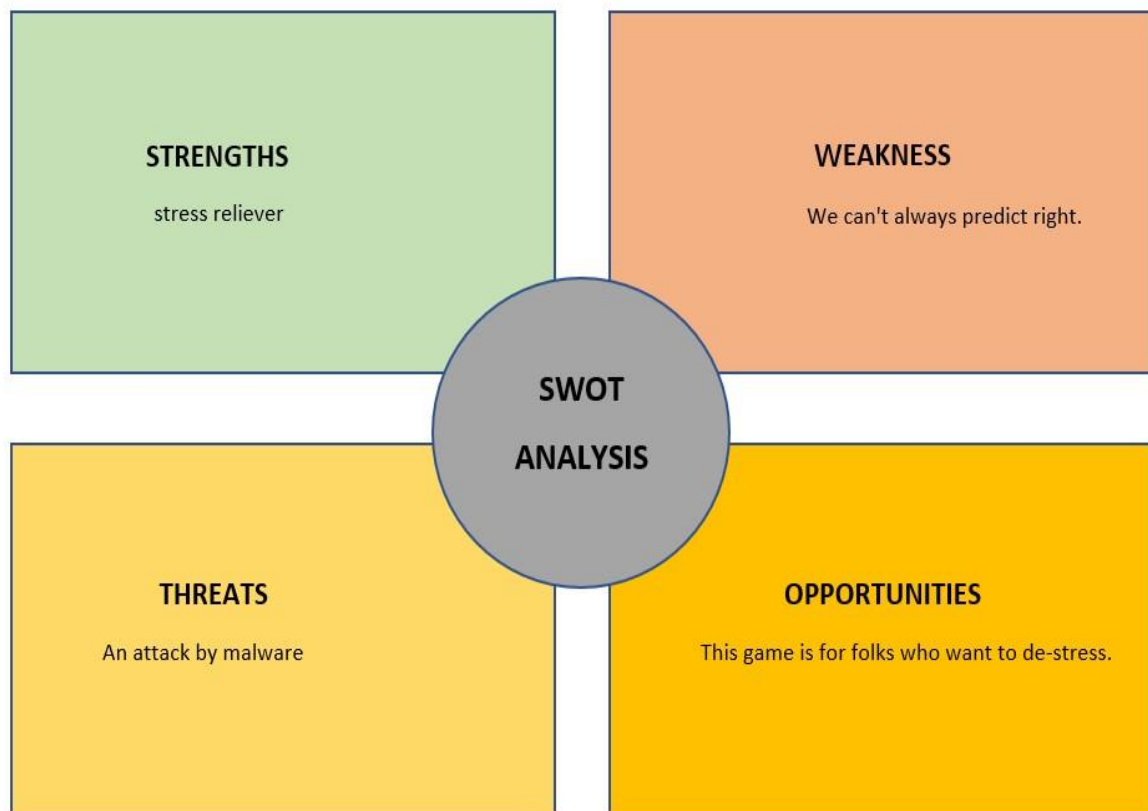# Introduction:

The guessing game "Guess the number" is a two-person game. The first participant must come up with an integer that falls inside a predetermined range. If the guess is wrong, the first player informs the second player of whether the guess was too high or too low. Eventually, the proper number is guessed by the second player.

SWOT Analysis:

4W's and 1H:

Who:

This game is beneficial to those who are looking for entertainment.

What:

This game improves your anticipation skills.A game played to have fun using computers.

When:

When people are looking for a way to de-stress, they turn to this project.

Where:

Can be used anytime and anywhere

How:

This project requires a PC or laptop to complete.

REQUIREMENTS:

High Level Requirements:

ID	Description	Category
HR01	Visual Studio code Platform	Software
HR02	windows or linux OS	Software

Low Level Requirements:

ID	Description
LR01	Reference number
LR02	Guessed number

FOLDER STRUCTURE:

Folder	Description
inc	header files
src	Source code files for solvinng Arthimetic operations
test	All source code and data for testing purposes
unity	Files for unit testing

TEST PLAN:

Test ID	Description	Expected Input	Expected Output
HLT_01	guessing a number	num=5, guess=4	Lower than the number
HLT_02	guessing a number	num=5,guess=-2	Select a number within the range
HLT_03	guessing a number	num=5, guess=7	Greater than the number
HLT_04	guessing a number	num=5,guess=11	Select a number within the range

OUTPUT:

```
Guess a number between 1 to 10
Enter the guessed number
3
Lower than the number
Wrong!! Try again
Enter the guessed number
9
Greater than the number
Wrong!! Try again
Enter the guessed number
-10
Select a number within the range
Enter the guessed number
100
Select a number within the range
Enter the guessed number
5
Congratulations!! The guess is correct, 5
Good guess
Total attempts is 5
```