

Michael Lieu and Will Schreiner

CS Senior Design I

Assignment 10

### Abstract

This project is centered around the design and development of a Sudoku Solver programmed entirely in Python. This involves the implementation of a user-friendly GUI using TkInter tools that will allow the user to interact with the board and the implementation of functions containing algorithms that will take inputs from the GUI, solve the board based on those inputs, and pass them to the GUI. The main distinction of this project is the utilization of human-solvable algorithms as opposed to computer solvable algorithms, the latter of which rely on brute force tactics while the human-solvable algorithms are more intuitive in nature.