Beta Presentation
Enhanced Program Guides for Mobile Devices

The Capstone Experience

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Fall 2010
Project Overview

• Provide Additional Television Content
  ▪ Extend brand names beyond living room
  ▪ Enhance user experience

• Manage Secondary Content Lifecycle
  ▪ Create new content and new types of content
  ▪ Associate content to specific times within a show

• Mobile User Application
  ▪ Non-intrusive
  ▪ User friendly
  ▪ Multiple platforms
  ▪ For use with live or recorded content
System Architecture

Secondary Content Authoring Tool
(Google Web Toolkit)

mySQL

iBatis

RESTful Web Services

Content Assets

Mobile Client
(Android or iOS)

Server
(Cable Headend)

Set-Top Box

Television
Integrated Existing EPG Service

LineupMapStation IL12660:X/10142

station_id: 10142
lineup_id: IL12660:X
call_sign: CNN
station_name: Cable News Network
affiliate: Satellite
icon_src_uri: 
icon_width: 
icon_height: 
channel_id: 36
channel_minor: 
virtual_channel_num: 
multicast: 
frequency: 
pid: 
valid_start_date: 2000-11-02
valid_end_date: 
lineupmap_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142/lineupmap
lineupmap_station_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142
lineup_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142
on_air_ranges_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142/onairranges
assets_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142/assets/date
epg_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142/epg/date
program_uri: jWebServices/tod/v1/lineup/IL12660:X/station/10142/program/date

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Content Authoring Tool
Mobile Device Application
Mobile Device Application
What’s left to do?

• Content Authoring Tool UI
• Filter content based on time and type in mobile application
• Make mobile application UI more visually appealing
• Registration of mobile client to a Set-Top Box
• Merging of Templates and Content