This is your final exam and your OWN work. This means closed neighbor, but not closed book/notes. Turn in your document using the TEACH website.

For this final, you will write a critique on 3 out of the 5 of your peer’s source code from assignment #5. The code is provided for you in a zip file (follow the links below). You are expected to read and run the source code. In your critique, please specify the code you are analyzing before providing your comments.

Code 1: [http://classes.engr.oregonstate.edu/eecs/fall2011/cs161-001/assign/code1.zip](http://classes.engr.oregonstate.edu/eecs/fall2011/cs161-001/assign/code1.zip)


Code 5: [http://classes.engr.oregonstate.edu/eecs/fall2011/cs161-001/assign/code5.zip](http://classes.engr.oregonstate.edu/eecs/fall2011/cs161-001/assign/code5.zip)

Each code critique must contain an intelligent analysis of the following areas:

- **The source code**
  - **Readability** – are there enough comments, indentation, useful variable names, etc.
  - **Structure** – is the source code modularized with appropriate constants, classes, states, and methods, is there redundant code that could be put into methods, are error caught by try-catch or if/else statements, are while loops and for loops used appropriately, how is encapsulation provided, etc.

- **The User Interface/Running the Code**
  - **Effectiveness** – does the program do what it is supposed to do, i.e. play hangman or tic-tac-toe based on a user’s choice, correctly determine winners, continue allowing the user to play as long as he/she likes, etc.
  - **Robustness** – does the program handle errors such as TicTacToe handling an invalid cell choice, TicTacToe not allowing player 2 to pick player 1’s choice, TicTacToe not allowing the user to select a cell already occupied, Hangman choosing to be polite and print a message if the user picks an already picked letter (deducts it as a guess vs. letting it slide!), Hangman prints the correct array of letters guessed, even when the same letter is guessed over and over, etc.
  - **Usability** – is the program creative and user-friendly, does the program print useful error messages, etc.
Please provide more than just a single comment for each of these areas. You are required to answer the questions in each section with more than just one line. Please do not provide statements such as, “Yes, the source code is readable.” These kinds of answers will not get you full credit. Please provide enough detail, and expand on the topics provided for you. These topics are only a guideline, and you are free to expand on any of these in as much detail as you would like. In fact, I encourage you to expand on this guideline☺

In addition, please provide a self-reflection paragraph about how this critique and review of your peer’s code has changed the way you view your own Assignment #5 for this class. This should include changes or different ways you might approach the problem or coding.

As a side note, I have enjoyed your class, and I hope you have a wonderful break and happy holidays😊

Again, please turn in your document using the TEACH website.