

## Identify the tools– To do Task (11/08/2025)

**Test Management Tools:** TestRail, Zephyr, PractiTest, TestLodge, TestLink

**Test Automation Tools:** Selenium, Cypress, Playwright, Katalon Studio, TestComplete, Appium

**API Testing Tools:** Postman, REST Assured, SoapUI, ReadyAPI, Karate DSL

**Continuous Deployment (CI/CD) Tools:** Jenkins, GitLab CI/CD, CircleCI, Travis CI, Azure DevOps, GitHub Actions

**Performance Testing Tools:** Apache JMeter, LoadRunner, Gatling, BlazeMeter, NeoLoad

**Security Testing Tools:** Burp Suite, OWASP ZAP, SonarQube, Nessus, Acunetix

**Test Reporting Tools:** Allure, ExtentReports, ReportPortal, TestNG Reports, BrowserStack Test Observability

1. **Task and Project Management -**

2. **Communication and Collaboration – Zoom, Microsoft Teams, Google, Stack**

3. **Time Tracking and Reporting – Harvest, Clockify, Toggl**

4. **Document and File Management – Google Drive, One Drive, Dropbox**

5. **Team Performance and Analytics – 15five, TeamRetro**

6. **Agile and Scrum Management – Jira(Agile Boards), Targetprocess**

### Documentation:

Documenting your testing activities is essential for **maintaining a clear and transparent record**. Keep detailed records of **test cases, test results, bugs, and any important findings**. This documentation will not only help you track progress but also serve as a **valuable reference** for future projects.

**Markdown Editors – Typora, Mark Text**

**Documentation Platforms – Confluence, Notion**

**Static Site Generators - MkDocs**

**Visual Documentation Tools –Lucidchart**

### Performance Monitoring:

Performance monitoring tools are essential for **assessing and maintaining the health of applications, servers, and networks**.

These tools allow teams to **detect performance issues, track resource usage, and analyze the responsiveness of the application** under different conditions (e.g., load, stress).

*They help identify bottlenecks, diagnose slowdowns, and improve overall system performance.*

***Application Performance Monitoring (APM) Tools -***

***Network Performance Monitoring Tools –SolarWinds Network Performance Monitor, Wireshark***

***Infrastructure Monitoring Tools – Zabbix, Prometheus***

***End-User Monitoring (EUM) Tools – Google Analysis***

***Risk Assessment:***

*Test leads should be proactive in identifying potential risks and issues that may impact the testing process. Conduct regular risk assessments and work closely with the project manager and stakeholders to develop contingency plans.*

*By anticipating and addressing potential risks early on, you can minimize project delays and ensure a smooth testing process.*

***IT and Cybersecurity Risk Assessment Tools - RiskWatch, RiskLens, General Risk***

***Management and Assessment Tools – RiskWatch, Logicmanager project and***

***Operational Risk Assessment Tools – Risk Register(Excel/Custom Tools)***

***Compliance and Regulatory Risk Assessment Tools – RiskVision(formely RiskWatch)***