

1. The zip file contains two files, one is Thread-per-request file and another is Event-base file. In each of them, you can find two filers called “bin” and “src” and a csv file.

The bin file contains all .class file that can be executed.

The src file contains all source code.

The FloridaCounties.csv is the input file used to test.

I use Eclipse to program and test my program.

Thread-per-request program’s package is ood.tpr

Event-base program’s package is ood.ebs

2. For those two programs, each of them has a starter class, the main function is in there. The record class is the data structure passed between tasks. In event-base scheduler, I use observer pattern to trigger the transition between states. You can find the MyEvent Class, EventSource Class and Listener Class.
3. Open thread-per-request file or event-base file, you can see a csv file called FloridaCounties.csv, that is the input file (client component read it and send each request to scheduler). I cut down the original file because it is too big and each request has waiting time that will take long time. I just chose several requests to test my program.

4. The final output of those two program is a list that show tally of type (task four did this). If you use my csv file then the output should be:

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Tally By Type:  
Commercial: 0  
Residential,Wood: 3  
Residential,Masonry: 7  
Commercial,Reinforced Concrete: 1  
Commercial,Reinforced Masonry: 0  
Commercial,Steel Frame: 0
```

5. I did observe pattern, flyweight pattern and bridge pattern in the event-base scheduler. The event listener represents an observer.