# CSSE 374 – Software Architecture and Design I

## Quiz 3

1. **True** or **false** (circle one): An operation contract details an entire use case.
2. Which section of an operation contract is the most important?
3. List four sorts of state changes to the domain model that are most likely to be described in an operation contract:



1. **True** or **false** (circle one): Post-conditions give step-by-step details of the actions to be performed to implement a system operation.

If you answered “false”, explain why the statement is false:

1. What tense should the post-condition be written in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. **True** or **false** (circle one): We should write an operation contract for every system operation in every system sequence diagram of our requirements.

If you answered “false”, explain why the statement is false:

1. Consider the system sequence diagram (SSD), Use Case, and Domain Model in slides. Complete the following operation contract:

**Operation**: makePayment(method, amount)

**Cross references**:

**Preconditions**:

**Postconditions**:

1. The large-scale organization of software classes into packages, subsystems, and layers is called the system’s logical (what)  
    \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. List some layers that typically occur in object-oriented systems:
3. What’s the difference between a *strict* and a *relaxed* *layered architecture*?

1. On p 201 the book suggests that you have tools to reverse engineer package diagrams. Why is that valuable?