

## **Comprehensive Learning Plan for All Courses (Dec 27, 2025 - Mar 26, 2026)**

Mark '✓' in the "Completed" column once each task is finished.

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### **JIRA (27-Dec-25 → 13-Jan-26)**

Date	Core Topic	Sub-Topics	Task	Completed
27-Dec-25	Fundamentals	Jira products, Agile basics	Create Jira account & explore UI	
28-Dec-25	UI & Navigation	Menus, boards, settings	Navigate boards & menu items	
29-Dec-25	Projects	Scrum vs Kanban, Team vs Company-managed	Create sample Scrum project	
30-Dec-25	Issue Types	Epic, Story, Task, Bug	Create issues of each type	
31-Dec-25	Issues	Create, edit, link, clone, assign	Practice linking issues	
01-Jan-26	Lifecycle	Status, transitions, validators	Track issue lifecycle end-to-end	
02-Jan-26	Fields	System vs custom, required fields	Create custom fields & add to screens	
03-Jan-26	Workflows	Status, transitions, conditions, validators, triggers	Modify workflow & test	
04-Jan-26	Screens	Screen schemes, field configurations	Map screens to issue types	
05-Jan-26	Schemes	Workflow, Field, Permission Schemes	Assign schemes to project	
06-Jan-26	Permissions	Roles & Groups, Global vs Project	Assign roles & test access	
07-Jan-26	Security	Issue security levels	Restrict issue visibility	
08-Jan-26	Agile – Scrum	Sprint planning, backlog grooming	Create and run sprint	
09-Jan-26	Agile – Kanban	WIP limits, continuous flow	Configure Kanban board	

Date	Core Topic	Sub-Topics	Task	Completed
10-Jan-26	Boards	Filters, swimlanes, quick filters	Customize board view	
11-Jan-26	JQL	Operators, keywords, functions, filters	Write 10+ queries	
12-Jan-26	Reports	Velocity, Burndown, Control chart	Generate and analyze reports	
13-Jan-26	Automation	Rules, triggers, scheduled tasks	Create sample automation	

## XRAY (14-Jan-26 → 23-Jan-26)

Date	Core Topic	Sub-Topics	Task	Completed
14-Jan-26	Fundamentals	Xray overview, test types	Enable Xray & explore UI	
15-Jan-26	Test Cases	Manual, Automated, Preconditions	Create sample test cases	
16-Jan-26	Test Plans	Versions, Environments, Scope	Create test plan for a project	
17-Jan-26	Test Executions	Execution statuses, Execution environments	Execute tests & log results	
18-Jan-26	Traceability	Requirement → Test → Defect mapping	Link requirements to test cases	
19-Jan-26	Jira Sync	Issue linking, integration	Map defects & execution	
20-Jan-26	Automation Import	JUnit, TestNG, Cucumber JSON import	Import Selenium results	
21-Jan-26	Coverage	Requirement coverage, Test coverage reports	Generate coverage reports	
22-Jan-26	Reports	Execution, Defects, Overall metrics	Generate & export reports	
23-Jan-26	CI/CD Integration	Jenkins, Bamboo, pipeline triggers	Simulate automated test execution	

## TESTRAIL (24-Jan-26 → 01-Feb-26)

Date	Core Topic	Sub-Topics	Task	Completed
24-Jan-26	Basics	UI, navigation, project creation	Create a TestRail project	
25-Jan-26	Suites	Single vs Multiple suites, organizing tests	Create test suite	
26-Jan-26	Sections	Organizing cases hierarchically	Add sections	
27-Jan-26	Test Cases	Fields, templates, preconditions, expected results	Write 10 test cases	
28-Jan-26	Test Runs	Assigning test cases, execution	Run test cases	
29-Jan-26	Test Plans	Milestones, versioning, scheduling	Create test plan	
30-Jan-26	Reports	Metrics, dashboards	Generate report	
31-Jan-26	Jira Integration	Linking defects	Map Jira defects	
01-Feb-26	Best Practices	QA workflow, naming conventions	Review workflow	

## CONFLUENCE (02-Feb-26 → 09-Feb-26)

Date	Core Topic	Sub-Topics	Task	Completed
02-Feb-26	Basics	Spaces, permissions	Create a space	
03-Feb-26	Pages	Page hierarchy, parent-child	Create pages	
04-Feb-26	Templates	Predefined templates, custom templates	Use a template	
05-Feb-26	Macros	Jira macros, tables, charts	Insert macros	

Date	Core Topic	Sub-Topics	Task	Completed
06-Feb-26	Documentation	Test plans, release notes	Write documentation	
07-Feb-26	Jira Linking	Dynamic linking, live updates	Embed Jira issues	
08-Feb-26	Permissions	View, edit, restrictions	Assign page-level access	
09-Feb-26	Knowledge Base	Organizing knowledge	Publish test knowledge base	

## MAVEN (10-Feb-26 → 17-Feb-26)

Date	Core Topic	Sub-Topics	Task	Completed
10-Feb-26	Basics	Maven goals, commands	Install Maven, run mvn help	
11-Feb-26	Lifecycle	Clean, compile, test, install, package	Run full lifecycle	
12-Feb-26	POM.xml	Dependencies, plugins, properties	Create POM for Selenium project	
13-Feb-26	Dependencies	Scope, versions	Add TestNG & Selenium	
14-Feb-26	Plugins	Surefire, Compiler, Reporting	Configure plugins	
15-Feb-26	Profiles	Environment-specific build	Create profile	
16-Feb-26	Reports	Surefire & surefire-report	Generate test reports	
17-Feb-26	CI Usage	Jenkins integration	Run Maven build via Jenkins	

## GIT (18-Feb-26 → 27-Feb-26)

Date	Core Topic	Sub-Topics	Task	Completed
18-Feb-26	Basics	init, clone	Init & clone repo	
19-Feb-26	Commit	add, commit, message	Commit changes	
20-Feb-26	Branching	create, switch, list	Create branch	
21-Feb-26	Merge	fast-forward, non-fast-forward	Merge branches	
22-Feb-26	Rebase	interactive rebase	Rebase branch	
23-Feb-26	Reset	soft, mixed, hard	Reset commits	
24-Feb-26	Revert	revert commits	Undo commits	
25-Feb-26	Stash	save, apply, drop	Use stash	
26-Feb-26	GitHub	push, pull, fork	Push repo & fork	
27-Feb-26	Conflicts	resolve merge conflicts	Simulate conflict resolution	

## TESTNG (28-Feb-26 → 07-Mar-26)

Date	Core Topic	Sub-Topics	Task	Completed
28-Feb-26	Basics	Introduction, setup	Setup TestNG in IDE	
01-Mar-26	Annotations	@Test, @Before, @After, @BeforeSuite	Write annotated tests	
02-Mar-26	Assertions	Hard, Soft	Validate test results	
03-Mar-26	Groups	Grouping tests, dependencies	Group tests	
04-Mar-26	testng.xml	Suite config, parameters	Create suite XML	
05-Mar-26	DataProvider	Parametrized testing	Add DataProvider	
06-Mar-26	Parallel	ThreadPoolSize, parallel methods	Run parallel tests	
07-Mar-26	Reports	HTML, logs	Generate reports	

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## CUCUMBER (08-Mar-26 → 16-Mar-26)

Date	Core Topic	Sub-Topics	Task	Completed
08-Mar-26	BDD	Principles, Advantages	Learn BDD concepts	
09-Mar-26	Gherkin	Given, When, Then, Scenario	Write feature file	
10-Mar-26	Feature Files	Multiple scenarios	Add scenarios	
11-Mar-26	Steps	Step definitions mapping	Implement steps	
12-Mar-26	Hooks	Before, After, Order	Add hooks	
13-Mar-26	Tags	Smoke, Regression	Tag scenarios	
14-Mar-26	Data Tables	Parameterized data	Use tables in feature	
15-Mar-26	Reports	JSON, HTML, Pretty	Generate reports	
16-Mar-26	Integration	Selenium + TestNG	Integrate with automation	

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## SELENIUM (17-Mar-26 → 26-Mar-26)

Date	Core Topic	Sub-Topics	Task	Completed
17-Mar-26	Basics	Selenium overview, architecture	Setup WebDriver	
18-Mar-26	WebDriver	Launch, close, navigation	Automate browser	
19-Mar-26	Locators	ID, Name, Class, XPath, CSS	Locate elements	
20-Mar-26	Waits	Implicit, Explicit, Fluent	Handle dynamic waits	
21-Mar-26	Actions	Mouse hover, click, drag-drop	Perform actions	
22-Mar-26	Frames	iFrames, switching	Handle frames	
23-Mar-26	Alerts	JS Alerts, Prompts	Handle alerts	
24-Mar-26	JS Executor	Scroll, click, executeScript	Execute JS commands	
25-Mar-26	POM	Page Object Model, PageFactory	Build framework	
26-Mar-26	Grid	Selenium Grid, Parallel execution	Run tests in grid	