

STB Regression Testing Framework

TEAM SILVER REDUX

DEAN LAGANIERE
TREVOR MAHONEY
TERESA WORNER

Overview

Phase 1

- APMAX Test Suite

Phase 2

- Set-Top Box Regression Testing Framework
- Whole Home Group Testing

Sprint 2 (10/10 – 10/31)

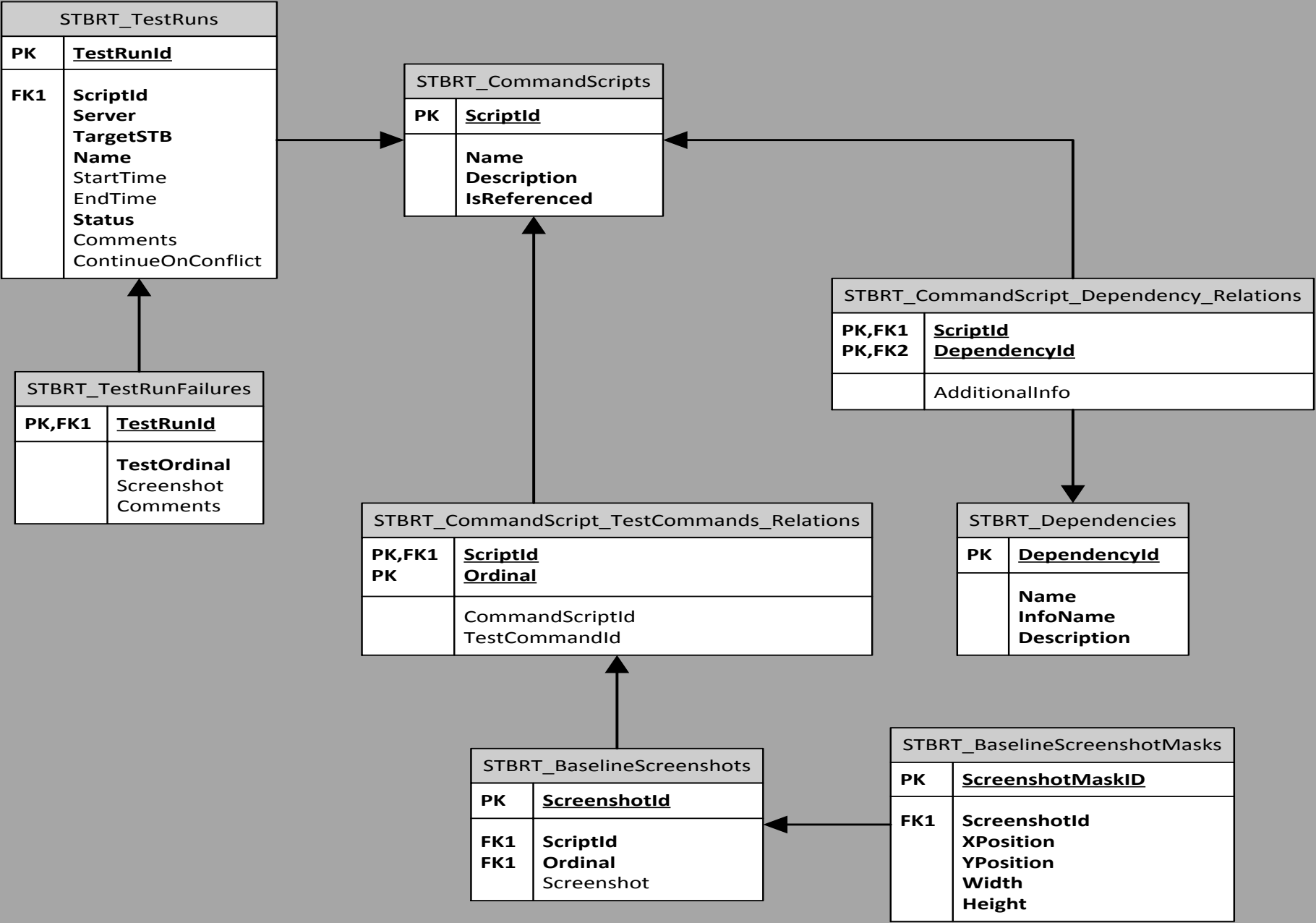
- ▶ Main Goal – Phase 1
 - ▶ vPhone Launchers
 - ▶ Performance Statistics
 - ▶ Test Run Wizard
 - ▶ Fixing UI Issues

Sprint 3 (11/7 – 12/5)

- ▶ Phase 1 (Finishing up)
 - Add vPhone Launcher to Client
 - Add Performance Stats to Client
 - Add Graphs to Test History
- ▶ Phase 2
 - UI Prototypes
 - Sending Commands Directly to a STB
 - Screenshot Feasibility
- ▶ Team Upgrades

Phase 2 Planning

- ▶ Whole Home Group vs. Single STB
- ▶ Send Messages to STBs
- ▶ Screenshots
- ▶ Layered Test Setup
- ▶ Test Dependencies





Add Delay (Milliseconds)

Add to Commands

Existing Scripts

- Script 1
- Script 2

Add to Commands

Main Menu

- My TV
- My Recordings
- My Movies
- My Phone
- My Apps
- My Settings

My Apps

Games

What's Hot

Signal Unavailable

The video signal is unavailable.

Refresh

Rerun Commands

Create Baseline

Dependencies

Selected Existing Script

New Script

Add/Remove

No Stream

Add Remove

Script New Script

Name

Commands
2
[Delay 2000]
Menu
Down Arrow
Down Arrow
Down Arrow
Down Arrow
Right Arrow
[Screenshot]

Save Script

Wed, Nov 28 02:

Click and drag to mark regions to ignore in screenshot comparisons.

Wed, Nov 28 02:02 PM

HD

PG

Reba advises Van to treat Cheyenne as an equal in the family budget, which prompts him to give her an allowance. (2006)

02:00 pm

02:30 pm

Wed Nov 28	02:00 PM	02:30 PM	03:00 PM	03:30 PM	
4: ABCFHD	Reba	Reba	Home Alone: The Holiday Heist		
5: ACMAX	Mar for	The Crush			Fear and Loathing
6: AMC	CSI: Miami		CSI: Miami		
7: APL	The Haunted		Monsters Inside Me		

Search

Favorites

Save

Cancel

Goals Met

Phase 1

- ▶ UI Redesign
- ▶ Migration of vPhone Emulator
- ▶ APMAX Performance Statistics

Phase 2

- ▶ Started Planning
- ▶ Designed Layered Test and Screenshot Setup

Setbacks

- ▶ Phase 1
 - ▶ Took Much Longer Than Expected
 - ▶ Affected Ability to Start Phase 2
- ▶ Phase 2
 - ▶ Screen Capture Resolution
 - ▶ Setting Guide DB in APMAX
 - ▶ Image Processing Experience

Current Goals

Phase 1

- ▶ Finish Emulator Client
- ▶ Deliver to Mitchell

Phase 2

- ▶ Finish Design (Whole Home Group Setup)
- ▶ Start Implementation

Questions