Introduction to Computing
Section A, F, H, Fall 2019
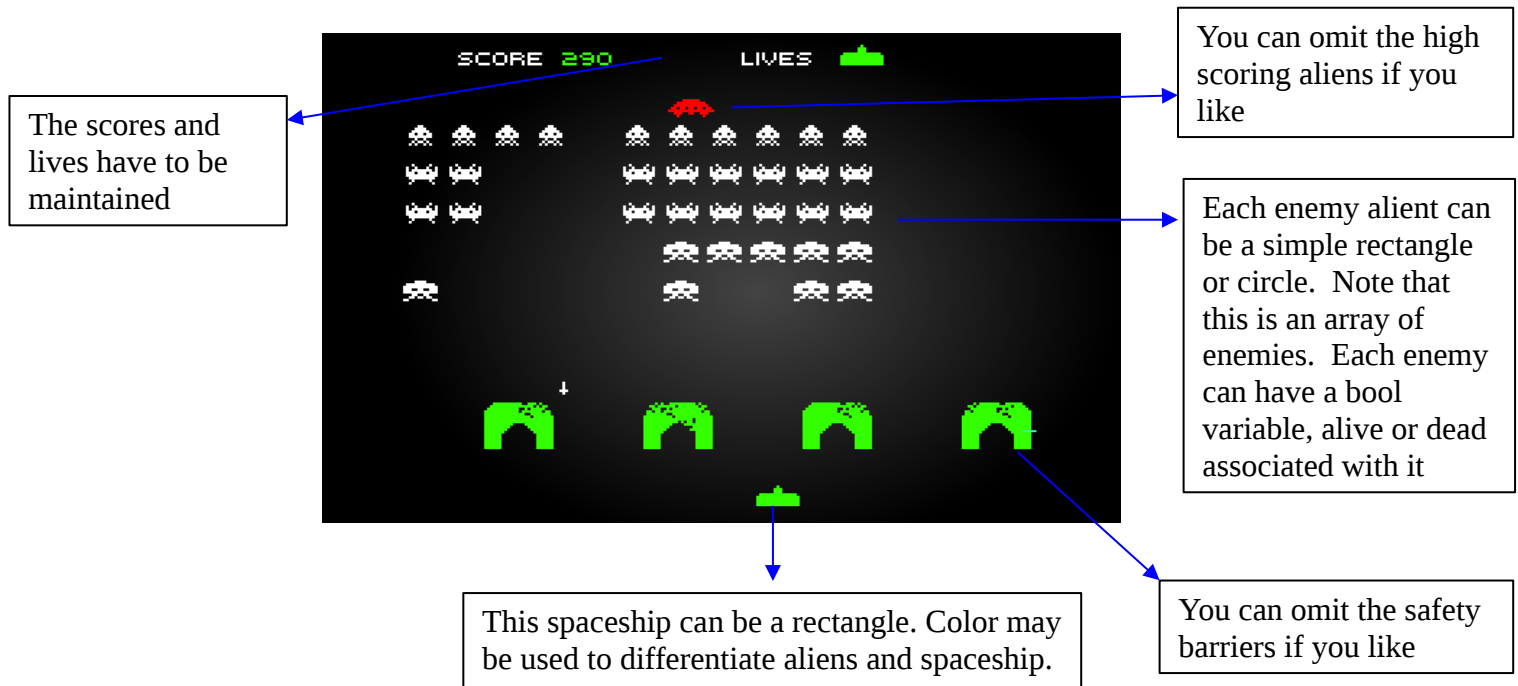## Course Project

Space Invaders Game   **Due: December 4, 2019**

Space Invaders is the popular shooting game, in which an army of aliens is invading the earth. The goal is to shoot them all, before they advance and take over the earth. You may play the game online (requires Flash plugin) at the following link: http://www.freeinvaders.org/.

You have to design and implement this game, with minimum functionality as described next.

You can omit the high scoring aliens if you like

The scores and lives have to be maintained

Each enemy alient can be a simple rectangle or circle. Note that this is an array of enemies. Each enemy can have a bool variable, alive or dead associated with it

This spaceship can be a rectangle. Color may be used to differentiate aliens and spaceship.

You can omit the safety barriers if you like

Instructions

- You are provided with a simple graphics library for rendering graphics and handling events on a Windows console
- You have to submit a complete working system, along with the source code and a README file that tells us how to use your software.
- Your code should be properly commented and variable and function names should be meaningful
- Your program should be user friendly
- Plagiarism will not be tolerated. It will result in a straight F in the course and forwarded to DC committee, who might award 5 F's in all courses you are taking.