

STRESS , RETESTING AND REGRESSION



PRESENTED TO
Neeti Kashyap

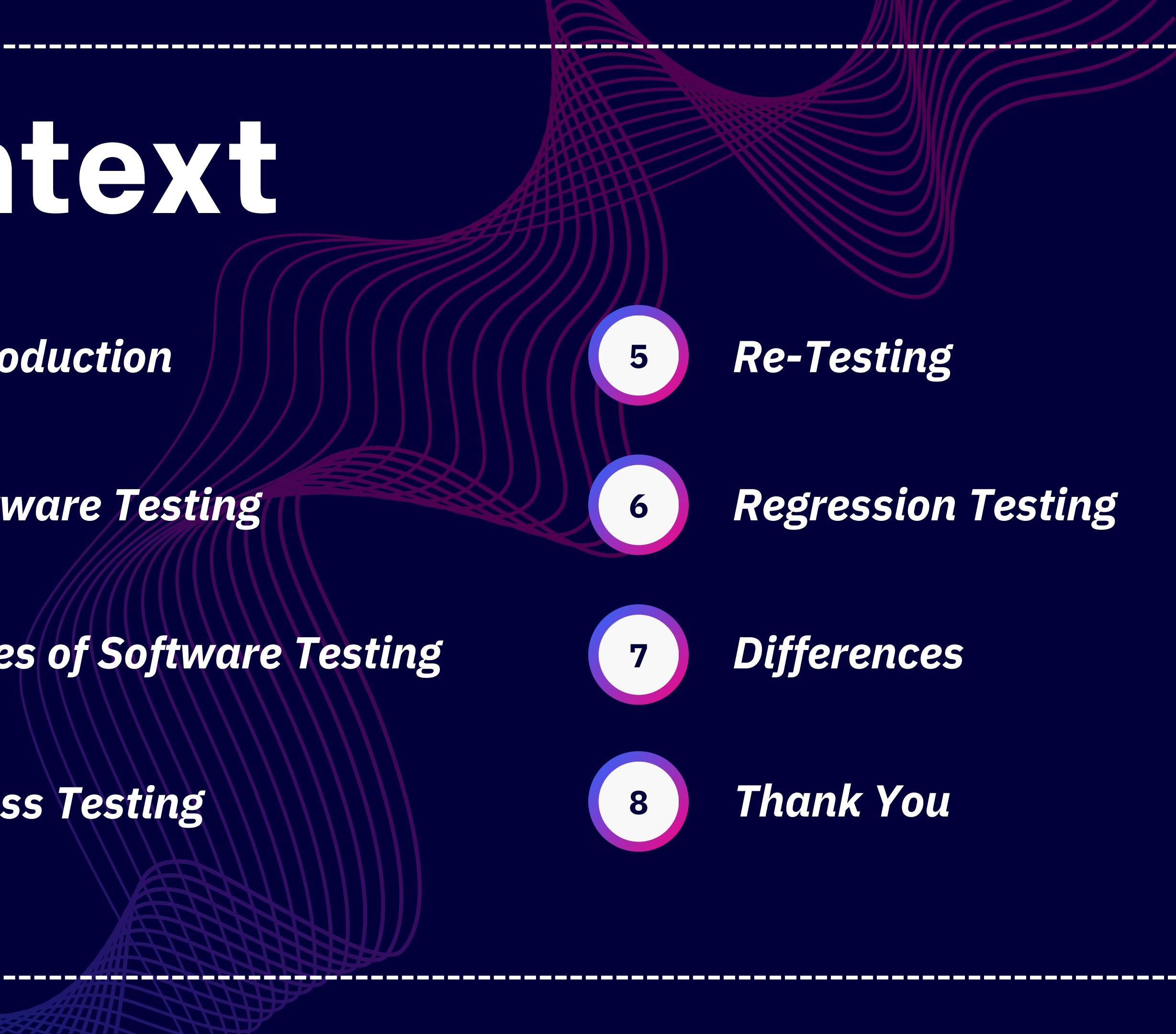
PRESENTED BY

Avtar Singh
(20csu241)

Sunil Kharsu
(20csu371)

20th March 2023

Context

- 
- 1 *Introduction*
 - 2 *Software Testing*
 - 3 *Types of Software Testing*
 - 4 *Stress Testing*
 - 5 *Re-Testing*
 - 6 *Regression Testing*
 - 7 *Differences*
 - 8 *Thank You*

Introduction >

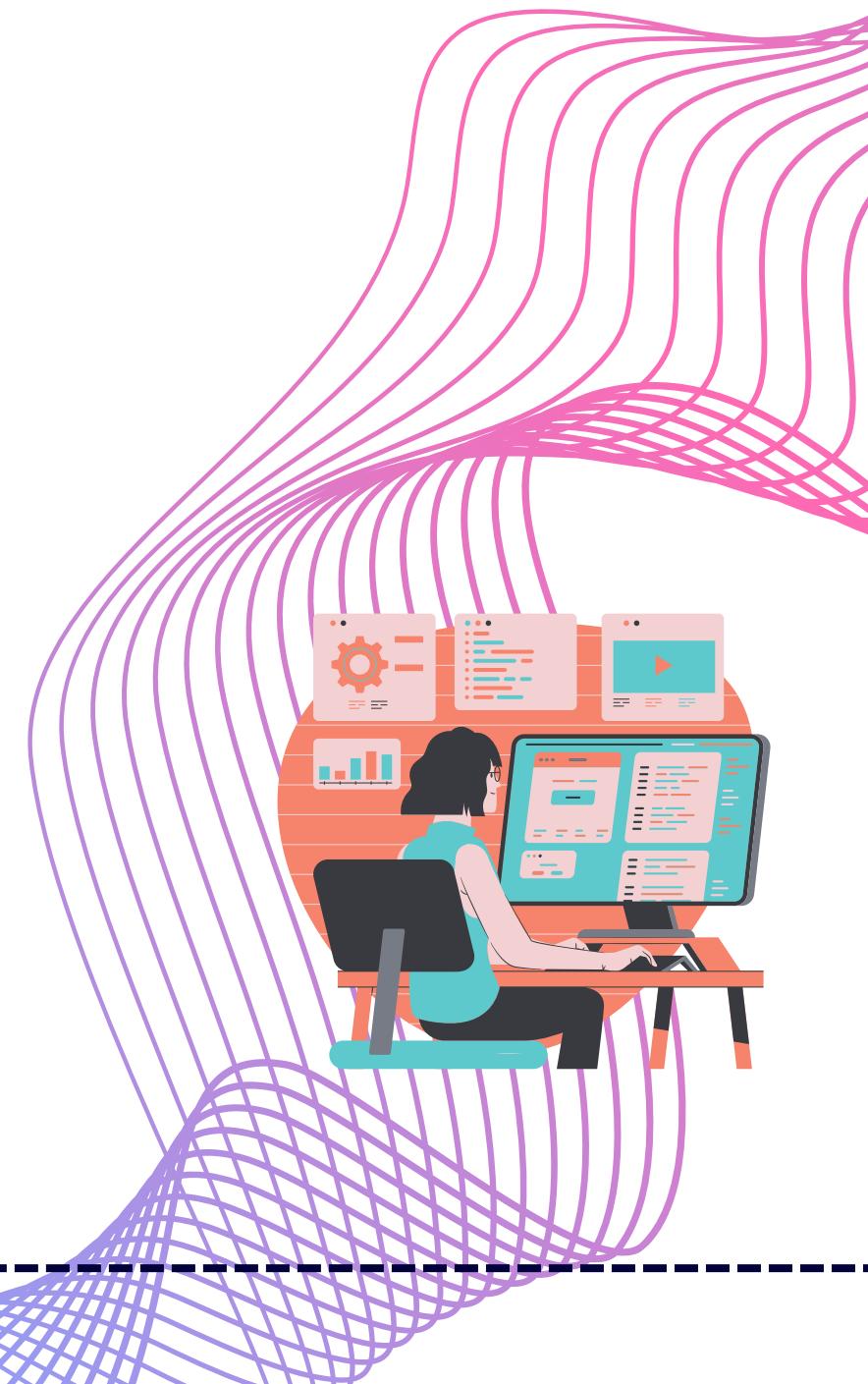
Introduction

- Measurement of Skills
- Getting an Outcome
- Retrieving an Score
- Validation of Procedure



Software Testing

- Evaluating Functionality in Software
- finding Bugs
- Compilation with Requirements



Why
Software Testing



Why Software Testing ?



COST EFFECTIVE

Saves Money



SECURITY

Secure Product



QUALITY

Good Quality



CUSTOMER SATISFACTION

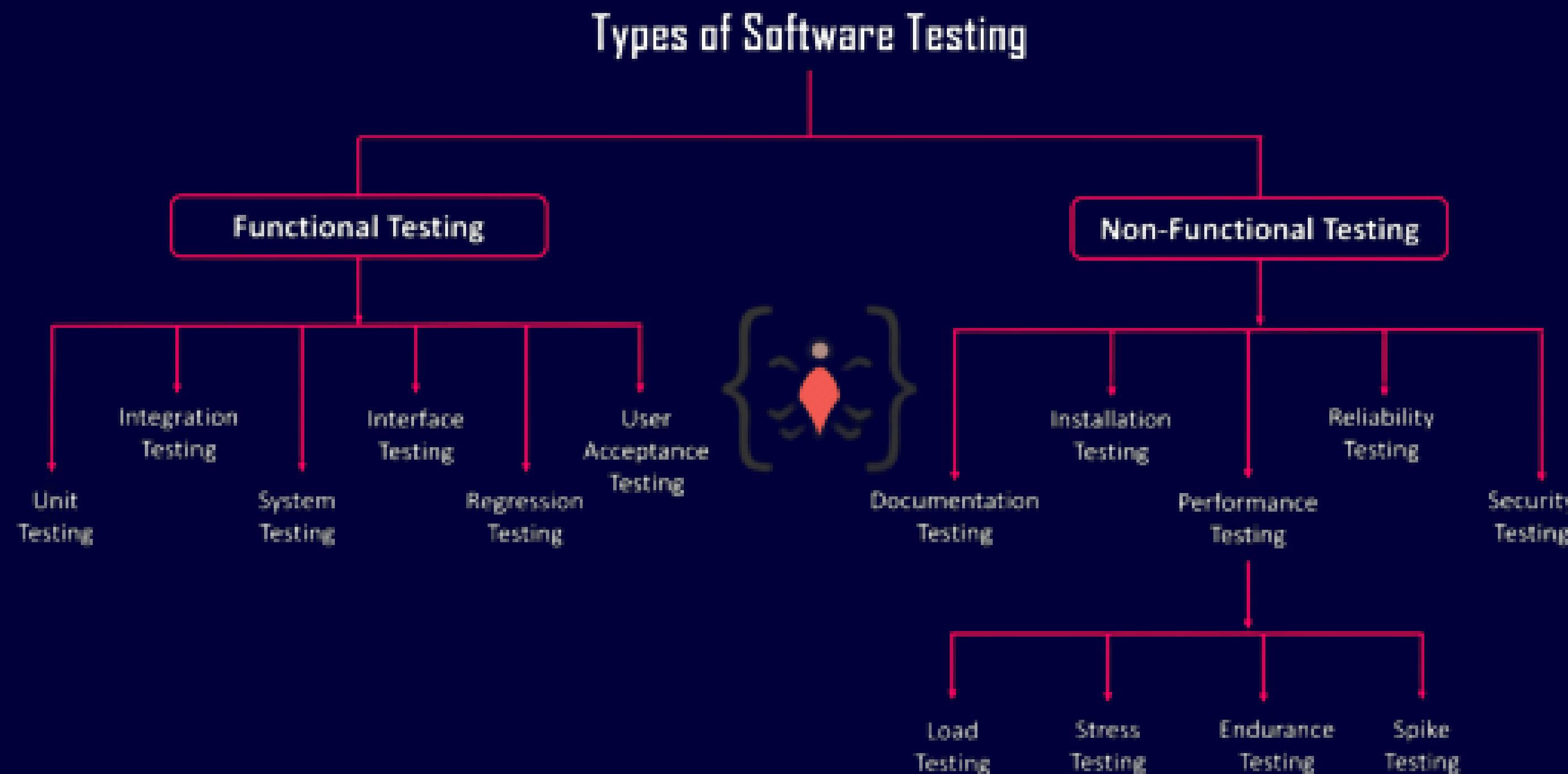
Best Customer satisfaction

Types of Testing



Types of Software Testing

Stress Testing >



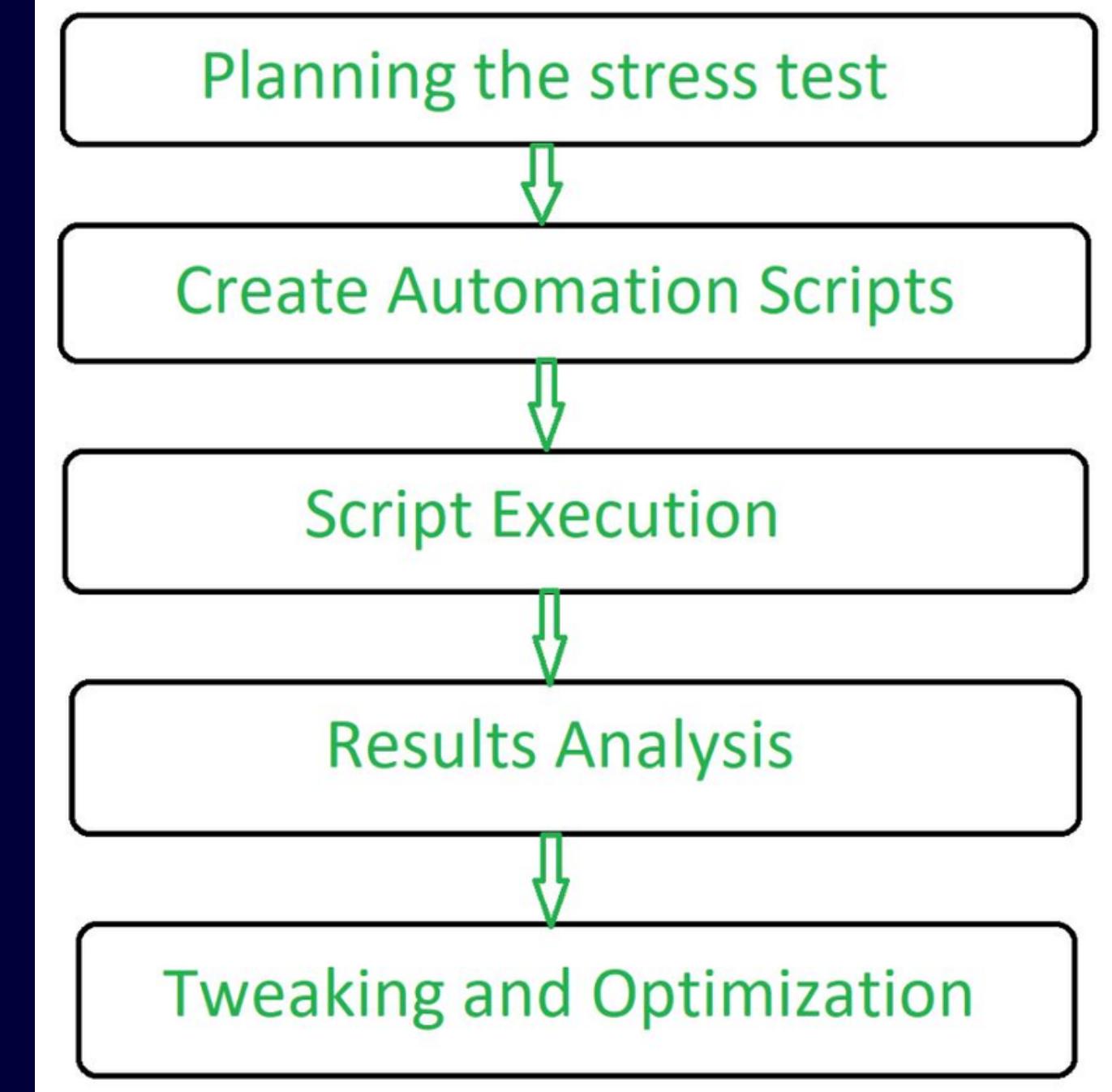
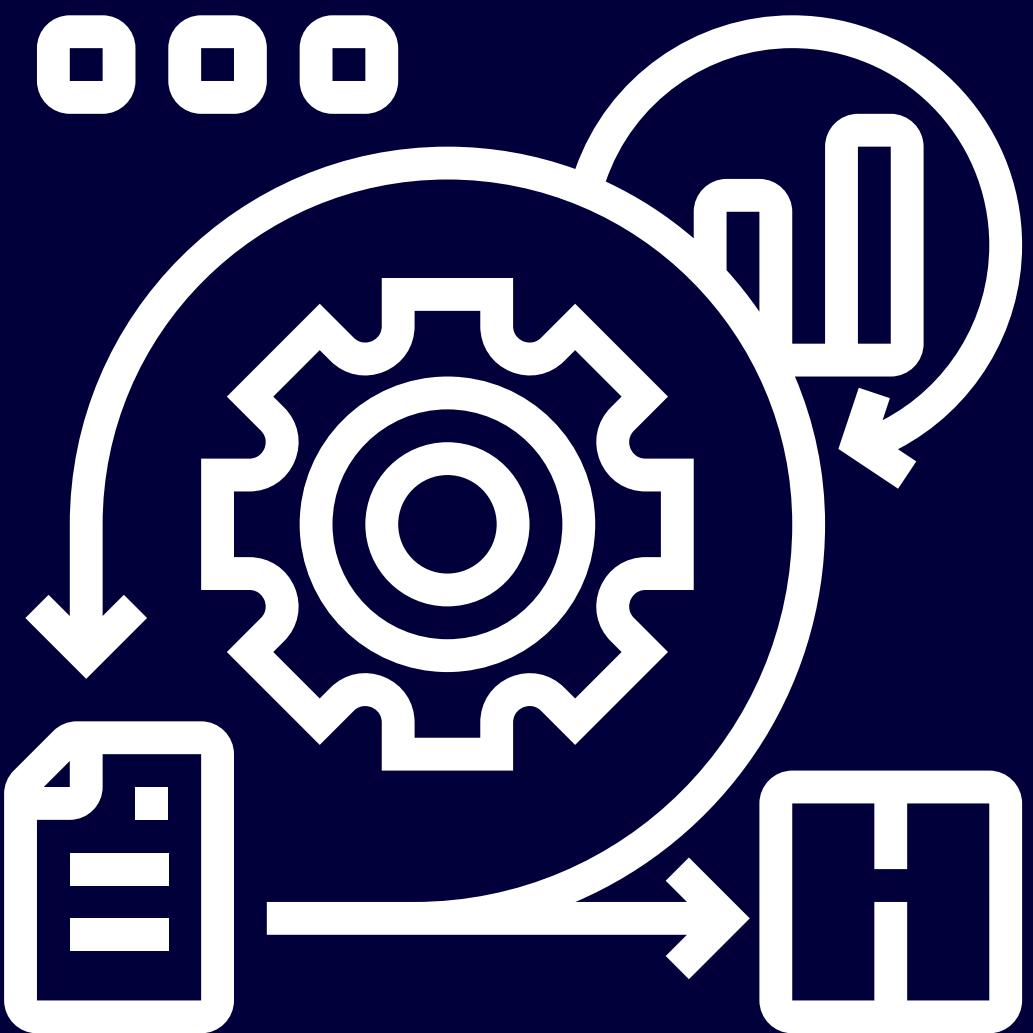


Stress Testing

- Type of Non-Functional Testing -> Performance Testing.
- Testing At Max Limit (Abnormal Condition)
- Reliable
- Stability

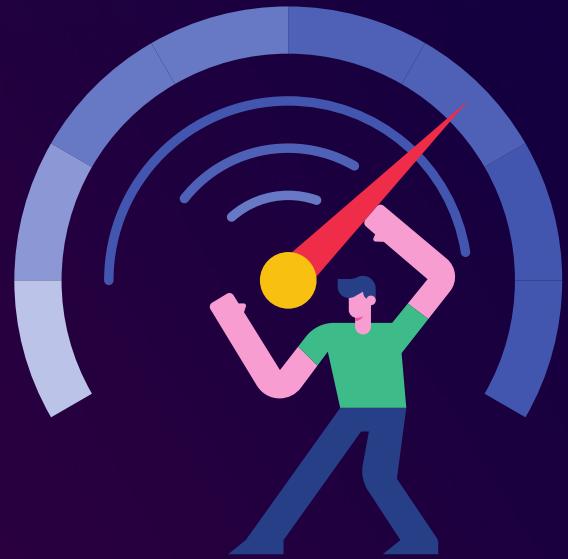


Procedure



Ref : www.geeksforgeeks.org/stress-testing-software-testing/

Reason For Stress Testing



**MONITOR SYSTEM
PERFORMANCE**
During Failure



SHOW ERRORS
Details About Error



DATA PROTECTION
Saves Data



CHECK SECURITY ISSUES
Find Leaks



Types of Stress Testing

- **Server-client Stress** Clients from the server.
- **Product Stress Testing:** Data, Network issues, and Performance.
- **Transaction Stress Testing:** One or more transactions between applications.
- **Systematic Stress Testing:** Perform tests on the same server.
- **Analytical Stress Testing:** Test system with abnormal parameters.

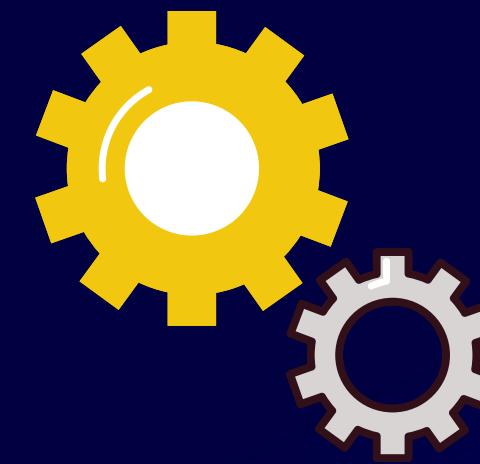


Disadvantages of Stress Testing



TIME TAKING PROCESS

Manual Process



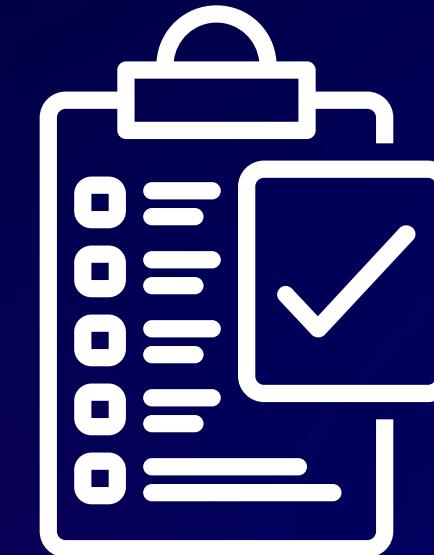
NEED LICENSED TOOLS

Heavy Traffic Need



NEED GOOD KNOWLEDGE

Working Knowledge



SHOULD FOLLOW PROCEDURE

Can Cause Major Problem

Re -testing



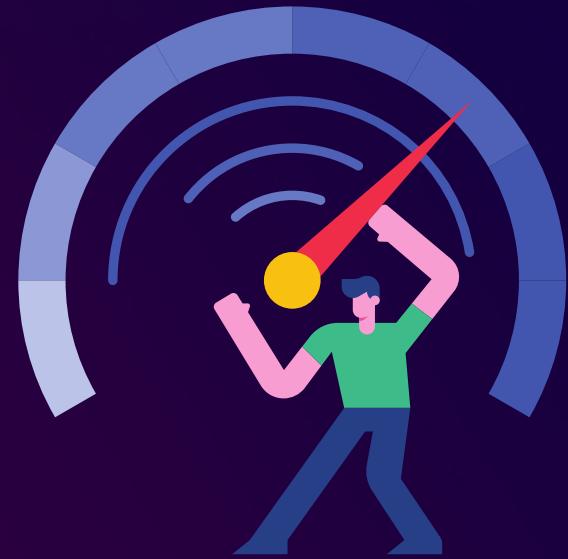


Re-Testing

- Type of Non-Functional Testing .
- Testing If Any Bug Occur
- When Bug is Rejected
- Improve Functionality.



Reason For Re-Testing



**MONITOR SYSTEM
PERFORMANCE**
During Failure



SHOW ERRORS
Details About Error



DATA PROTECTION
Saves Data

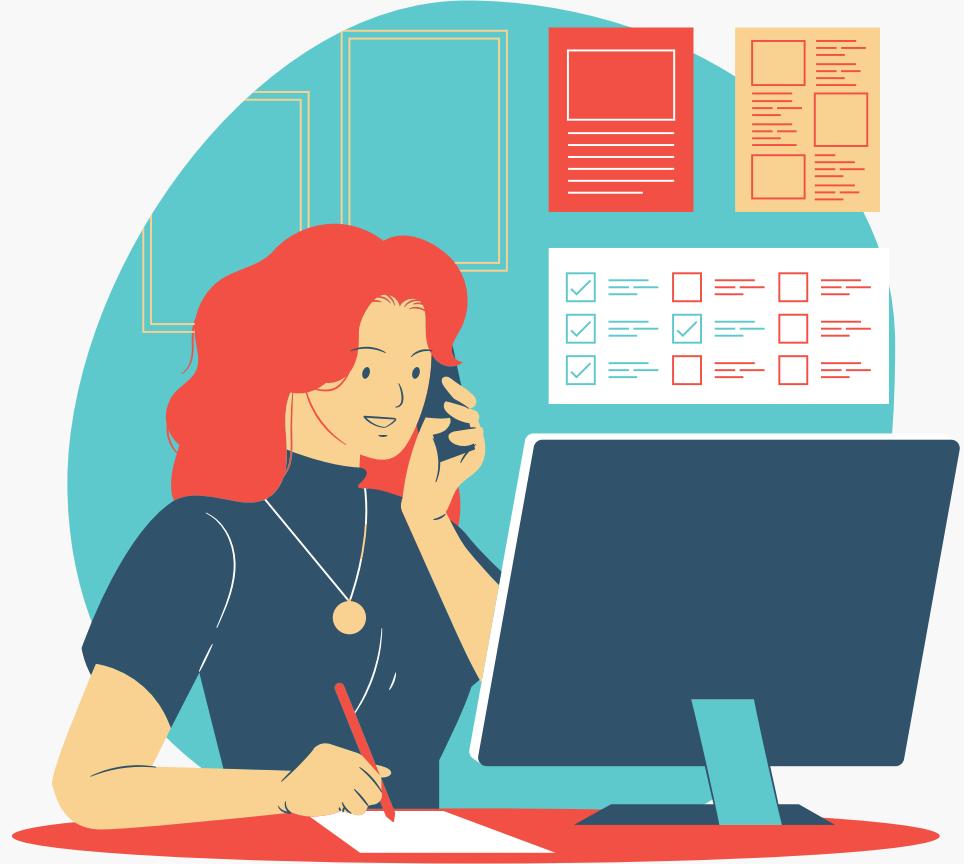


CHECK SECURITY ISSUES
Find Leaks



Advantages of Re-Testing

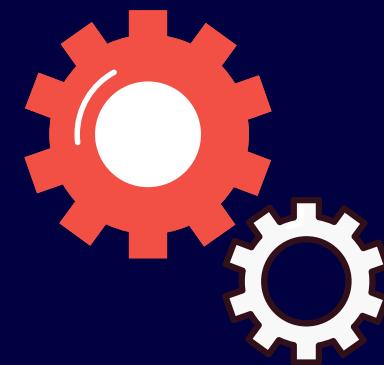
- Complete Bug Fixed
- Enhances Quality
- Focused on Particular Issue
- Not Require Much Extra Knowledge



Disadvantages of Re-Testing



REQUIRE MORE EFFORTS
Manual Process



NEED NEW BUILDS
Heavy Resources Needed



NOT MUCH INTERESTING
Repeated Actions



CANNOT BE COMPUTERIZED
Need Human Involvement

Regression
Testing





Regression Testing

- Type of Functional Testing.
- Testing the Modified Parts of the Code.
- Regression Means "Return of Something"



Procedure



Cases

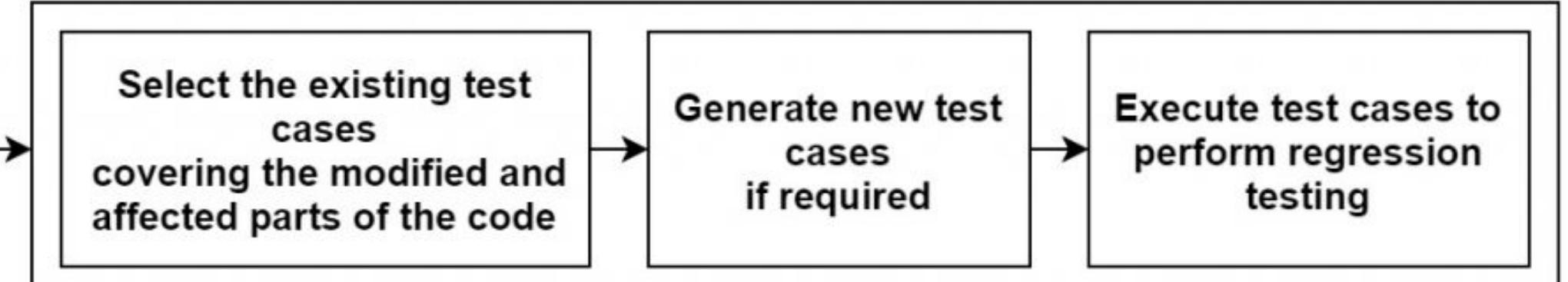
Identification of Bugs

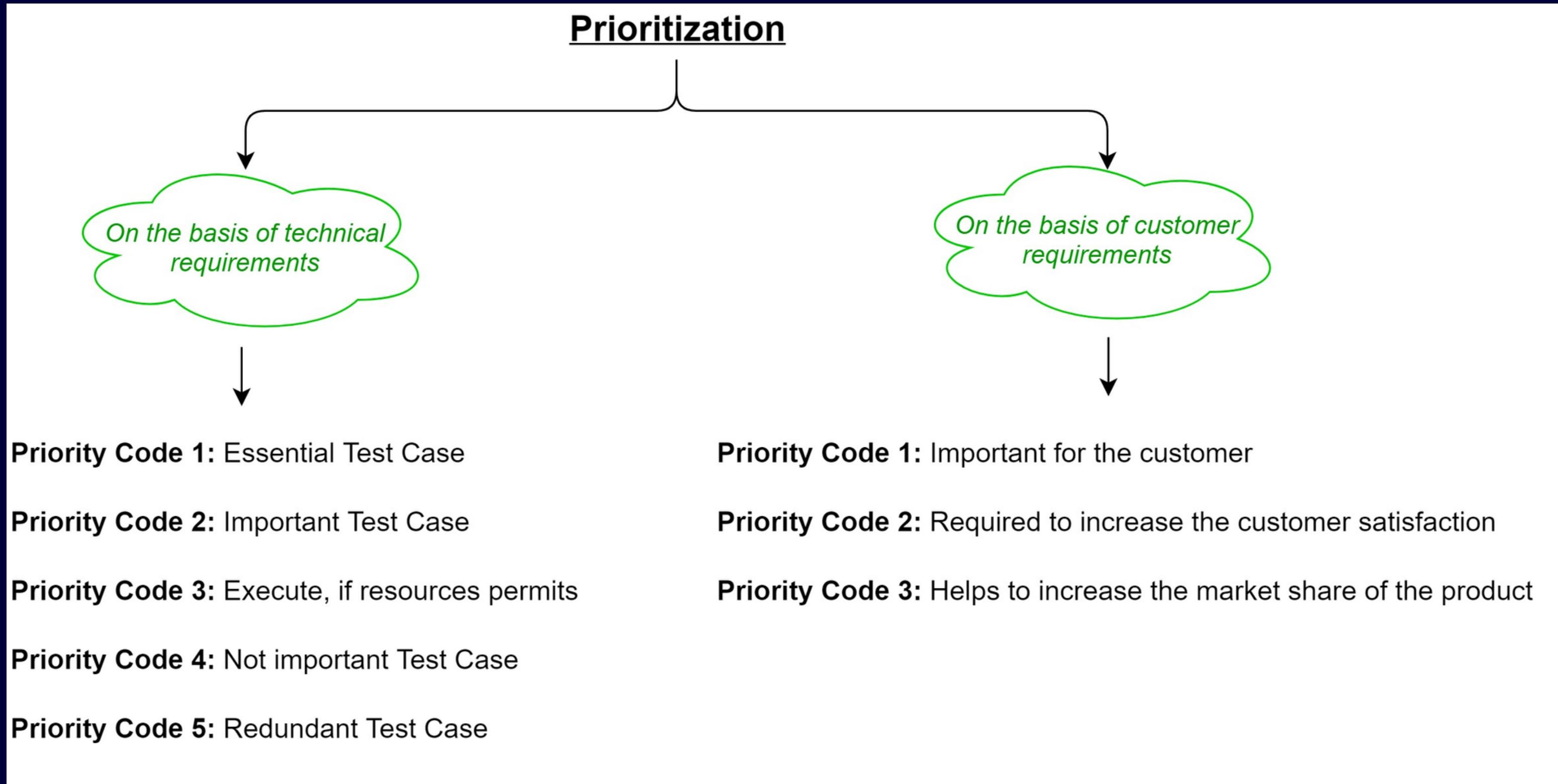


Modification

Modification
of source code
to make it bug free

Selection & Execution of Test Cases







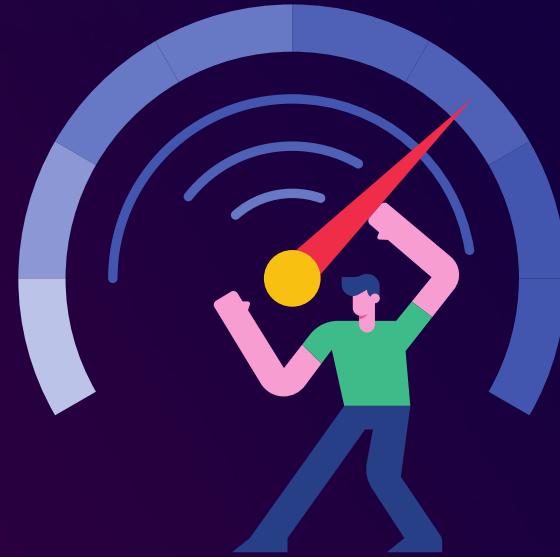
Tools of Regression Testing

- Selenium
- WATIR (Web Application Testing In Ruby)
- QTP (Quick Test Professional)
- RFT (Rational Functional Tester)
- Winrunner
- Silktest



Advantages and Disadvantages of Regression Testing

Thank You >



FINAL CHECK
At Most Case



MAINTAIN CODE QUALITY
Make Quality



TIME CONSUMING
Time Taking



REQUIRE SMALL CHANGES
Cause small Leaks

Thank You

That's all from my side !

EMAIL

avtar20csu241@ncuindia.edu

SOCIAL MEDIA

@theavtarsingh

