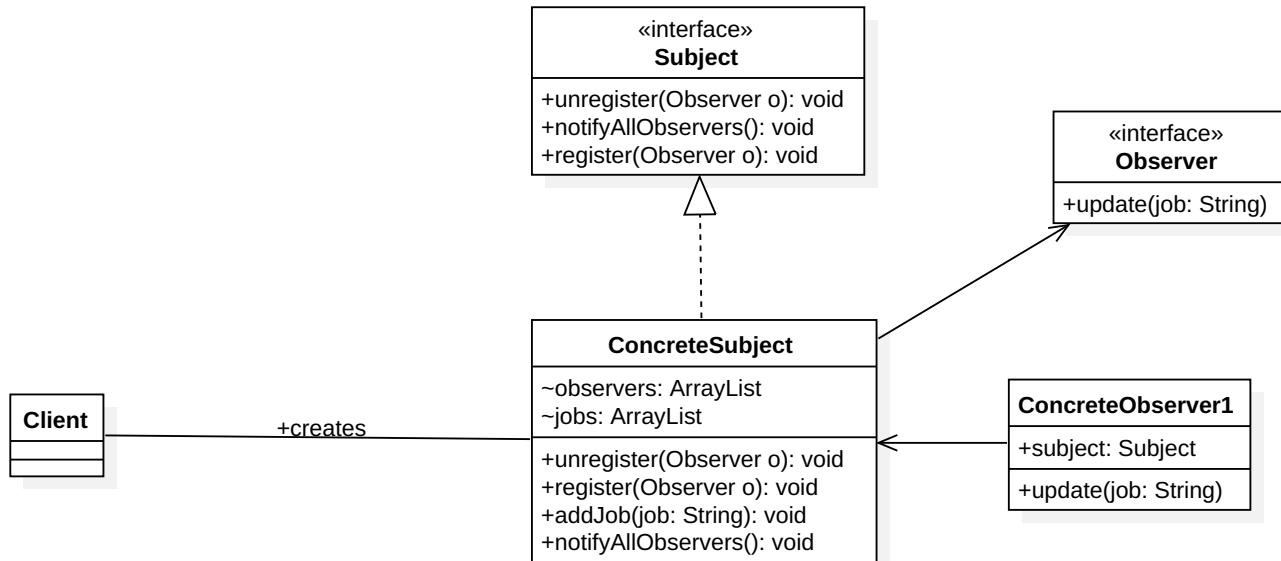# ENSF 480 Fall 2017
Quiz III - Solution

NAME: _____

Based on above class diagram that is the solution of problem II, tutorial 3, in the following space write the definition of class ConcreteSubject in Java that only shows implementation of its constructor, method register, and method notifyAllObservers.

```java
class ConcreteSubject1 implements Subject {
    private ArrayList<String> jobs;
    private ArrayList <Observer> observers;

    public ConcreteSubject1(ArrayList<String> jobs) {
      observers = new ArrayList<Observer>();
      this.jobs = jobs;
    }

    public void register(Observer o) {
        observers.add(o);
        String jobsInfo = "";
        for(int i =0; i < jobs.size(); i++) jobsInfo += jobs.get(i) + "\n";
        o.update(jobsInfo);
    }

  public void notifyObserver() {
   for(int i = 0; i < observers.size(); i++){
        Observer o = observers.get(i);
        String jobsInfo = "";
        for(int j =0; j < jobs.size(); j++) jobsInfo += jobs.get(j) + "\n";
        o.update(jobsInfo);
   }
}
```