SE2811 Quiz 5 Name:

1. (3 pt.) In each of the following, select the pattern that best meets the need
	1. We want to design a package so that we can add new object types without changing the old code.
		1. Strategy
		2. Factory Method
		3. Singleton
		4. Observer
	2. We want to connect to a database and make calls to it from various parts of our code.
		1. Strategy
		2. Factory Method
		3. Singleton
		4. Observer
	3. We want to use an event-driven programming model.
		1. Strategy
		2. Factory Method
		3. Singleton
		4. Observer
2. (1 pt.) By separating display and state change into different classes, the Observer pattern …
	1. Decreases Cohesion
	2. Increases Cohesion
	3. Decreases Coupling
	4. Increases Coupling
3. [6 pt.] Concerning this singleton code:
	1. (2 pt.) Write the missing Singleton constructor. It doesn’t actually have to do anything:

public class Singleton {

 private static uniqueInstance = null;

 public static void getInstance() {

 if(uniqueInstance == null) {

 uniqueInstance = new Singleton();

 }

 }

}

* 1. (4 pt.) Briefly describe two ways to fix Singleton so that getInstance doesn’t double-instantiate.
		1.