Competitive Analysis

1. 3D Maze

<http://www.youtube.com/watch?v=qBvZeIgAT3s>

The 3D maze is in the Gallery for previous term projects. It uses 3D projection to achieve 3D effects using 2D Tkinter. This 3D maze inspired me to do my term project, 3D Pac Man in Tkinter.

There are advantages and drawbacks in the 3D Maze:

1. The simplification is great. To reduce the stress on Tk, the student only draws nearby cells, a great idea which I will also implement in my project.
2. However, simply solving maze is not much fun. I have added 4 AIs to chase the user, making the game more intense and interesting.
3. 2.5D Pac Man

<http://www.youtube.com/watch?v=JwjbSdCns5g>

The video is a demo of a “fake” 3D Pac man. It uses 3D modules and is probably not written in Tkinter. The user cannot rotate or move the “camera”, but have a overall view of the whole board.

1. The 3D graphics and effects are great. The details of the 3D models are far better than Tkinter.
2. It is not real 3D, with the user hovering above the board. The game is not really different from the traditional 2D Pac Man
3. 2D classic Pac Man

<http://www.webpacman.com/>

The classic is the best!!! This is also the core of my game. It has a well-defined set of rules and AI logic.

1. Great rules and AI logic
2. It is not 3D, which is why I am doing the project.