

HW3

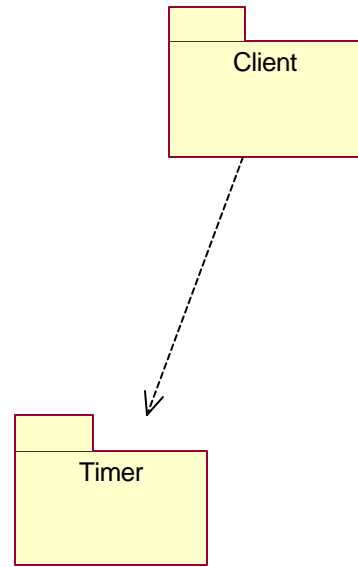
EE/CIS 694T

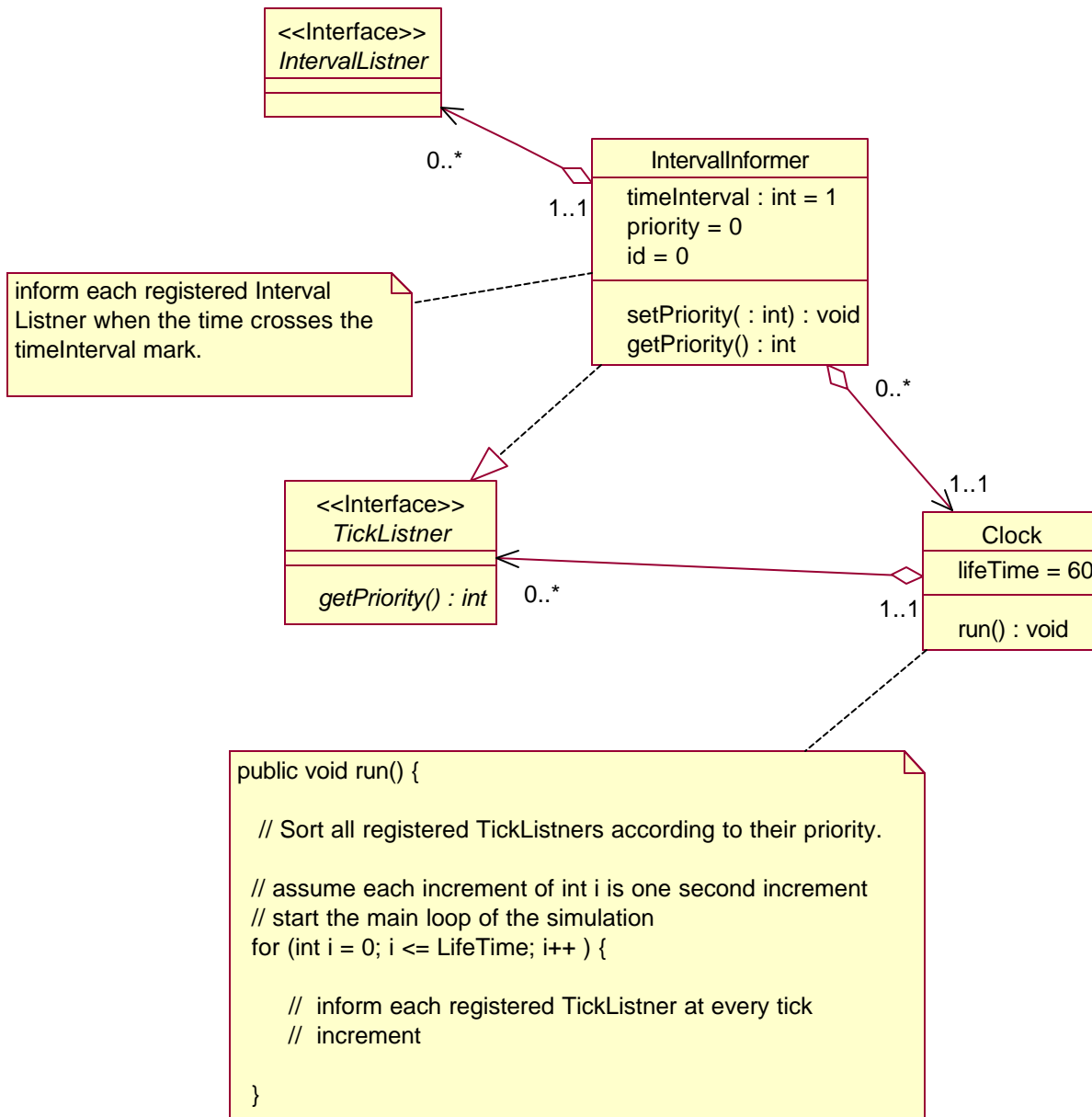
Spring 2000

This HW assignment will be explained in detail during a class lecture. The assignment is based on the class notes, Observer1, Observer2, Observer3.

The diagrams shown here are just skeletons, with only some important attributes, and operations shown. It is your job to fill in all the other attributes, and operations, i.e. registration, event handler operations etc.

You would also want to add event objects, like Interval, Tick, etc. These objects would be passed by the event emitters to the event consumers (listeners) [See Observer3]





Client Class.

In its main() method, it constructs the various components, sets their attributes, connects them together, and starts the main clock. Here is what the main method should do:

- Construct a clock, with lifeTime set to 120 seconds.
- Construct three IntervallInformers with timeIntervals set to 4, 60, and 100 seconds respectively. In this problem, you can set the priorities all to 0.
- Connect the IntervallInformers to the clock, to listen to Tick events.
- Construct one printer
- Connect this printer to the three IntervallInformers to listen to Interval events
- Invoke the run() method in the clock to start the main loop of the simulation

Whenever the Printer gets informed of an Interval event, it prints that interval to standart output, along with the id of the IntervallInformer.

