

# **SNS COLLEGE OF TECHNOLOGY**

Kurumbapalayam (Po), Coimbatore – 641 035

**An Autonomous Institution**

Accredited by NAAC – UGC with ‘A++’ Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**COURSE NAME: 23ITO201- SOFTWARE TESTING  
(OPEN ELECTIVE )**

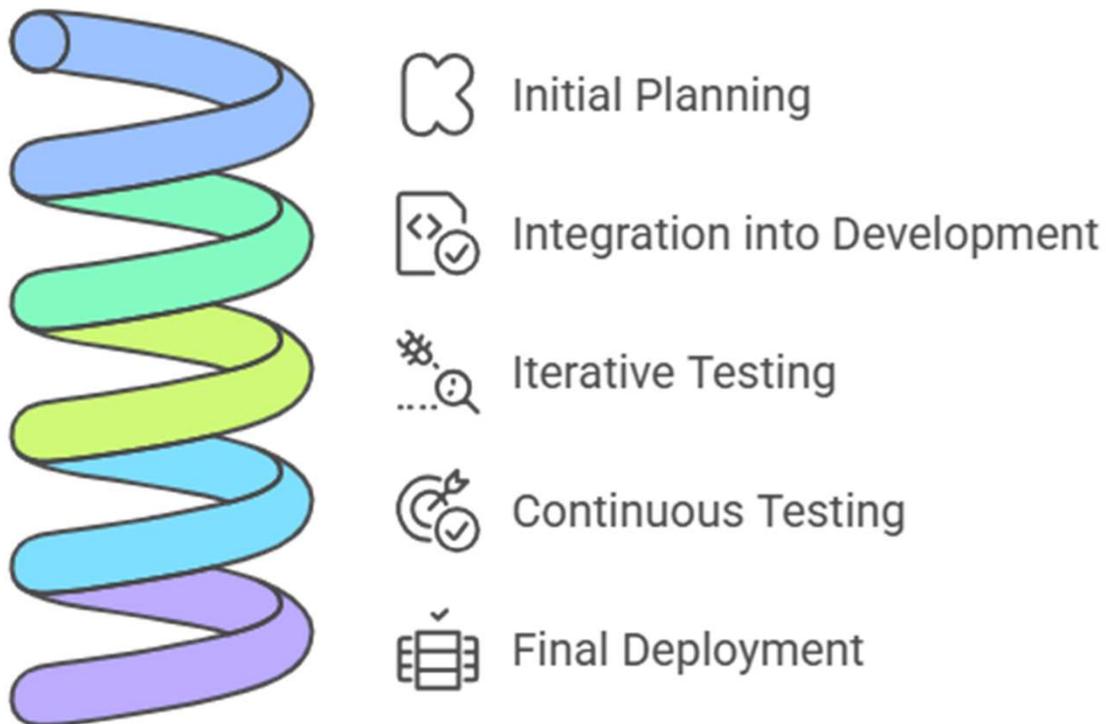
**III YEAR / VI SEMESTER**

**Unit 1 - INTRODUCTION**

**Topic 2: Testing as a Process**

# Recall in Testing Process in Software Development

## Testing Process in Software Development



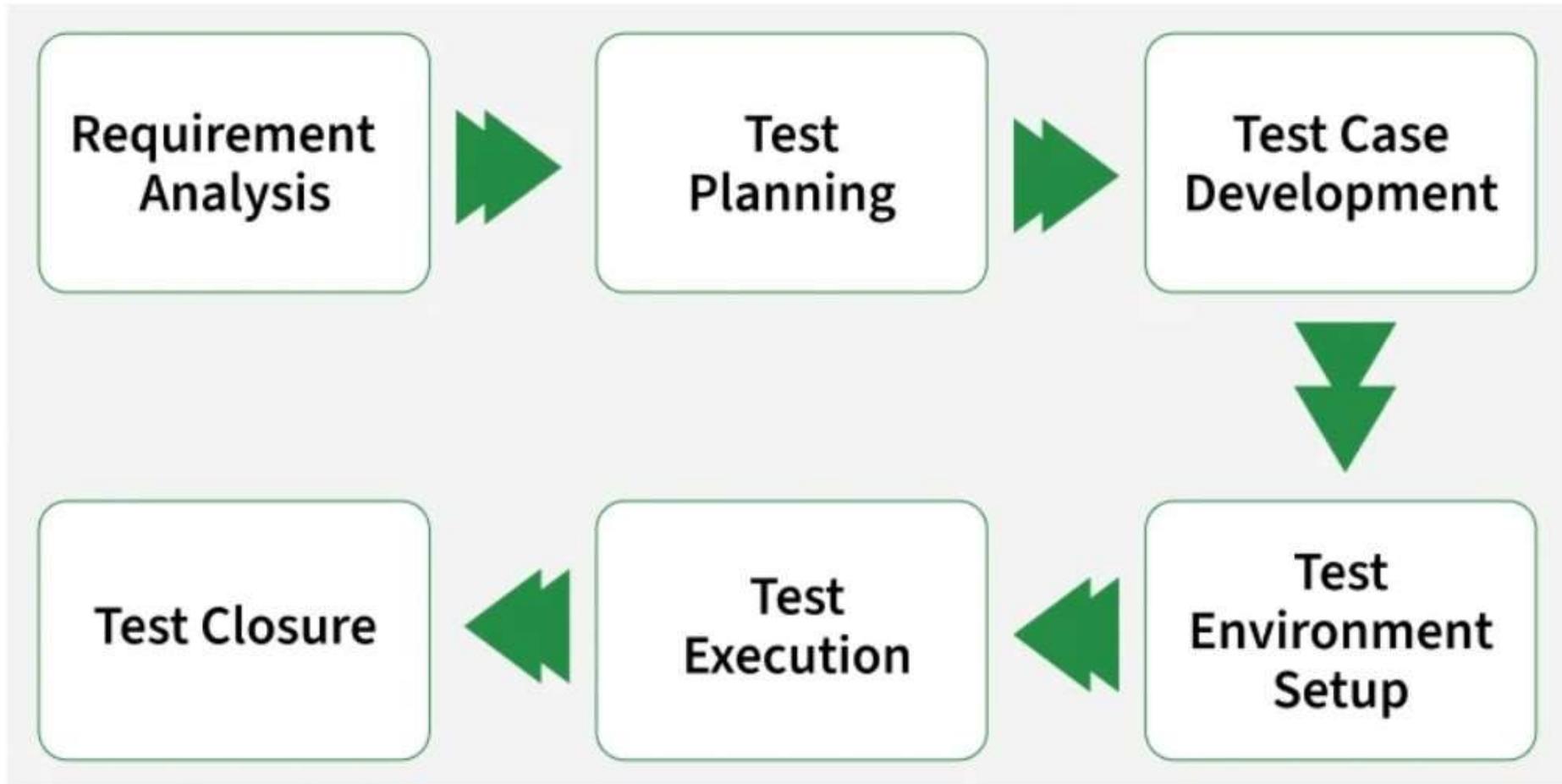
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# Empathy in The Iterative Testing Cycle

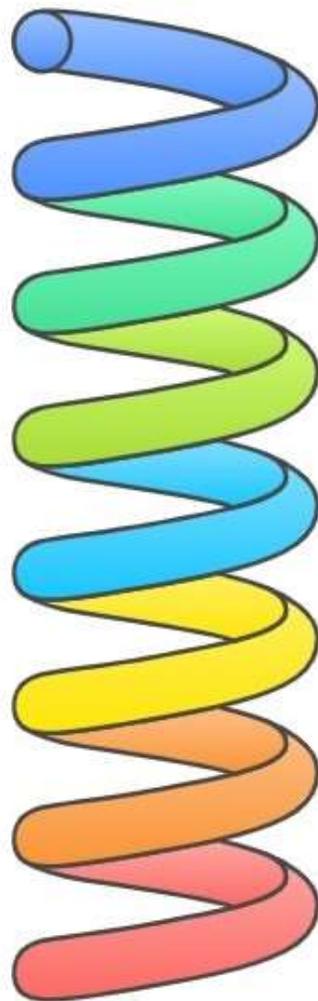
## The Iterative Testing Cycle



## Stages of Testing in the SDLC



## Requirements Analysis Testing Process



Identify Testing Focus



Conduct Requirements Review



Assess Testability



Design Early Test Cases



Prepare Review Reports

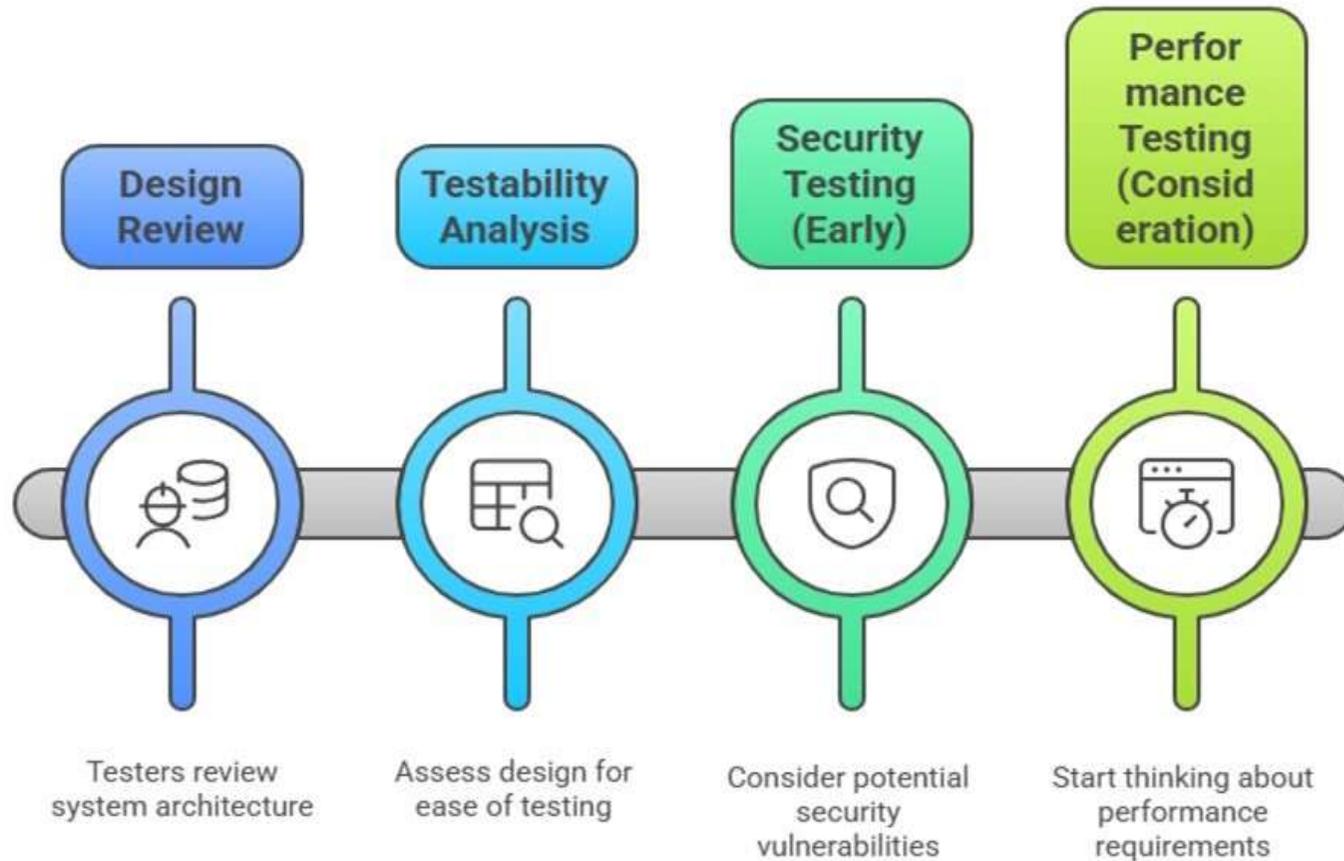


Outline Test Plan

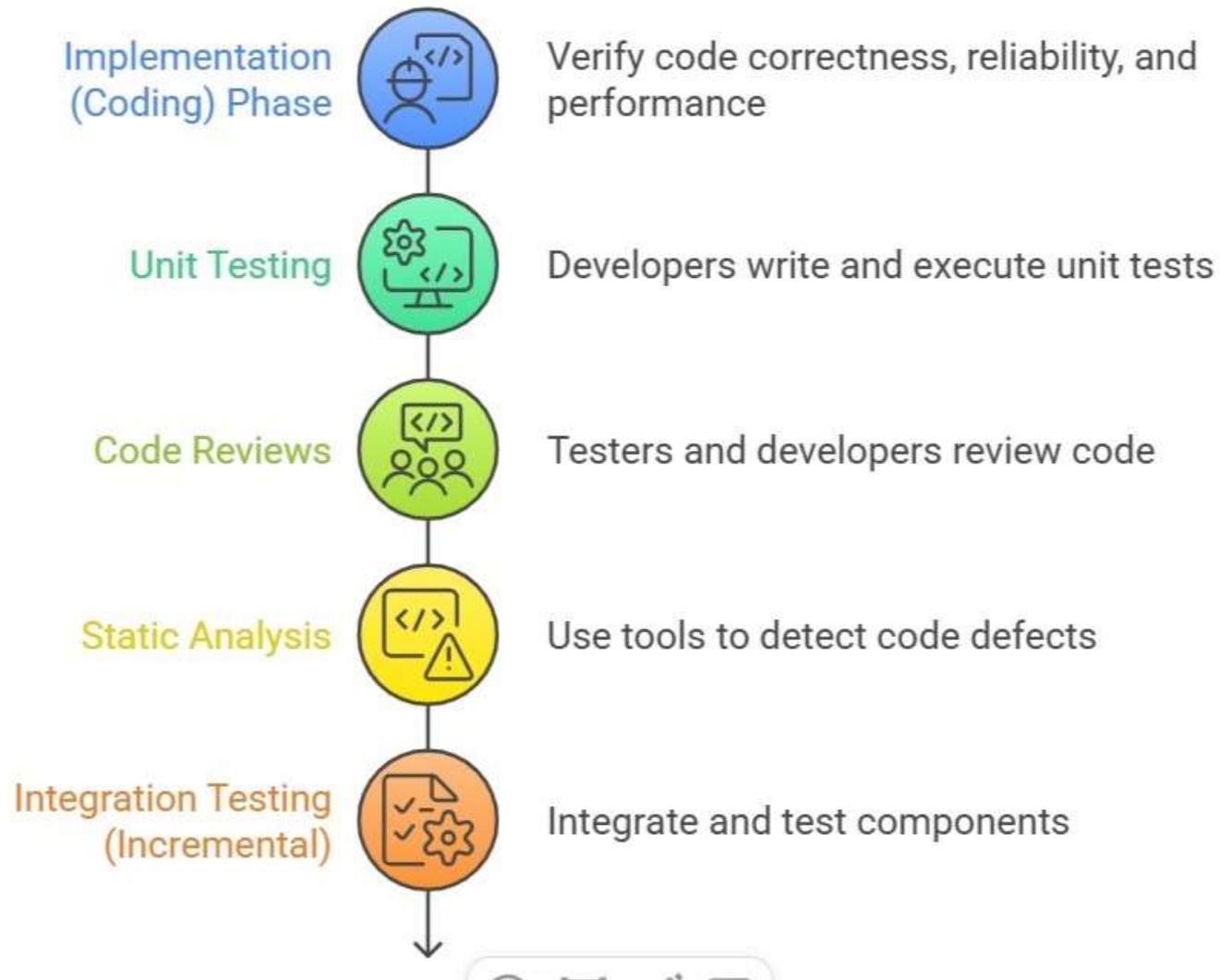


List Questions and Clarifications

## Design Phase Testing Activities

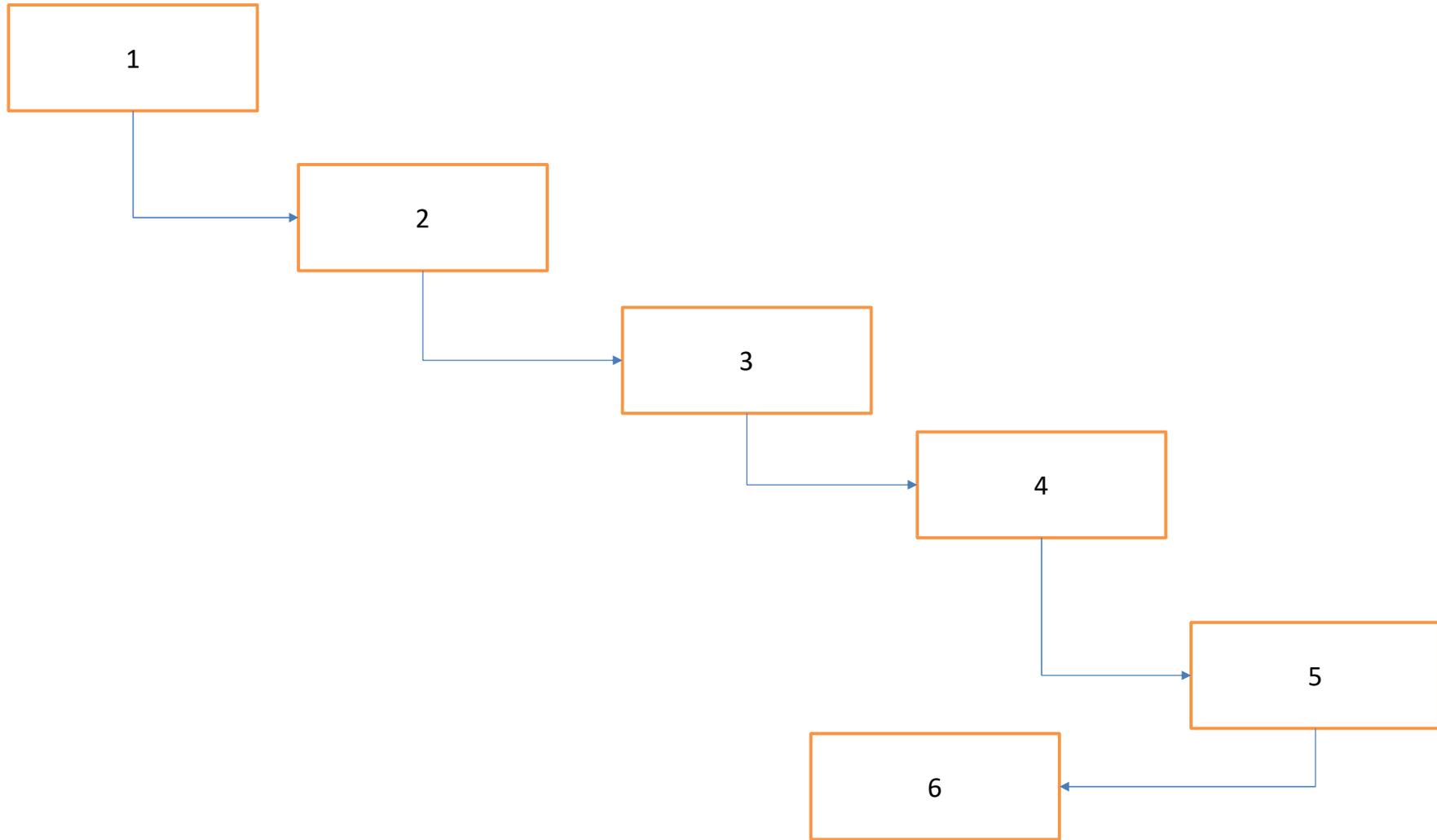


## Implementation Phase Testing Timeline

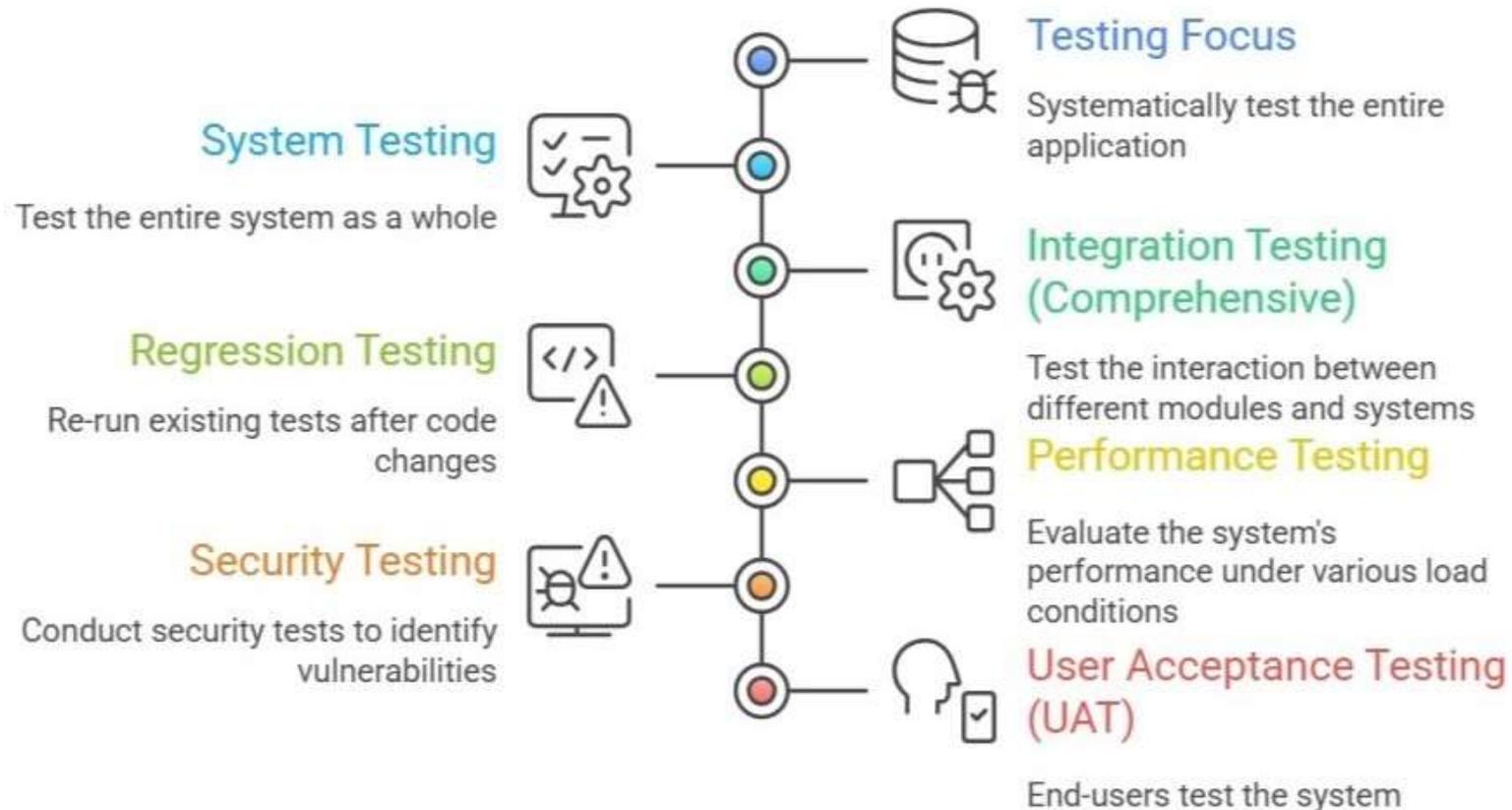


# Activities

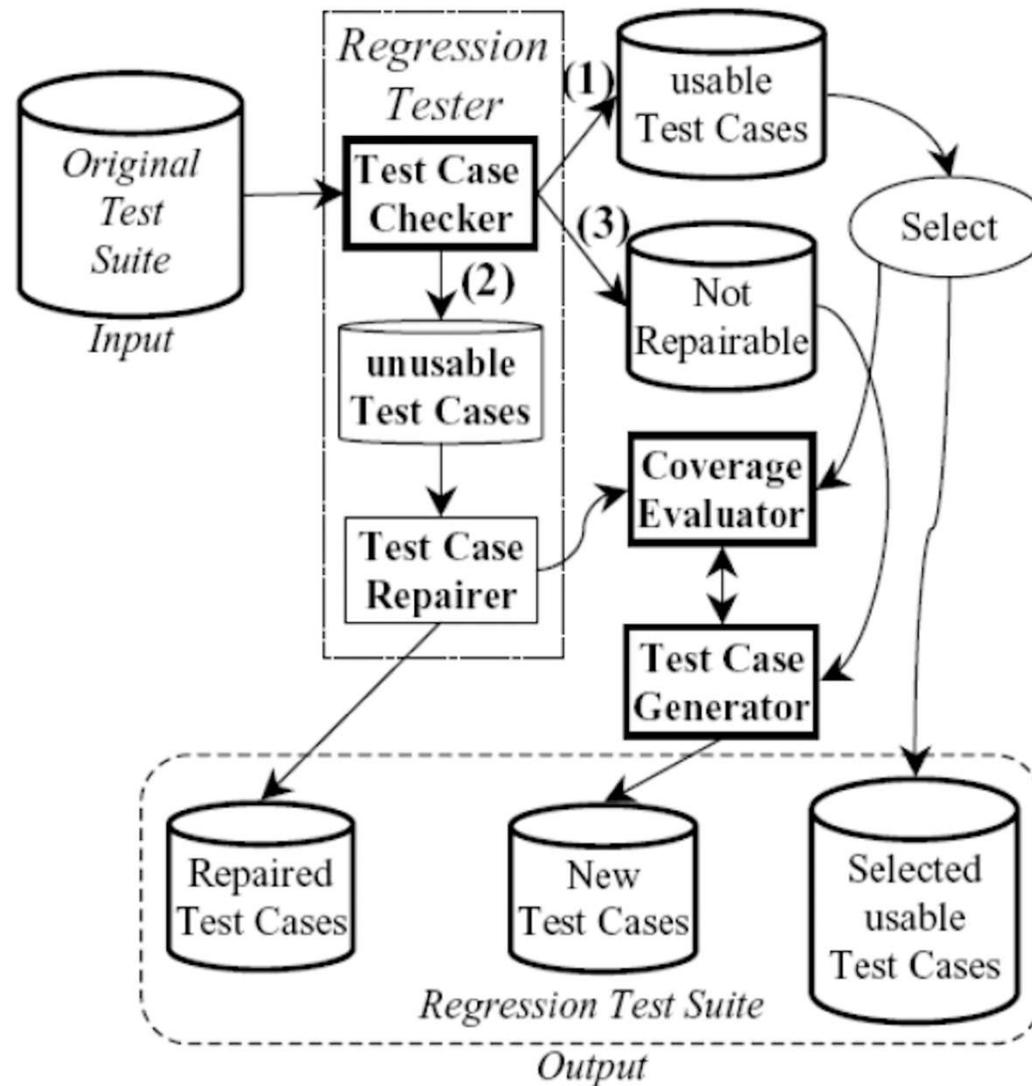
## Activity 1: Testing as a Process



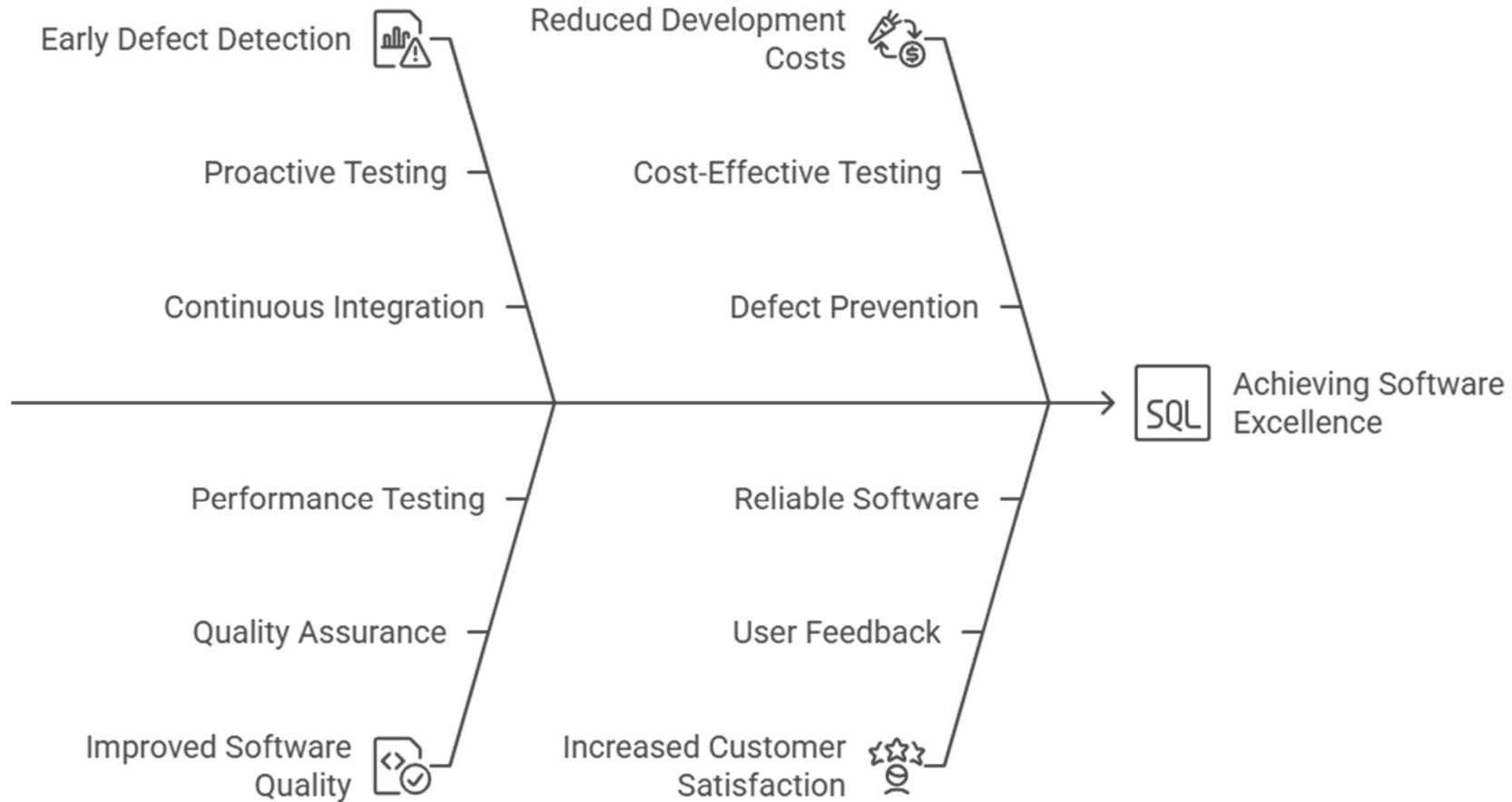
## Comprehensive Testing Phase in SDLC



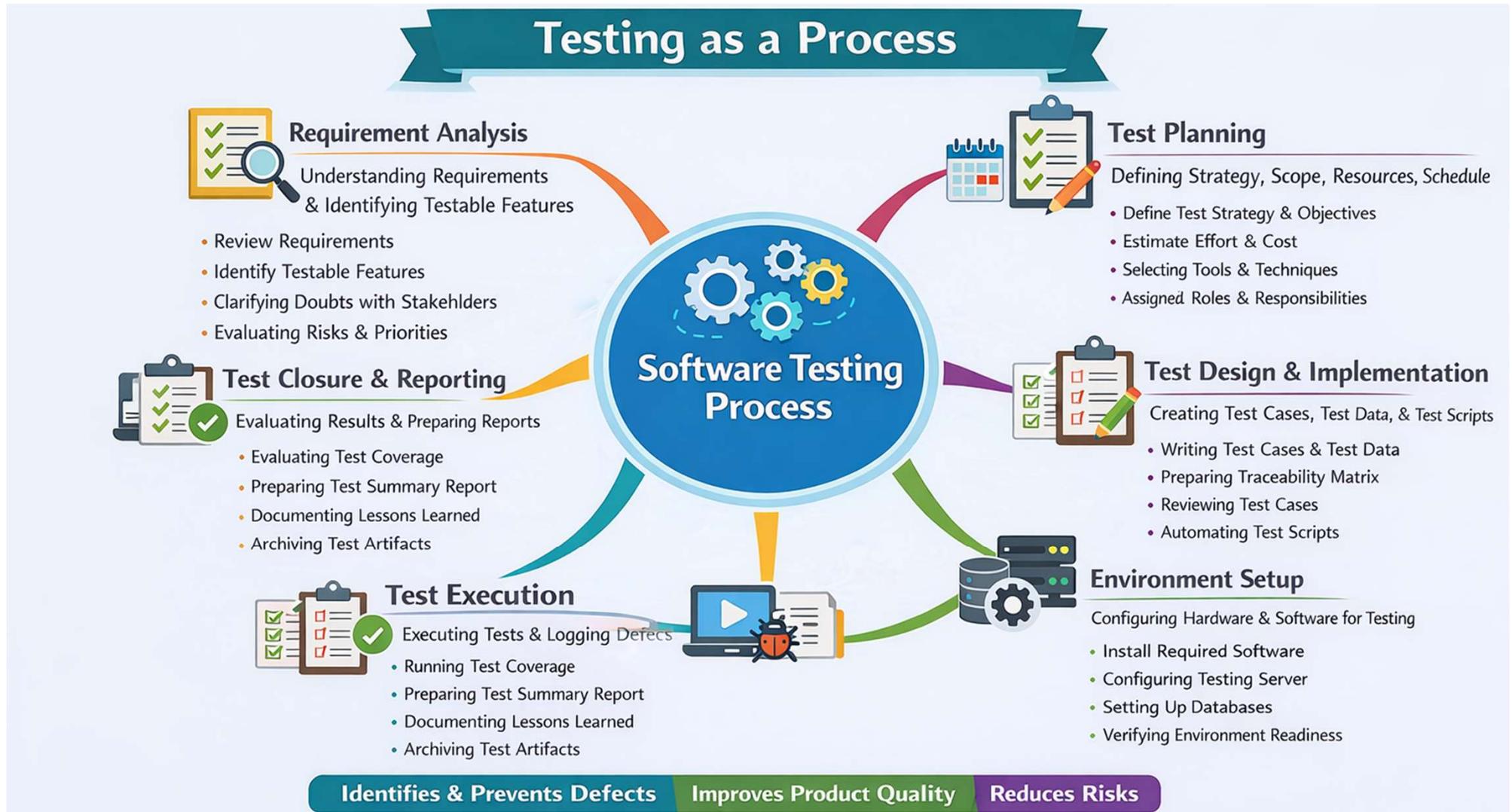
## Maintenance Testing in Software Testing



## Benefits of Effective Testing



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## Testing as a Process (With Answers)

**1** Testing as a process mainly focuses on:

- A. Writing code
- B. Finding and preventing defects
- C. Designing databases
- D. Deploying software

**Answer: B — Finding and preventing defects**

**2** Which of the following is the FIRST step in testing as a process?

- A. Test Execution
- B. Test Closure
- C. Requirement Analysis
- D. Test Reporting

**Answer: C — Requirement Analysis**

TEXT BOOKS	
1.	Srinivasan Desikan and Gopalaswamy Ramesh, —Software Testing – Principles and Practices, Pearson Education, 2006.
REFERENCES	
1.	Ilene Burnstein, —Practical Software Testing, Springer International Edition, 2003
2.	Edward Kit, Software Testing in the Real World – Improving the Process, Pearson Education, 1995
3.	Boris Beizer, Software Testing Techniques – 2nd Edition, Van Nostrand Reinhold, New York, 1990.
4.	Aditya P. Mathur, —Foundations of Software Testing _ Fundamental Algorithms and Techniques, Dorling Kindersley (India) Pvt. Ltd., Pearson Education, 2008.

THANK YOU

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