

# CE/CS/SE 3354.004, Software Engineering, Fall 2017

## Quiz #2

Name (please print): \_\_\_\_\_  
UTD ID: \_\_\_\_\_

### PART I True or False

Only "T" and "F" are acceptable answers, please put your answer in the table.

1	2	3	4	5
F	F	F	T	T

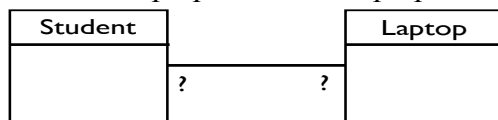
1. The sequence diagram describes the static structure of a program.
2. The model part of the MVC Pattern addresses the external representation of the system.
3. In class diagram, a class has two compartments: the name and the operations of the class.
4. In general, there should be at least one sequence diagram for each use case in the design.
5. It is a good idea to move back and forth between the static and dynamic views of the design.

### PART II Single Answer Choice

Only one answer can be the correct answer, please put your answer in the table.

1	2	3	4	5
D	B	C	A	A

1. In which of the following options, the relationship between two classes is composition?  
A. Courses and Students  
B. Committees and People  
C. Animals and Dogs  
D. Universities and Departments
2. If you are asked to design an operating system for a new mobile device, what architectural style should you consider first?  
A. Pipe and Filter Architecture  
B. Layered Architecture  
C. Repository Architecture  
D. None of the above
3. Complete the association between Student and Laptop in a class diagram (each student can own  $\geq 0$  laptops and each laptop can only be owned by one student).



- A. \*, 1
  - B. 0, 1
  - C. 1, \*
  - D. 1, 0
4. Which of the following can be represented by  $\longrightarrow$  in sequence diagram?  
A. Asynchronous message  
B. Synchronous message  
C. Return message  
D. General message
  5. If you are asked to build a compiler system for a new language, which software architecture should you consider first?  
A. Pipe and filter  
B. Layered architecture  
C. Repository architecture  
D. None of the above