToe software development project.

It describes:

* Overview of software system to be developed
* Conventions to be used during the development of the project
* Requirements of functionalities
* Architecture of the software
* Use cases and usage scenarios,
* The compliance of requirements to user's needs
* The relative importance and precedence of requirements

## System overview

Tic-Tac-Toe game has been Turkey's national sport since Sir Muharrem Tic-Tac-Toe invented the game in 500 BC. Although the game is popular in many Kahvehanes (Turkish Cafe), the game is rarely played on the Internet due to the lack of high quality software. TicTacToe Project aims to fill this gap by enabling users to play Tic-Tac-Toe against each other. The game will have peer-to-peer architecture and users will connect to each using their IP addresses.

## Abbreviations

## References

|  |  |  |
| --- | --- | --- |
| # | Document Identifier | Document Title |
| [STD1] |  | Add your documents references.  One line per document |

## Conventions

Requirements listed in this document are constructed according to the following structure:

Requirement Id

Requirement title

Requirement description

Requirement version

Example:

SRS-XXX-000

Title of XXX-000 requirement

Description of XXX-000 requirement

Version of XXX-000

Every system requirement id includes the id of the corresponding user requirement as a prefix.

Example:

SRS-XXX-000.1

Title of XXX-000.1 system requirement, which is related to the user requirement XXX-000

Description of XXX-000 requirement

Version of XXX-000

# REQUIREMENTS

## User Requirements Specification

Here, you describe the services provided for the user. The nonfunctional system requirements should also be described in this section. They should be separated in a subsection. This description may use natural language, diagrams, or other notations that are understandable to customers.

SRS-XXX-010 SAMPLE

Sample requirement about a function

FOO software shall compute the zzz parameters with the a, , c and d input parameter, with the use of the XXX algorithm.

V1.0

SRS-XXX-020 SAMPLE

Sample requirement about a function

FOO software shall save the result of computations in boo-bar format.

V1.0

## System Architecture

This chapter should present a high-level overview of the anticipated system architecture, showing the distribution of functions across system modules.

## Use Cases and Usage Scenarios

Include here the relevant UML use case diagrams and sequence diagrams that depict the usage scenarios of the system.

## System Requirements Specification

This should describe the functional and nonfunctional requirements in more detail. If necessary, further detail may also be added to the nonfunctional requirements. They should be separated in a subsection. Interfaces to other systems may be defined. Activity diagrams and sequence diagrams should depict the protocols utilized in such interfaces.

SRS-XXX-030.2 SAMPLE

Patient data

XXX ensures that the displayed patient data are the same as read in the input files.

The patient’s data are:

* Name,
* Date of birth,

V1.0

SRS-XXX-040 SAMPLE

Application logs

XXX generates a log file containing:

* The state of the application and the steps performed to reach that state,
* The possible error logs, if any.

V1.0