



Comprehensive testing solution improves effectiveness by increasing test coverage and enhancing existing test cases

Client

Our client is a college textbook publishing company that is helping lower higher education costs while increasing access and personalizing learning for students and faculty worldwide.

Challenge

The client wanted a technology partner to take complete charge of the quality analysis and enhance the existing testing test cases for their applications. These applications run on multiple e-devices and the client wanted to test the application on these devices. Their requirements include:

- Setting up a comprehensive QA process
- Supporting product testing across multiple platforms and multiple browsers
- Improving testing process with reduced cost
- Manual testing
- Automation testing using Selenium
- Maintaining test script using CI server

Marlabs Solution

The client chose Marlabs as their technology partner. We identified and analyzed the issues and developed a suitable test strategy using Ruby on Rails, Drupal, MySQL, and Selenium. Marlabs solution involved the following:

- Complete ownership of the entire QA
- Create automated scripts using Selenium with data driven framework, which can be reused during regression testing
- Detailed Regression testing to ensured prior releases defects did not re-appear in newer releases

- Set up CI server (Hudson) to run automated tests on scheduled time
- Improve the QA process according to client's needs.
- Help the editorial team to test the application on e-devices.

Technologies

- Ruby on Rails
- Drupal
- MySQL
- Selenium

Benefits

- Improved testing effectiveness by increasing test coverage/enhancing existing test cases
- Cost effective delivery with reduced defect leakage to production

Marlabs helps drive digital agility for our clients. We deliver innovative business solutions using digital technologies such as cloud, mobile, analytics, Internet of Things and social. With a dedicated team of over 2,100 associates, a network of delivery centers in USA, Canada, Mexico and India, and strong partnerships with industry leaders, Marlabs offers a wide range of IT services across industries. Through our emphasis on quality driven by CMMi, PCMM, ISO 9001-2000, ISO 27001 and SSAE 16 Type II best practices and a customer-centric client engagement model, Marlabs has achieved a dependable track record of meeting high standards of excellence in every customer engagement. This has resulted in several awards and recognitions, including being consistently ranked in the Deloitte Technology Fast 50 and Fast 500 programs. Marlabs is headquartered in New Jersey, United States.

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