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Course: Software Quality Assurance

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1. **Although testing detects errors, alone it cannot be used to build quality. Why so**?

**Answer:**

* A strategy for software testing integrates the design of software test cases into a well-planned series of steps that result in successful development of the software
* The strategy provides a road map that describes the steps to be taken, when, and how much effort, time, and resources will be required

1. **What is verification and validation give one real life example**

**Answer:**

**Verification**- The set of activities that ensure that software correctly implements a specific function or algorithm.

**Validation-** The set of activities that ensure that the software that has been built is traceable to customer requirements

1. **A software system comprises four main components.** 
   1. List the four components of a software system.

**Answer:**

• Computer programs (the “code”)

• Procedures

• Documentation

• Data necessary for operating the software system