

PROJECT SPECS

PROJECT TYPE: Manual Testing & Automation Testing

TECHNOLOGIES: Cypress, JavaScript, Visual Studio Code

SERVICES PROVIDED:

- Maintenance and Enhancement of Automated Test Suite
- API and Web Service Testing
- Regression Test Automation
- Automated Test Scripting
- Test Automation Framework Development
- Cross-Browser and Cross-Platform Testing
- User Acceptance Testing (UAT)
- Load and Performance Testing Automation

TEAM:

- Project Lead
- Test Automation Engineer
- Manual Tester

ENGAGEMENT MODEL: Managed service

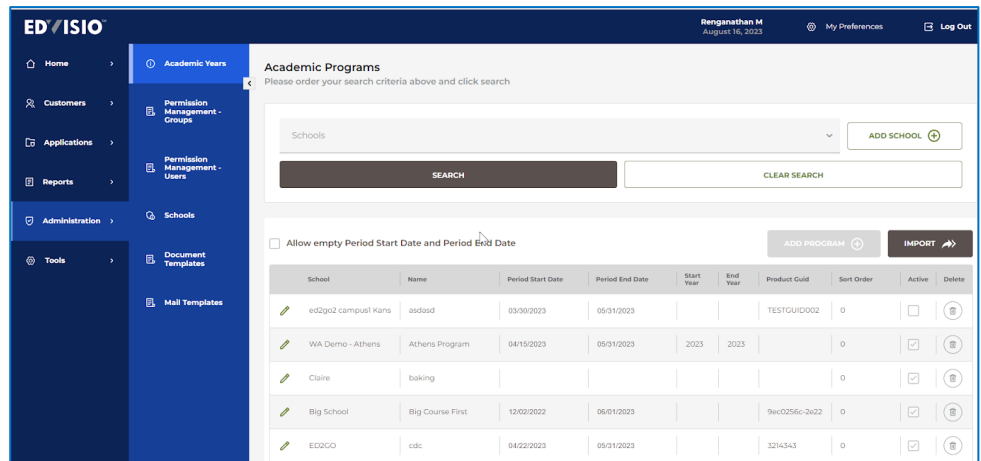
DURATION: 6+ months

Test Automation Framework for User Interface

Client: Ediviso

Industry: Financial Services

Website: <https://edvisio.org/>



OVERVIEW

EDVISIO specializes in tailoring a unique tuition credit program to match your student population, streamlining program management processes. Launch a seamlessly customized online application to cater to your specific needs. Assure accurate document delivery and compliance. Benefit from expert consultations for designing optimal program terms. EDVISIO's expertise encompasses Education Finance, Student Loans, Private Student Loans, and Tuition Payment Plans

BUSINESS CHALLENGE

Our client faces the task of testing their User Interface (UI) across three portals at once. This challenge prompts the need for an automated solution and manual testing that can comprehensively test the User Interface (UI) across all three portals concurrently, thereby reducing regression testing time and ensuring flawless performance.

The challenge lies in efficiently verifying the functionality of these portals while managing regression testing within tight integration timelines.

OBJECTIVE

To develop a test automation framework to achieve seamless verification and improved quality across the portals.

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SOLUTION

The team at Riverstone has successfully devised an automation framework based on Cypress for simultaneous testing of the User Interface (UI), ensuring synchronization across EDVISIO's trio of portals. Additionally, an automation test suite was meticulously crafted to effectively reduce regression testing duration, thus optimizing the efficiency of their continuous integration operations within the Jenkins environment.

DISTINCTIVE FEATURES

- The automation flow is meticulously tailored to guarantee synchronized data across various portals.
- Constructed a DevOps pipeline using Jenkins, encompassing essential artefacts for seamless Cypress execution. This integration optimizes resource utilization and time efficiency.
- A specialized Jenkins pipeline is established to oversee and validate the synchronization process across all portals rigorously.
- As part of our daily operations, we furnish a comprehensive report, encompassing scenario-specific details.

KEY ACHIEVEMENTS

- Efficient Data Synchronization
- Optimized DevOps Workflow
- Thorough Portal Verification
- Comprehensive Reporting