1 Introduction

1.1 Purpose

1.2 Document Conventions

1.3 Intended Audience and Reading Suggestions

This document requires the reader to understand at least the basic rules of Sudoku, but not necessarily know how to solve one. This project is useful for people who want to write similar software and want to understand basic crawling and manipulating web-page by using Python3.

1.4 Project Scope

The purpose of the Sudoku Solver is to auto-complete an online Sudoku puzzle from Sudoku Web. This software will not include any Sudoku solving-strategies, instead of using computer science algorithm, backtracking, which will directly output the result of the puzzle.

1.5 References

2 Overall Description

2.1 Product Perspective

2.2 Product features

2.3 User Classes and Characteristics

2.4 Operating Environment

2.5 Design and Implementation Constraints

2.6 Assumptions and Dependencies

3 System Features

3.1 Functional Requirements

4 External Interface Requirements

4.1 User Interfaces

4.2 Hardware Interfaces

4.3 Software Interfaces

4.4 Communications Interfaces

5 Nonfunctional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

5.3 Security Requirements

5.4 Software Quality Attributes