

# 1. Testing Types

- **Functional Testing:** Verifying features like search, cart, login, etc.
- **UI Testing:** Validating visual elements on the home page and product page.
- **Cross-Browser Testing:** Ensuring functionality across Chrome, Firefox, Edge, Safari.
- **Regression Testing:** Ensuring new code changes do not affect existing functionalities.
- **Parallel Testing:** Running tests simultaneously to reduce execution time.

# 2. Testing Tools

- **Automation Tool:** Selenium WebDriver
- **Framework:** TestNG/JUnit
- **Browser Drivers:** ChromeDriver, GeckoDriver, EdgeDriver, SafariDriver
- **Reporting:** Extent Reports/Allure (Optional)
- **Screenshot Capturing:** Automated on failure

# 3. Entry Criteria

- Test environment is ready.
- Test cases/scripts are written and reviewed.
- Required browsers and drivers are installed.

# 4. Exit Criteria

- All critical and high-priority test cases have passed.
- No critical defects remain open.

- Test results and screenshots are documented.

## **5. Test Data Management**

- Static data for login (valid/invalid credentials).
- Dynamic data for product search terms like "laptop", "mobile".

## **6. Defect Management**

- Log defects in [Your Bug Tracking Tool, e.g., JIRA/Bugzilla].
- Assign severity and priority based on impact.

## **7. Reporting**

- Daily status reports during execution phase.
- Defect reports highlighting open, fixed, and closed bugs.
- Final Test Summary Report after completion.