# MICHIGAN STATE UNIVERSITY

# Alpha Presentation Australis-Styled Widgets for Firefox

The Capstone Experience

#### Team Mozilla

Dan Poggi Eric Proper Eric Slenk David Thorpe

Department of Computer Science and Engineering
Michigan State University

Fall 2013



#### **Project Overview**

- Create four australis-styled widgets
  - Bugzilla
  - Music player for local files
  - Spartan sports
  - Weather
- Widget-manager

## System Architecture - Firefox

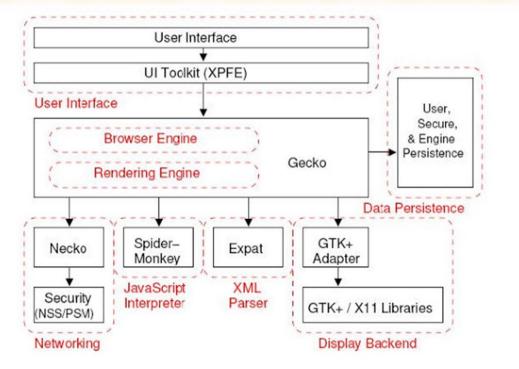
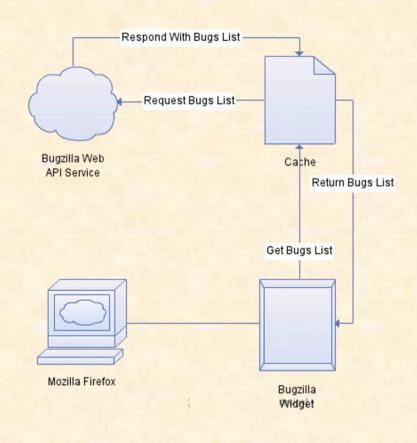
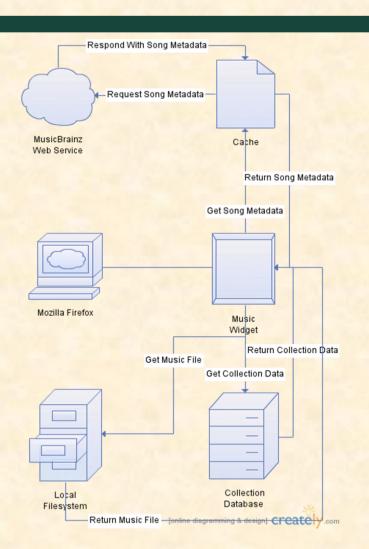


Figure 1: Reference Architecture of Mozilla Browser

## System Architecture - Bugzilla

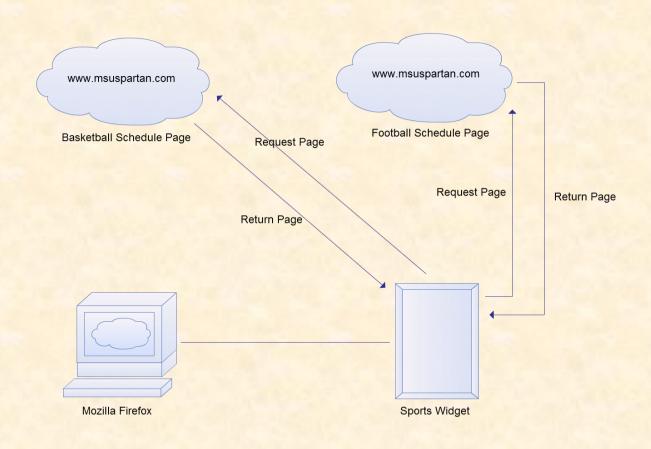


#### System Architecture - Music

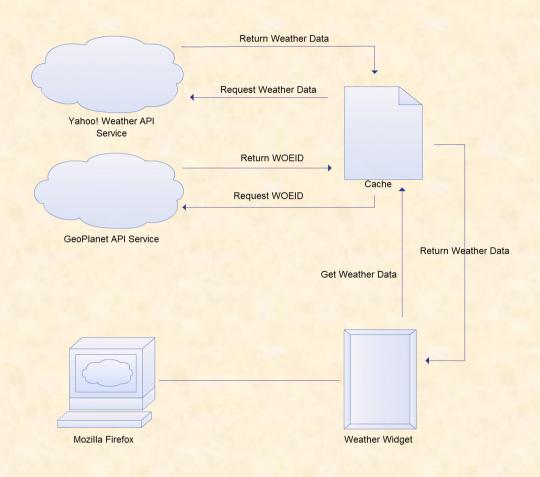


Property	Туре	Description
File	String	Path to the song's file on the user's local file system.
Title	String	The name of the song.
Artist	String	The name of the artist who produced the song.
Album Artist	String	The name of the artist who produced the album.
Album	String	The name of the album on which this song appears.
Genre	String	The genre of the song.
Composer	String	The name of the composer(s) of the song.
Track	Number	The position of the song in the album.

# System Architecture - Sports



# System Architecture - Weather

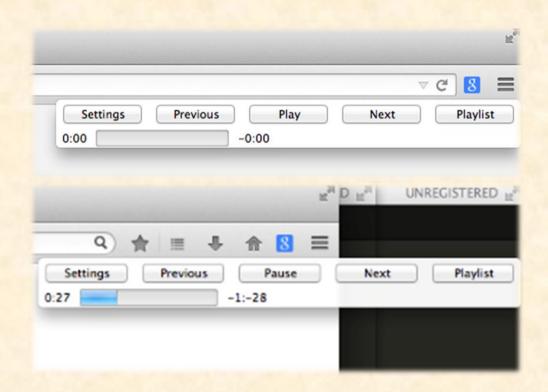


## Bugzilla Interface

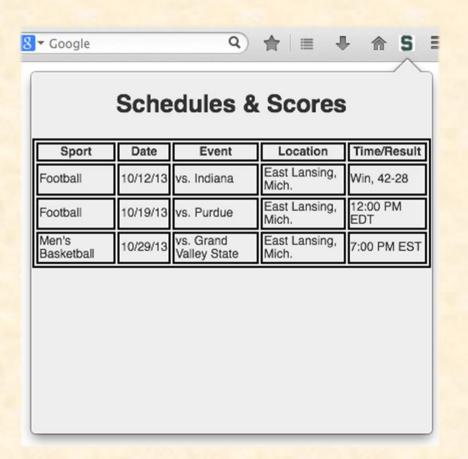


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To Review
15 To Check In
25 To Nag
583890 - When the full page title is not shown remove redundant text in tabs
874198 - Remove "pluginsPage" from getPlugininfo because it is unused
742441 - Cannot drag URL from location bar to desktop (create shortcut)
877789 - Vbox's with max-height don't properly constrain overflowed children
897194 - Markup from the wrong tab is showing up in the Inspector
914138 - Australis: CustomizableUI API calls will produce unpredictable/wrong results if either/both of the nodes they touch are in overflowable toolbar
449358 - Video/Audio UI Controls not functioning when JavaScript is disabled
896291 - "Close other tabs" should show the confirmation dialog if the number of tabs is greater than browser.sessionstore.max_tabs_undo
876875 - dataTransfer.mozCursor should accept "-moz-grabbing"
440414 - Make Click-to-Play UI readable on more backgrounds
700363 - Forward button bleeding through on hover of back button (Conditional forward button)
798249 - Changing URL, locations while a page is loading temporarily reverts the URL
754344 - In content preferences tabs should mimic add-ons type
899867 - Avoid uninterruptible reflow in tabbrowser's resize handler
897268 - Replace crappy images from bug 855805
656238 - Right Click Tab, 'bookmark all tabs' and 'reload all tabs' Too Close Together
888572 - Recently Closed Tabs / Recently Closed Windows menus inaccessible from the panel menu
924933 - Follow-up to fix the separator styling for the zoom controls
704326 - Standalone audio files should have different style so they don't look awkward
819963 - Split up mochitest-bc on desktop into two chunks
920616 - SpecialPowers.swapFactoryRegistration incorrectly uses the 'real' CID when swapping out a factory
729111 - Centered play video button is not re-enabled after video is resized (large)
880115 - Consider renaming customizableui-anchor attributes to something less verbose
887951 - Update panel menu button toolitp
864425 - Give toolbar-menubar, TabsToolbar and PersonalToolbar customization targets.
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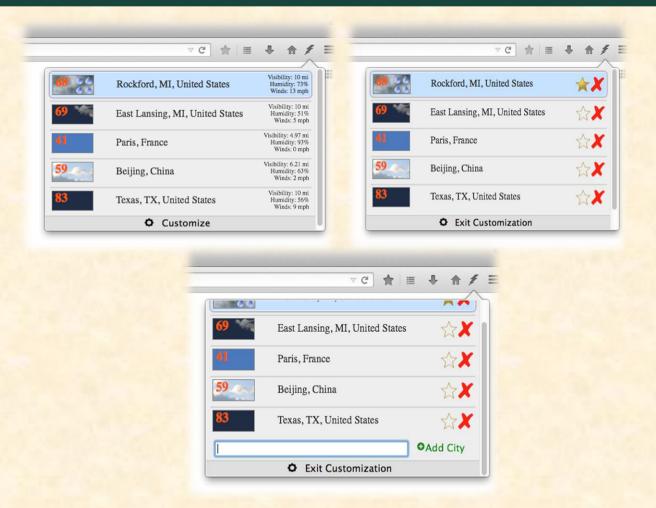
#### Music Interface



#### Sports Interface



#### Weather Interface



#### What's left to do?

- Modify widgets to use Widget-manager
- Widget icons and live icon support
- Localization
- Automated testing of widgets
- Documentation