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The Mindful IT Company
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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
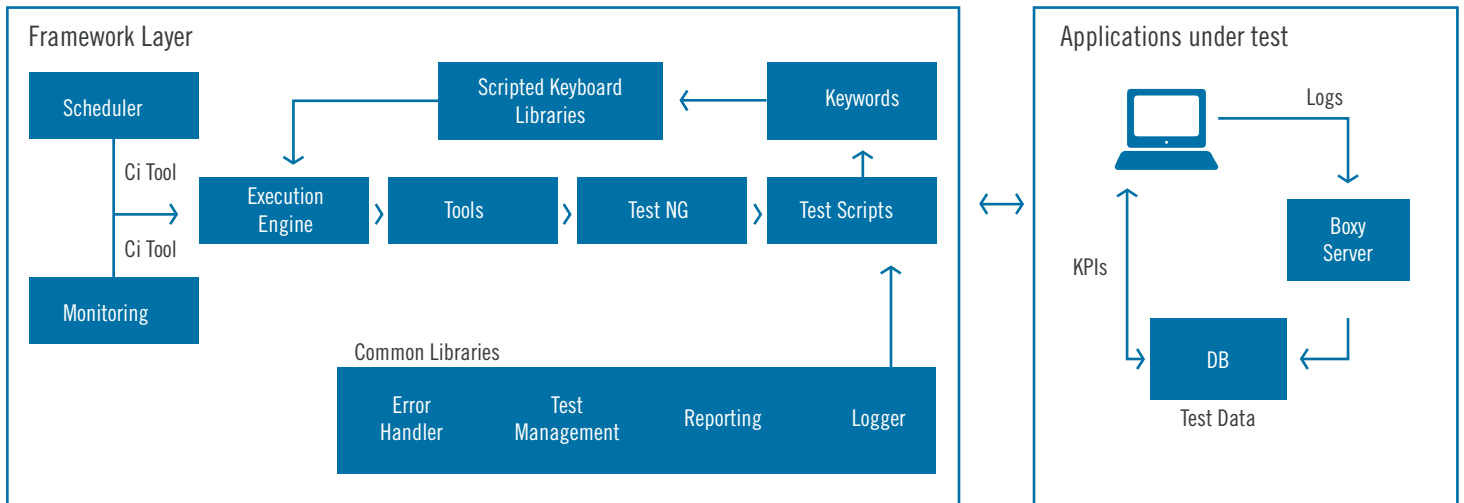
Achieved the Business Unit Goal for Automation percentage coverage

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

ARCHITECTURE/ INTERFACE DIAGRAM

Framework Layer

- Scheduler
- Ci Tool
- Ci Tool
- Monitoring
- Scripted Keyboard Libraries
- Keywords
- Execution Engine
- Tools
- Test NG
- Test Scripts

Common Libraries
- Error Handler
- Test Management
- Reporting
- Logger

Applications under test
- Logs
- Boxy Server
- KPIs
- DB
- Test Data

Feature Set

Connectors	Tools	Common Libraries		Reports	Scheduler& Monitor
· Test Management Tool	· Selenium 2 · Test NG · Log4j · AutoIt · ANT/Maven	· Reusable Components · Test Sequencer · Execution Handlers · Browser Handlers · Test Data Management	· Keyword Management · Logging and Error handler · Log and DB Handlers · KPI test libraries	· HTML Report	· Jenkins

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About Us

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.

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