Test case Design Technique

Following are the typical design techniques in software engineering:

1. Deriving test cases directly from a requirement specification or black box test design technique. The Techniques include:
   - **Boundary Value Analysis** (BVA)
   - **Equivalence Partitioning** (EP)
   - **Decision Table Testing**
   - **State Transition Diagrams**
   - **Use Case Testing**

2. Deriving test cases directly from the structure of a component or system:
   - **Statement Coverage**
   - **Branch Coverage**
   - **Path Coverage**
   - **LCSAJ Testing**

3. Deriving test cases based on tester's experience on similar systems or testers intuition:
   - **Error Guessing**
   - **Exploratory Testing**