Portfolio   8/30/16
1. Projects
   a. description
   b. deliverables
   c. milestones
        - Final Project Report
        - Project Management concepts
        - Extensions/changes
        - Link to notebook & SLOs
2. Notebook
   a. weekly summary
   b. Scan notebook - at least 1 page/day
3. SLOs
   a. Page for each program SLO (what other courses)
        - Add statement
      - This course - contributions
            ↳ artifact
4. Video Site
   a. Project Proposal
   b. Project Report/Progress Report (to supervisor)
   c. Team Report (what's done/needs to be done)
   d. Final Report (to supervisor
   f. Project Closeout Report

<u>List of Components & Facilities</u>
Kinect
Fit PC
micro controller (multiple?)
Robot (Majid)
Physical Therapist Input * (immediate)
Previous Project

Designing a Real Time System (Event Driven System)
  - have events
  - issue interupt to processor
    ↳ stop what your doing
      ↳ store what you have
      ↳ do something else

Interupt - movement has occured
  ↳ grab new coordinates & store
Interupt → move robot
        ↳ robot hits something
        ↳ new interupt

Interupts have a hierarchy by priority
They also have recursion
Priority - hardware
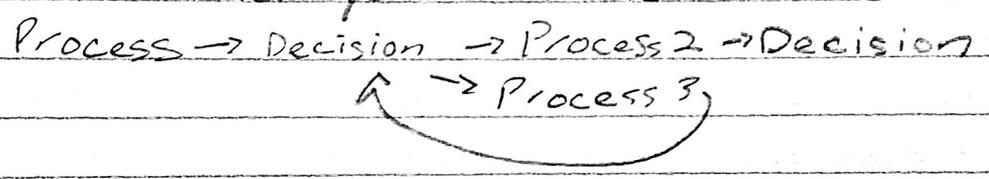Recursion - software

- maskable and nonmaskable interupts

        COP - cannot tell
        processor to ignore
        High Priority → powerline
        if power too low → interupt

- Recursion - whether or not you can interupt the interupt

Priority structure - fixed in hardware (usually)

Pseudo threaded system - State Machine
    Process → Decision → Process 2 → Decision
       ↖ → Process 3

Go from State Machine to Real time system
Decisions → interupts and processes → services after interupt

PT Robot Threaded System - not real time