

Appendix A

Project Plan

October 4, 2012

Team Silver Redux

APMAX Test Suite & Set-Top Box Regression Testing Framework

For Innovative Systems, LLC

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Innovative
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Introduction

Project Overview

Phase 1

This project will encompass finalizing a set of features required to deliver the core test suite to be used by QA staff in Mitchell.

Phase 2

The vast majority of the project will encompass building a complete STB (Set-top Box) regression testing framework including user-intuitive test setup (including layered test builder), image processing comparison logic (including ignore blocks), multiple screen resolution comparison, and complete regression test pass, fail, and comparison reporting.

Deliverables

Phase 1

- Software to Mitchell
- End-User Documentation
- Updated APMAX Test Suite document
- Requirements Document for Phase 2

Phase 2

- Mission Statement
- Project Design Document
- Progress Reports
- Industrial Experience Report
- Design Fair Materials
- Code and required libraries/binaries

Evolution of the Project Timeline

The timeline contained in this document will be modified, appended to, or removed as stated within this section. While this project may continue internally at Innovative Systems, LLC, beyond the scope of the 2012-2013 Senior Design cycle, the members of the Senior Design Team are not required to continue work on the project past the date of May 3rd, 2013, unless arranged outside of the Senior Design Project.

These sections will be updated and evaluated as sprints are completed and new sprints begin. Any necessary updates, modifications, or additions to the schedule will be made by the Senior Design Team with the approval of Brian Butterfield.

Timeline

Sprint 1: September 19, 2012 – October 3, 2012

- Documents
 - o Started Design Document
 - o Software Contract
 - o Mission Statement
 - o Project Timeline
- Development (Phase 1)
 - o Melded Testing Controls with the GUI
 - o Implemented New Mobile Access GUIDs
 - o Implemented *CurrentlyWatching* Command
 - o Started Migration of Smartphone Emulator (Loadtest) to Emulator Controller
 - o Started converting GUI Controls to the DevExpress Equivalents
 - o Started design of APMAX Performance Stats inclusion into Test Suite
- Environment Setup
 - o Setup Trevor's workstation with Windows 7 and Microsoft Visual Studio 2010 with DevExpress

Sprint 2: October 10, 2012 – October 31, 2012

- Documents
- Development
- Environment Setup
 - o Setup Dean's workstation with Windows 7
 - o Setup all workstations with Microsoft Visual Studio 2012 with DevExpress

Sprint 3: November 7, 2012 – December 5, 2012

- Documents
- Development

Sprint 4: January 16, 2013 – February 6, 2013

- Documents
- Development

Sprint 5: February 13, 2013 – March 13, 2013

- Documents

- Development

Sprint 6: March 20, 2013 – April 10, 2013

- Documents
- Development

Design Fair: April 16, 2013

- Present Project

Senior Design Class Deadline: April 25, 2013

- Deliverables for the Senior Design class must be completed by this date