

Sprint Report III

Team Overview

Name

Silver Redux

Members

Dean Laganieri, Trevor Mahoney, Teresa Worner

Project Title

APMAX Test Suite and Set-Top Box Regression Testing Framework

Company

Innovative Systems, LLC

Sprint Report

Work for this sprint included:

- Emulator Client
 - Adding the vPhone Launcher to the Client
 - Client now calls the vPhone Launcher Service
 - Added ability to add new vPhone Launchers to the DB
 - Added ability to select vPhone Launchers for a test in the *Setup Test* page
 - Added ability to set user counts (number of phones to launch) in the *Test Run Wizard*
 - Implemented Graphs in *Test History* page
 - Added graphs for vSTB Stats
 - Added graphs for vPhone Stats
 - Features
 - Can Toggle Each Line's Visibility
 - Ability to change which measures are being graphed
 - Preferences
 - Testing
 - Graphs were tested for performance against datasets with > 10,000 data points
 - APMAX Performance Statistics
 - Now fully integrated with client
 - Fixed a major thread/memory usage issue (Found after testing)
 - Bug Fixes
 - Fixed various bugs with the previously implemented Run Test wizard
 - Fixed Crash when adding an Emulator Controller or vPhone Launcher without first selecting a Server
 - Converted target framework from .NET 4 to .NET 4.5, and removed dependencies with the Async CTP library.
- Team Upgrades
 - Upgraded Alex and Dean's machines from Vista to Windows 7
 - Upgraded all instances of Visual Studio from 2010 to 2012
 - Made the following Visual Studio Solutions compatible with VS 2012:
 - EmulatorController
 - SmartphoneLauncher (vPhoneLauncher)
 - APMAXStats

Work that is carried over into sprint 4 (or 3.5) is as follows:

Phase 1: (Most of these tasks will be taken over by Alex Grebin)

- Investigate some slow database calls in the Emulator Client
- Add test summary to test history page
- Implement a way for comparing test runs
- Finalize End-User Documentation (Tester, Developer)
- Testing the Emulator Client (Including writing test cases)
- Convert Test / TestRun ComboBox into LookupEdit

Phase 2:

- Finalize Design and Planning
 - Database considerations for Whole Home Group Testing
 - UI Prototypes for Whole Home Group Testing
 - Test ability to send commands directly to STBs
 - Test Screenshot Feasibility (Started but not finished)
- Begin Implementation