Sudoku Game

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# Introduction

This group project is centered around the famous logic game - Sudoku. Despite appearing as a simplistic game, the creation of Sudoku can be either relatively simple or considerably complex. Currently, the plan is to implement the ability to generate a Sudoku board along with an updating leaderboard based off of a scoring system.

# Literature Review

## Generating the Sudoku Board

First, a 9x9 matrix must be generated to begin gameplay.

## Backtracking and Recursion

Identify applicable funding agency here. If none, delete this text box.

Backtracking and Recursion can be used to generate all possible positions of numbers 1 to 9 to fill empty spaces within the generated matrix [1].

References

1. Comment, et al. “Algorithm to Solve Sudoku: Sudoku Solver.” *GeeksforGeeks*, 31 Jan. 2025, www.geeksforgeeks.org/sudoku-backtracking-7/. Accessed 23 Mar. 2025.