

# Rich UI Test Automation for Global Telecom Equipment Manufacturer

## BUSINESS REQUIREMENTS



UI Test Automation for Dashboard App built with UI components such as HighCharts, Google Maps and other JavaScript libraries



Performance oriented flexible architecture to support Oracle and Hadoop in future



Modular Framework to support continuous integration

## OUR SOLUTIONS



Deployment of Happiest Minds IP: Selenium+Test Framework - highly modular, flexible and performance oriented framework



Addressed rich UI automation challenges by using CSS, SVG location techniques and advanced action chaining with WebDriver



Usage of thin footprint SSH Clients and String tokenizers to filter data from Catalina logs and JDBC

## BUSINESS IMPACT



Saved 84% of testing effort per sprint; resulting in payback period of less than 4 sprints

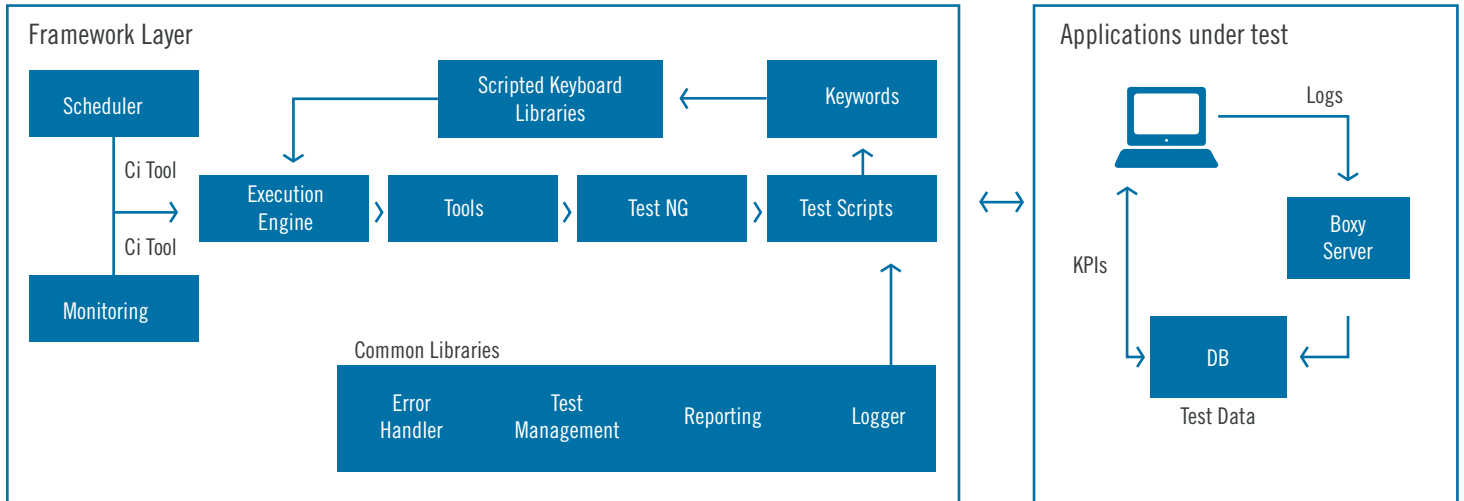


Achieved the Business Unit Goal for Automation percentage coverage



Simple yet powerful integration with other tools, and part of Continuous Integration process

### ARCHITECTURE/ INTERFACE DIAGRAM



### Feature Set

Connectors	Tools	Common Libraries	Reports	Scheduler & Monitor
<ul style="list-style-type: none"> <li>• Test Management Tool</li> </ul>	<ul style="list-style-type: none"> <li>• Selenium 2</li> <li>• Test NG</li> <li>• Log4j</li> <li>• Autolt</li> <li>• ANT/Maven</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable Components</li> <li>• Test Sequencer</li> <li>• Execution Handlers</li> <li>• Browser Handlers</li> <li>• Test Data Management</li> </ul>	<ul style="list-style-type: none"> <li>• Keyword Management</li> <li>• Logging and Error handler</li> <li>• Log and DB Handlers</li> <li>• KPI test libraries</li> </ul>	<ul style="list-style-type: none"> <li>• HTML Report</li> <li>• Jenkins</li> </ul>

### About Happiest Minds Technologies:

Happiest Minds, the Mindful IT Company, applies agile methodologies to enable **digital transformation** for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, **AI & Cognitive Computing**, Internet of Things, Cloud, Security, **SDN-NFV**, RPA, Blockchain, etc. Positioned as "Born Digital . Born Agile", our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India; Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.

To know more about our offerings. Please write to us at [business@happiestminds.com](mailto:business@happiestminds.com)