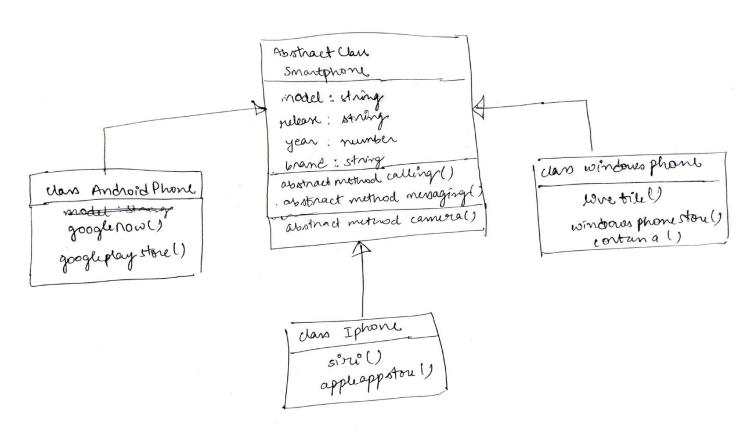
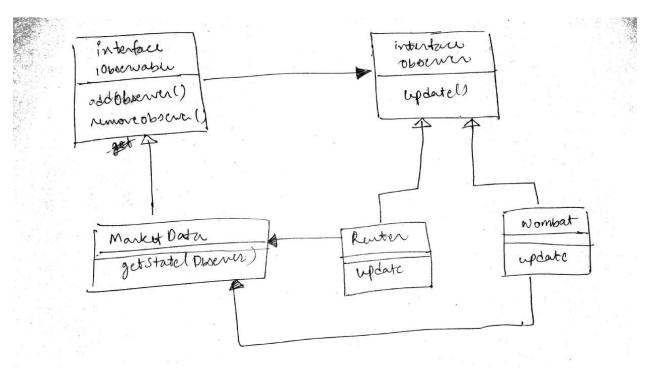
Design Principles and Patterns Assignment

Question1:



Question 2:



Question 3:

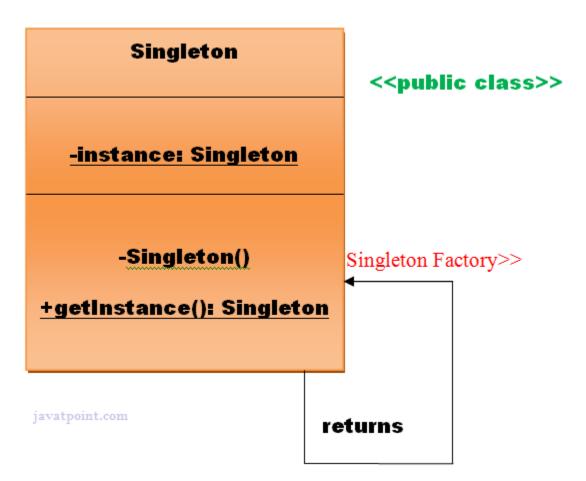
Singleton Pattern says that just define a class that has only one instance and provides a global point of access to it.

In other words, a class must ensure that only single instance should be created and single object can be used by all other classes.

There are two forms of singleton design pattern

- Early Instantiation: creation of instance at load time.
- Lazy Instantiation: creation of instance when required.

Uml of Singleton design pattern



Thread Safe Singleton:

```
public class Singleton
{
```

private static instance;

Question 4:

