CSE321 Lab1 Fall 2013 Xiang Lin

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I see a lot people confused on how to start and work.

Here is some of my suggestion for the lab1’s approach

Goal: The program would deal with different scenarios of planes status. Ex: register, depart, taking off and landing ……...

1. Think about the taking off and landing states diagram first (clearly state that we do need two type of state diagram).
2. Learn to use thread/process to run jobs in parallel
   1. Each plane’s status represent by a state( switch-case / if-else statement)
   2. Each plane would be a thread/process
3. Use semaphore/mutex to control that according to first come first serve basis.
4. The program should accept in command line argument as input.

Such as: 1st argument (number of planes ask for taking off)

2nd argument ( number of planes request for landing)

3rd argument (number of runway)

(Order of commend argument is not important as long as you state the instruction in your lab report)

Since the lab would due on next week. I hope most of your guys have done the step 2, then put some time to study for semaphore/mutex in order to finish the lab1 on time.

I hope this will help you. Good luck.