

## Manual Testing

### Manual Part 1-

- **Process-**
  1. SDLC process
  2. Waterfall process/ module
  3. V- Module/ process
  4. **Agile process → 90 to 95%**
  
- **Different Testing –**
  1. Sanity Testing/ Smoke Testing
  2. System & functional
  3. Re-testing & regression testing
  4. User acceptance testing

### Manual Part-2

- Real part- Test cases design, review, Test cases execution and defect, etc
- Project Management tool

### Database Testing-

- SQL server → SQL queries

### API Testing-

- SOAP & REST service

### Project –

- **2 Live project**

## **Project –**

- 1. Project team – Application new feature/ modules/ functionality add/implement**
- 2. Support team – Exiting application issue/ Defect/ End user quires/Ticket etc.**

## **Team size-**

- **I have worked in project / main Team**
- **Team size-**
- **Project team size- (16 to 18 peoples)**
  - 1. Delivery manager (DM)(1) - Project against delivery to client**
  - 2. Business analyst (BA)(1) – BA always communication with client for the requirement**
  - 3. Project manager (PM/ Scrum master)(1) – Project work/ task assign and work progress**
  - 4. Designer/ Sol architecture(1) – Application against design (Developer more 10/12 year)**
  - 5. Developers (8 to 10)– Coding against the application**
  - 6. Testers (3 to 4)– Test against Application**
- **Support team size- (5 to 7 peoples)**
  - 1. Project manager/ Support manager(1) – Project tickets assign and work progress**
  - 2. Developers (3 to 4)– Coding against the tickets/ issue**
  - 3. Testers (1 to 2)– Resolved ticket against test**
- **In your company → Project team & support team**
- **Project & Support team decided→ Client**
- **Ex. HSBC project → Project team = Wipro & Support team = Capgamine**
- **Ex. Macdonled project → Project team & Support team = Accenture**

## 1. What is Software

It is set of - Programs, Procedure & services associated with that operating system(Which make it run)

Software is collection of specialized program which takes user input & generate desired output

## 2. Testing

It is Process to check where the software/ Application

Produce Desired output = for Given Input I.e. Finding How Something works

Testing is a process to checking whether the given Software/ Application is generating desired output.

## 3. Software Testing

It is a process to check

Completeness & correctness of software/ Application w.r.to customers' requirement

- Verification & validation of software is called as **testing**.
- **Verification** means whether the software is correctly implemented or not.
- **Validation** means the implemented software meets the customer requirements or not.
- Software testing will help to deliver **reliable application to the customer** and also it will reduce maintenance cost for a project.
- The **objective of Software testing** is to identify defects. When those are resolved the software quality improves.

#### 4. Software Testing Methods

In general every organization uses 2-types of testing's to test an application.

1) Manual Testing

2) Automation Testing.

##### **Manual Testing:**

- It is the process of testing an application manually without using any automation tool.
- In manual testing Test engineer derived & executes the test cases & generate the reports manually.

##### **Automation Testing:**

- Automating human activities with the programming language or any 3rd party tool is known as automation.
- The process of converting manual test cases into test scripts by using some tool is also known as automation.
- Performing testing activities by using some automation tool is known as automation testing.

#### **Software Development Process-**

##### **Application Name- Rockstar Cloth**

Men

Women

Men- Shirt    Pant

Shirt- Brands, Size, Half, Full, Price

Pant- Brands, Size, Type, Price

Women-T-shirt    Sari

T-shirt- Brands, Size, Price

Sari- Brands, Price

**Company-** BA-

**Technical Team** -PM, Solution Team, Dev Team, Test Team

All the team work parallel

**PM-**

Take's assurance of development team & test team about project & also monitor

**Solution Team-**

Explains the way to implementation & duration of project

**Dev Team-**

Complete-Unit Testing/White Box Testing

One way Scenario Hit

**Test Team-**

-Checks, whether the developed application is accurate

-Checks, whether the code is according to the customers requirement or not

**Sanity Testing** -Positive Scenario Hit

-Log in-men's-brand (selection)-half/full-size-quantity-calculation generate-order place

**Smoke Testing**- Finding root cause of defect

-if I ask for pant & it is showing female T-shirt or something else

**Black Box Testing**

-from start to end all steps are check

**Retesting**

-having found the defect, it is sent to the developer- developer fix defect- again send to tester- for retesting

### **Regression Testing**

-having received defect free code after fixing the defect by developer, check that defect & also check the all other modules which are hampered or not due to this new code

### **Sign Off**

### **UAT / Client Testing**

### **Sign Off**

### **Production**

### **Release**

### **End Users**

### **Maintenance**