

## The Wumpus World

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### The Wumpus World Game

#### What is this game?

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In Wumpus World there is a 4x4 grid of squares on a 2D Grid, which gives the player different options of traveling. In the world it contains gold and a limited number of pits. These objectives are scattered in random parts of the grid, which gives the player room to explore and learn his surroundings. The player will play as a robot that contains one arrow that is intended to only kill the Wumpus if he is stumbled upon. The Robot must find the gold and return back to the starting point successfully. This game brings the player into world, which he can only use his senses to find his way around the grid.

#### Controls

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W - Moves the Robot Up  
A - Moves the Robot Left  
S - Moves the Robot Down  
D - Moves the Robot Right  
Q - Shoots the Arrow

#### Instructions On How To Play

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1. The Robot starts in a 2D grid, which gives the player 16 cells to move around and explore the area.
2. By using the controls listed above, navigate your character around the grid to find Gold and the Wumpus itself.
3. Avoid traveling farther than the grids dimensions or it will result in a death and a restart of the game.
4. Avoid falling into a pit or it will result in a death and a restart of the game.
5. Once you find the gold, make your way back to the start without running into the Wumpus.

#### Objectives

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This games consists of two stages which allows the player to roam and develop an understanding of the game. In the first stage the player is trying to find the gold, which helps him indicate where the Wumpus is. Take note that if the Robot already knows what is in a square then the robot can simple move through that square to a different square. Once the player finds

the Gold there will be no more signals for the Robot to follow, because the player should know how to return back.

After the Robot obtains the gold he must move towards the lower left square, at this point his only intention is to return to safety. The player has the option to kill the Wumpus, but his main goal is to return to starting point with the gold.

## Senses

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This game consist of character interactions, which will help you throughout the game.

When the robot is in a square that is next to the Wumpus, it will begin to smell a horrible smell.

When the robot is in a square that is next to the square with the pile of gold, it will see a glitter.

When the robot is in a square that is next to the pit the robot feels a breeze.

When the robot is in a square that is next to multiple items, it will sense multiple things.

## Ending Statement

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I hope you enjoyed my version of The Wumpus World and explored the features held inside.

This program was coded and ran in

"Visual Studios 2015".

If you find a problem within the code, please contact me in person or by Email.

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