J. Patrick Lacher

EG 10112 Homework 2

Project Planning

* Engineering Majors
  + Computer Science
  + Mechanical
* Project Ideas
  + One idea could be a computer program that simulates playing the game blackjack. To have a greater level of sophistication, there could be the possibility of computer-controlled “players” with different pre-defined skill levels.
  + A second could be a program that simulates playing the game Yahtzee against a computer player. The complexity here would be programming the computer to make the most logical/competitive moves available after every roll.
  + A third idea could be modeling software that replicates the artificial pancreas project. The artificial pancreas is a system currently in production to automate treatments for type 1 diabetics. The project could be a reactive simulation that would attempt to stabilize blood glucose levels in a patient given certain external stimuli (food, exercise, etc.).
* Emphasis
  + I would definitely be interested in a more computer-focused project, but I wouldn’t mind building something.