Student Name:

CSCI U511 – Operating Systems

Homework-1, Weight: 50 points

Due on Tuesday, September 3, 2019 at the beginning of the lecture (Hard Copy)

Note: You need to include your calculation and details to receive full credit!
Q1. [10 points] How would you design a system to run an entire operating systems as an application on top of another operating systems?
top of another operating systems:
Q2. [10 points] How should operating system support communication between applications? Explain your reasoning.

Q3. [10 points] Distinguish between the client–server and peer-to-peer models of distributed systems.

Q4. [10 points] What is the difference between a process and a program? What hardware enables the operating systems to efficiently implement the process abstraction?

Q5. [10 points] Explain the steps that an operating system goes through when the CPU receives an interrupt.