

CSC 2010 – Fall 2015
Homework #1
Due 9/3/2015 11:59 pm

Submission Requirements

*You must turn work at the SPECIFIED TIME so you can receive credit for Homework! Homework 1 **must be submitted on desire2learn** by the due date and time. Late homework will be subject to a penalty, as stated in the course grading policy. No email or hard copies of homework will be accepted.*

*You may discuss the assignments with other students in the class, but (as stated in the academic honesty policy) your written answers **must be your own**, and you must list the names of other students you discussed the assignment with.*

How to Submit

Log into D2L (desire2learn.gsu.edu), select the class to view its drop box folders, select the correct folder for the given assignment and upload the file there.

You will get a confirmation email. Please save the conformation email in the event something goes wrong, for example work was submitted to the wrong folder etc...,

General Questions [30 pts]

1. [30 pts] Give three examples of abstraction that you notice in your daily life. Specify the external interface and internal behavior for each example. (*Example answer: Driving a car. External: I turn the wheel, and the car changes direction. Internal: The steering wheel is connected to the axles, and controls the angle they are pointed in, by mechanical and hydraulic devices.*)

History of Computing [30 pts]

3. Put the following topics from the textbook in chronological order and write one sentence about each. Do not copy directly from the textbook. Write a sentence **in your own words** about each topic.

Analytic Engine
IBM PC introduced
Jacquard's Loom
Hollerith Punched Cards Census
Mark I
Google founded
Colossus
Abacus
Apple Computer, Inc. founded

Social Issues [40 pts]

Please provide a detailed explanation for the following questions. (Write one paragraph *in your own words* about this topic.)

4. [20 pts] To what extent should a government regulate computer technology and its applications? For example, should there be laws to protect the privacy of individuals? Should there be laws to prevent children from accessing certain sites? What about illegal downloading? Should there be intellectual property protection?

5. [20 pts] Google's motto is "Don't be evil." Do you think they are following this dictum? Discuss the positive benefits provided by Google's technology and the potential negative impact of Google's technology on people and society. (*Please write one paragraph in your own words about this topic.*)