Name: _____

Chapter 10 Quiz

1. [10pts] Name 5 things you should <u>add and/or update</u> when planning the next iteration.

2. [2pts] If you have pending bugs, how do you <u>prioritize</u> which bugs to fix in the next iteration?

3. [2pts] T or F. New third-party code should be treated with great suspicion.

4. [12pts] Circle and annotate 6 different problems you can see in the third-party code below. You're looking for everything from readability of the code to problems with functionality. Note that in testing a program that used this code, it was found that the program would hang when submitting orders, giving no other indications of a problem. (The lines are double spaced to make them easier for you to annotate.)

```java
// Follows the Singleton design pattern

public class MercuryMeals

{

    public MercuryMeals meallythang;

    private Order cO;

    private String qk = "select * from order-table where keywords
like %1;";


public MercuryMeals() {

}


public MercuryMeals getInstance() {

    this.meallythang = new MercuryMeals();

    return this.instance;

}


// TODO Really should document this at some point... TBD

public Order createOrder() {

    return new Order();

}
```

Continued next page…

```java
public MealOption getMealOption(String option) throws
MercuryMealsConnectionException {

    if (MM.establish().isAnyOptionsForKey(option)) {

        return MM.establish.getMealOption(option).[0]

    }

    return null;

}



public boolean submitOrder(Order cO) {

    try {

        MM mm = MM.establish();

        mm.su(this.cO);

    } catch (Exception e) {

        // write out an error message

    }

    return false;

}



public Order[] getOrdersThatMatchKeyword(String qk) throws
MercuryMealsConnectionException {

    Order o = new Order[];

    try {

        o = MM.establish().find(qk, qk);

    } catch (Exception e) { return null; }

    return o;

}}
```