Operating Systems

Submit the CameraApp.java file on webcampus

Grade	Work
80	You didn't do anything or submit something too confusing to grade
85	You made some change to the code
92	You made an interesting change to the code
100	You made an very interesting unique change to the code

Write multithreaded code that will simulate a Camera App on a cell phone. Go to the class page on www.byrnetube.com and copy the code called cameraApp.java

Launch NetBeans (on university computer and can be downloaded for free on your laptop)

- Create a project called "CameraApp"
- Copy and paste this code in and play run it
- Try to understand why the output does what it does

The code starts 2 threads.

- Camera – which simulates taking a picture
- Timer – which will count down from 10 seconds and kill the camera is not used in 10 seconds
- If the user (you) takes a picture then the seconds gets reset to 10.

Run the code. The camera thread will ask you to "take an action".

The timer thread will count down from 10.

If you enter "p" (take a picture), the timer will reset to 10

If you enter "c" (close the app) the camera and timer will close

If you enter anything else, you will get an error message and the time will continue counting down.

Assignment

Change my name to your name and add on comment stating what you did like "added zoom in/out"

Make some meaningful change to this code (unique from the others in the class) that demonstrates your understanding of how this code works.

Ex) Change the timer from 10 seconds to 20 seconds will get you a grade of 85

Ex) Add a features like to a) take movies, b) zoom in, multi-pictures, flash-on off etc. will get you a grade of 92.

Ex) Add a features like to a) take movies, b) zoom in – zoom out, multi-pictures, flash-on flash off etc. where a shared variable is needed to maintain the current state, would be an very interesting change will get you a grade of 100.