# CSSE 374 – Software Design

## Quiz 9

1. What are the three architectural building blocks in Software Architectures?
2. **True** or **false** (circle one): UML package diagrams only show the grouping of classes.

1. Consider the UML package diagram below that uses the alternative UML approach of fully-qualified package names.  
     
   Redraw the package diagram using the traditional nested style. (If you are submitting this electronically, you can describe what this would look like!)
2. List four problems that are mitigated by using a layered architecture:



1. For each of the following common layers in a layered architecture, give an example. The first one is done for you:

* **UI**: the client-side code for a web-based system
* **Application**:
* **Domain**:
* **Technical Services**:

1. Why are the software artifacts in the domain layer given names taken from the domain model?
2. What’s the difference between a **layer** and a **partition**?
3. In the model-view separation principle, “model” is a synonym for the  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ layer and “view” is a synonym for the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ layer.
4. In a typical layered architecture, where do system operations from SSDs show up as messages?
5. List something (if anything) that became clear to you as a result of studying for today’s class. Write None or N/A otherwise, so I know you gave it some thought.   
   (Completely blank answers to feedback questions like this will receive 0 credit!)
6. Note anything from the reading and quiz (or from the course so far) that you still have a question about. If you think about it and there's really nothing, then write None or N/A so I know you gave it some thought.