**CS 4321 - Video Lecture Expectations**

**Video P4L2: Black Box Testing (46 minutes)**

Note: Stop after “Category Partition Demo.”

1. Black-box testing is also called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. List four advantages of black-box testing.

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1. List the three steps in moving from a functional specification to test cases.

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1. List two ways to identify the relevant inputs (also called test data selection)

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1. Random testing eliminates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is designer bias?

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1. Why is random testing not the best approach?

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1. Failures tend to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ but \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the input domain.
2. What are partitions/subdomains of the input domain?

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1. Errors tend to occur at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a partition/subdomain
2. A specific black-box testing approach is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method
3. What are the 6 steps in the category-partition method?

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1. When identifying categories we determine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of each input element
2. When partitioning categories into choices we identify interesting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of each category
3. What two reasons do we identify constraints among choices?

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1. List the three types of constraints

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1. When combining choices we use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ constraint to make sure we don’t generate meaningless test cases
2. When combining choices we use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ constraint to make sure a choice is tested only once
3. We generate a specific test case from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_