

1 Introduction

1.1 Purpose

The purpose of this document is to provide a detailed description of how to use Selenium to solve an online 9×9 standard Sudoku puzzle from Web Sudoku.

It will be a useful reference for people who want to write a Sodoku solver software or how to use Selenium with Python3, or both. On the other hand, it also allows puzzle solvers to check their work or provided answers directly if they got stuck.

1.2 Scope

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.

1.3 Definitions

Term	Definition
Selenium	The portable framework for fetch information from web script.
WebDriver	An API for Selenium
API	A set of subroutine definitions, communication protocols, and tools for building software

1.4 References

- 1 IEEE Software Engineering Standards Committee, "IEEE Std 830-1998, IEEE Recommended Practice for Software Requirements Specifications", October 20, 1998

1.5 Overview

2 Overall Description

2.1 Product Perspective

2.2 Product functions

2.3 User Characteristics

2.4 Design and Implementation Constraints

2.5 Assumptions and Dependencies

3 Specific Requirements

3.1 External Interfaces

3.2 Functions

3.3 Performance requirements

3.4 Communications Interfaces

4 Appendixes