**CSE686 Midterm #2**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SUID: \_\_\_\_\_\_\_\_\_\_\_\_\_**

This is a closed book examination. Please place all your books on the floor beside you. You may keep one page of notes on your desktop in addition to this exam package. All Exams will be collected promptly at the end of the class period. Please be prepared to quickly hand in your examination at that time.

If you have any questions, please do not leave your seat. Raise your hand and I will come to your desk to discuss your question. I will answer all questions about the meaning of the wording of any question. I may choose not to answer other questions.

You will find it helpful to review all questions before beginning. All questions are given equal weight for grading, but not all questions have the same difficulty. Therefore, it is very much to your advantage to answer first those questions you believe to be the easiest.

1. What is dependency injection? How does it work? If you create an Asp.Net Core service, how will you arrange to have it injected to using code.
2. Write all the code and markup to display, in a web page, the following:
   1. An image with a caption.
   2. Two boxes, one red and one green, that are adjacent, below the image.
   3. Clicking on the red box decreases the image size by a factor of 1.2.
   4. Clicking on the green box increases the image size by a factor of 1.2.
3. Describe the sequence of all activities that occur when a user clicks an ActionLink in a View. Please consider all the cases you can think of (there are not many).