Test Automation Framework (TAF)

Improve quality, accelerate delivery, reduce manual effort and cut costs by automating Salesforce testing

ideaHelix Test Automation Framework Key Features

KEY FEATURES

Codeless Test Creation
Author and execute tests using Excel or Google Sheets with no coding required. Business users and QA teams can collaborate using natural, English-like syntax, eliminating technical barriers and simplifying test maintenance.

Dynamic Data Handling
Use timestamps, SQL queries, and variable storage to drive flexible, reusable test logic. Scenario Capture & Replay converts real orders into test cases, making regression creation faster and more accurate.

Hybrid Testing & Domain Support
Automate UI, API, and Apex flows in a single test case. Whether validating CPQ quotes or complex orchestration logic, TAF supports seamless, end-to-end testing across Salesforce Industries and Revenue Cloud domains.

CI/CD Ready Execution
Run tests locally or in the cloud using GitHub Actions or Jenkins. With environment-based configurations, Slack alerts, and Allure reporting, TAF integrates easily into enterprise release pipelines.

KEY BENEFITS

Faster Time to Market

TAF automates repetitive testing tasks, allowing for quicker and more reliable deployments. With streamlined test creation and CI/CD integration, teams can release new features faster and with greater confidence.

Lower Total Cost of Ownership

By leveraging an open-source stack and reducing reliance on expensive commercial tools, TAF significantly cuts both upfront and long-term testing costs. Teams save on licenses, maintenance, and rework, freeing up budget for innovation.

Reduced Manual Testing Effort

Codeless, spreadsheet-based test creation, reduces manual effort by up to 80%, as teams spend less time writing and maintaining scripts. Automated execution and scenario capture reduce the need for repetitive manual validations.

Greater Team Collaboration

TAF empowers business analysts, developers, and QA teams to co-author and review tests using easy-to-understand formats like Excel or Google Sheets. This promotes shared ownership and accelerates feedback loops.

Improved Test Accuracy

Automated tests eliminate common human errors and ensure consistent execution across different environments. AI-driven features like self-healing locators further improve reliability and minimize false failures.

Scalable Across Environments

Whether in DEV, QA, or PROD, TAF adapts to different configurations and personas with minimal setup. Dynamic data handling and reusable logic make it ideal for evolving Salesforce orgs and growing teams.

About ideaHelix

An industry-focused Salesforce consulting partner and tools developer, specializing in Revenue Cloud, Salesforce Industries and emerging Agentforce and AI capabilities to help customers eliminate inefficiencies, refactor workflows, streamline migrations and future-proof investments.