

Leading Healthcare Company

CLIENT

- Leading healthcare company serving more than 87,000 patients and plan members, mostly seniors who are Medicare-eligible.
- Our client's EMR software is a system and method to review and monitor patients' medical records through the comprehensive review of health-related data from all accessible resources.
- Systematically analyzes and reports health-related data in order to identify health trends, risks, opportunities for development and improvement, and to further research.

CHALLENGES

- There is no automation id set for all controls.
- Validation of Objects built under the Silverlight Fly out menu control.
- Image comparison on patient health records.
- Validation of Silverlight Grid and Scroll controls
- Validation of Silverlight Child windows and Popups.

TECHNOLOGY

- Windows 2008 R2 Server Enterprise Edition
- Silverlight 4
- SQL 2005
- Telerik Test Studio

PROBLEM STATEMENT

The EMR application was constantly growing and following are the drawbacks

- Ample of manual test cases
- Regression Testing takes much time due to manual testing
- Cost becomes higher and higher for each testing cycle.

HOW WE OVERCAME CHALLENGES

- Identification of Grid controls dynamically with the helper class using C# code
- Automation id has been set to identify the respective control
- New elements could be added easily to the object repository using Element Explorer

RESULTS/BENEFITS

- Higher Automation coverage and minimized Manual efforts
- Achieved 83 % of the Regression test automated.
- Reduced number of Resources by 40 % and execution time by 75 %,
- Automation Effort ROI by 80 % and COST ROI by approx. \$300K.
- Improved Execution productivity by 140 %
- Test scripts are executed automatically using Telerik Scheduler server based on the scheduled time w/o Manual intervention
- Business users and product manager was able to run the scripts,

SOLUTION

- Designed Developed Automation script using Telerik Test studio which supported Silverlight 4 compared to other tools
- Chosen Hybrid Automation framework for ease of use and maintenance of scripts
- Test are scheduled using Telerik scheduler and can be executed round the clock
- Results are stored in Spreadsheet and shared to respective stakeholders via email automatically at the end of the execution