



Ensuring Quality & Stability  
for **SpineLegal** through  
End-to-End QA Services

# CASE STUDY SPINELEGAL

— London

## CLIENT OVERVIEW

SpineLegal is a comprehensive, web-based legal management platform designed for law firms to streamline daily operations - from proposal and matter management to billing, client interactions, and documentation. Based in London, SpineLegal automates case processing, billing, and document workflows, helping legal professionals cut administrative time by up to 60%.

## CHALLENGE

SpineLegal's growing user base and rapid functional enhancements demanded a robust quality assurance framework to ensure product stability, usability, and performance across multiple modules.

### Key challenges included:

- ▶ Validating complex integration flows between modules like Proposal Management, Matter Management, Admin, and Client Portal.
- ▶ Managing frequent build deployments under an Agile sprint model.
- ▶ Performing cross-browser functional and UI validations in a time-constrained release cycle.
- ▶ Ensuring readiness for UAT and production deployment with high stability.

SpineLegal engaged SE-Mentor Solutions to establish a comprehensive QA and testing process covering functional, integration, & regression testing across multiple iterations.

## SE-MENTOR'S QA APPROACH


SE-Mentor Solutions implemented a structured QA lifecycle aligned with IEEE 829 standards for software testing documentation. The QA team followed a systematic and metrics-driven approach encompassing planning, design, execution, and reporting.


## TESTING SCOPE


### TESTING TYPE COVERAGE

<b>Functional Testing</b>	Core modules – Proposal, Matter, Admin, Client Portal
<b>Integration Testing</b>	Cross-module data flow validation
<b>Regression Testing</b>	Post-fix and build validation
<b>Exploratory Testing</b>	UI/UX validation and negative testing
<b>Automation</b>	Partial regression suite for high-risk workflows

## TEST ENVIRONMENT

 **Environment**  
SIT – [sit.spinelegals.com](http://sit.spinelegals.com)

 **Browsers**  
Chrome v120+, Edge Latest

 **Database**  
SQL Server 2019

 **OS**  
Windows 10 / 11 Pro

 **Tools**  
Mantis(Defect Tracking), Excel  
(TC Management), RTM(Traceability)

# TESTING PROCESS AND GOVERNANCE

## Requirement Analysis & RTM Preparation

Mapped every functional requirement to corresponding test cases ensuring 100% traceability.

## Test Design & Review

Designed > 200 manual and automated test cases following IEEE 829 format, covering positive, negative and boundary scenarios.

## Execution & Defect Management

- ▶ Daily execution tracking via Mantis Defect Tracker.
- ▶ Defects classified as Critical, Major, Minor with clear resolution status.
- ▶ Example: Critical Defects – 1 (Workflow Management View), resolved within 24 hours.

## Reporting & Communication

- ▶ Daily stand-ups with the development team for defect triage.
- ▶ Iteration test summary shared with PM and client for sign-off.
- ▶ Quantitative KPIs tracked – Defect Density (2.5/day), Pass Rate (91.6%), Critical Defect Ratio (20%).

## Regression Automation (Partial Suite)

Automation scripts covered 60% of impacted functional areas ensuring faster revalidation after fixes.



## KEY ACHIEVEMENTS

**91.6%**

**Overall Pass Rate**  
achieved across critical modules

**90%**

Execution of **High-Priority Scenarios** within defined timeline.

**>95%**

**Defect Closure Rate**  
before SIT sign-off.

**ZERO**

**Critical Defects**  
open at UAT handover.



Comprehensive

**Traceability Matrix**  
ensuring no requirement was missed.



Improved

**Team Efficiency**  
through Agile collaboration and daily QA-Dev sync-ups.

## RESULTS AND BUSINESS BENEFITS

	BEFORE QA ENGAGEMENT	AFTER SE-MENTOR QA IMPLEMENTATION
<b>Regression Testing</b>	~60% manual	98% functional + 95% integration
<b>Defect Leakage</b>	High during UAT	Reduced by > 70%
<b>Test Efficiency</b>	Ad hoc manual testing	Structured QA framework with automation
<b>Product Stability</b>	Frequent post-release	Stable build, UAT-ready within schedule
<b>Collaboration</b>	Limited QA-Dev	Daily sync improving defect turnaround by 50%

Through disciplined QA processes, comprehensive coverage, and measurable results, SE-Mentor Solutions enabled SpineLegal to achieve a stable, high-quality build ready for enterprise deployment.

By aligning testing to Agile sprints, enforcing traceability, and integrating automation, Se-Mentor reduced test cycle time, minimized defect leakage, and ensured consistent release quality — strengthening client trust and enabling faster go-to-market.

SE-Mentor's QA team demonstrated exceptional ownership and process maturity. Their structured testing and clear reporting gave us complete confidence in the release readiness of our SpineLegal platform."



**S Lal**  
CTO, SpineLegal

**SPINELEGAL**