Radio Television Search Engine
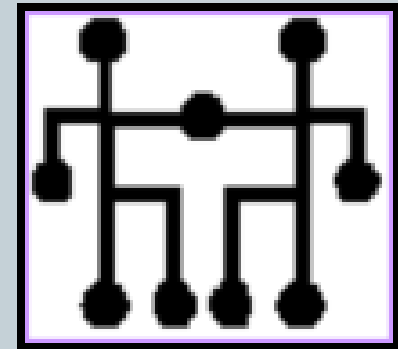
DIGICLIPS, INC.
PIONEERS IN THE BROADCAST NEWS MONITORING INDUSTRY

TEAM BLUEPRINT

CHRISTOPHER CAESAR
JONATHAN MURPHY
BRYANT BEELER

Outline

- Background

- Problem Formulation

- Current State of Art

- Solution Approach

- Phases of Development

- Tasks & Deliverables

- Project Management

- Cost and Resources

- Conclusion

Background

DigiClips

- Founded in 2003

- Colorado "C" Corporation

  - Used to serve private government and corporate communities

- Monitor online news and advertisements from newspaper websites, magazines, broadcast websites and blogs in United States and International markets.

- Services

  - Digital Delivery, DVD, CD, audio clip, and transcripts.

- Provides media services for a wide range of national and international clients

  - Including Metzger Associates, Pushkin Public Relations, Volume Public Relations, Pink Magazine, University of Colorado Medical, The Downtown Denver Partnership, St. Anthony's Hospital, The Denver Zoo, Drug Enforcement Administration offices around the country, and Kaiser Permanente.

Problem Formulation

➢ Create a web search engine for clients to achieve timely/quality responses to PR concerns

➢ Current major search engines do not provide real-time results

➢ Keep the computer illiterate user in mind

➢ Give user up to the minute alerts

Current state of art
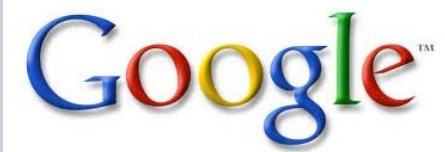
Google
Search the world's information, including web pages, images, videos and more. Google has many special features to help you find exactly what you're looking for.

Bing
Bing is a search engine that finds and organizes the answers you need so you can make faster, more informed decisions.

Yahoo
The search engine that helps you find exactly what you're looking for. Find the most relevant information, video, images, and answers from all across the Web.

Ask.com
Ask.com is the #1 question answering service that delivers the best answers from the web and real people - all in one place.
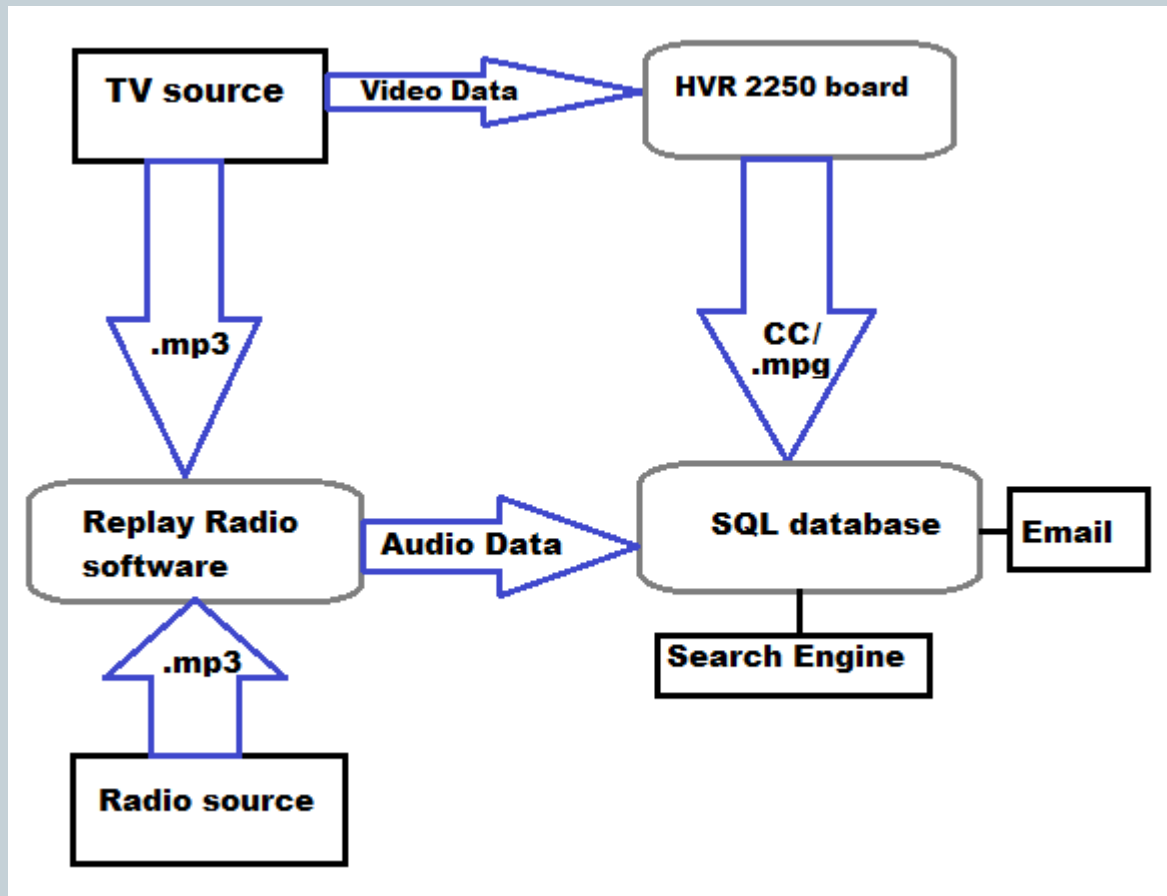
Dogpile
Dogpile returns all the best results from leading search engines including Google, Yahoo! and Bing, so you find what you're looking for faster.

Solution Approach
Phases Of Development
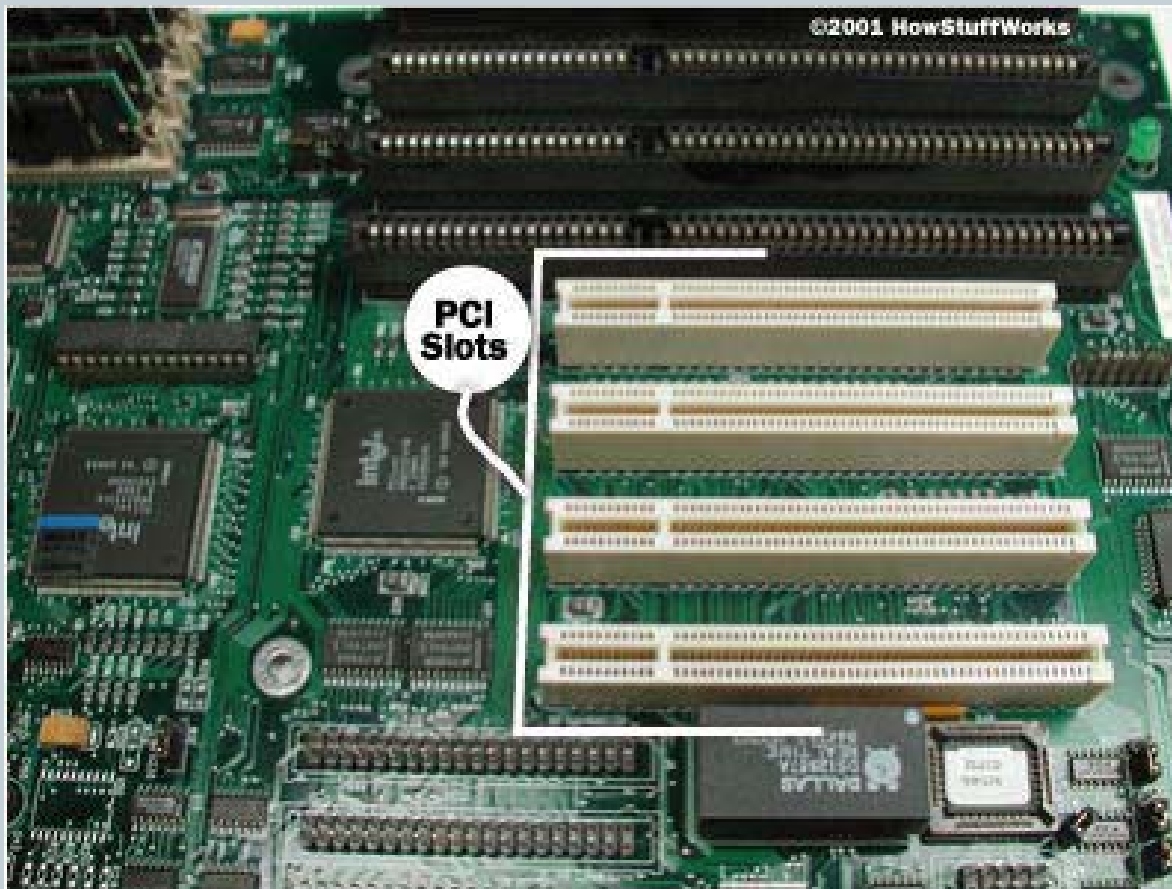
Solution Approach

Hauppauge HVR 2250 board

- Dual TV for Windows Media Center
- Built-in antenna splitter - watch and record up to 2 channels.
- System Requirements - Pentium 4 - 2.2 GHz

- Graphics with 64 MB memory (or greater)
- Microsoft Windows 7, Windows Vista Premium or Ultimate with Media Center, or Windows XP.
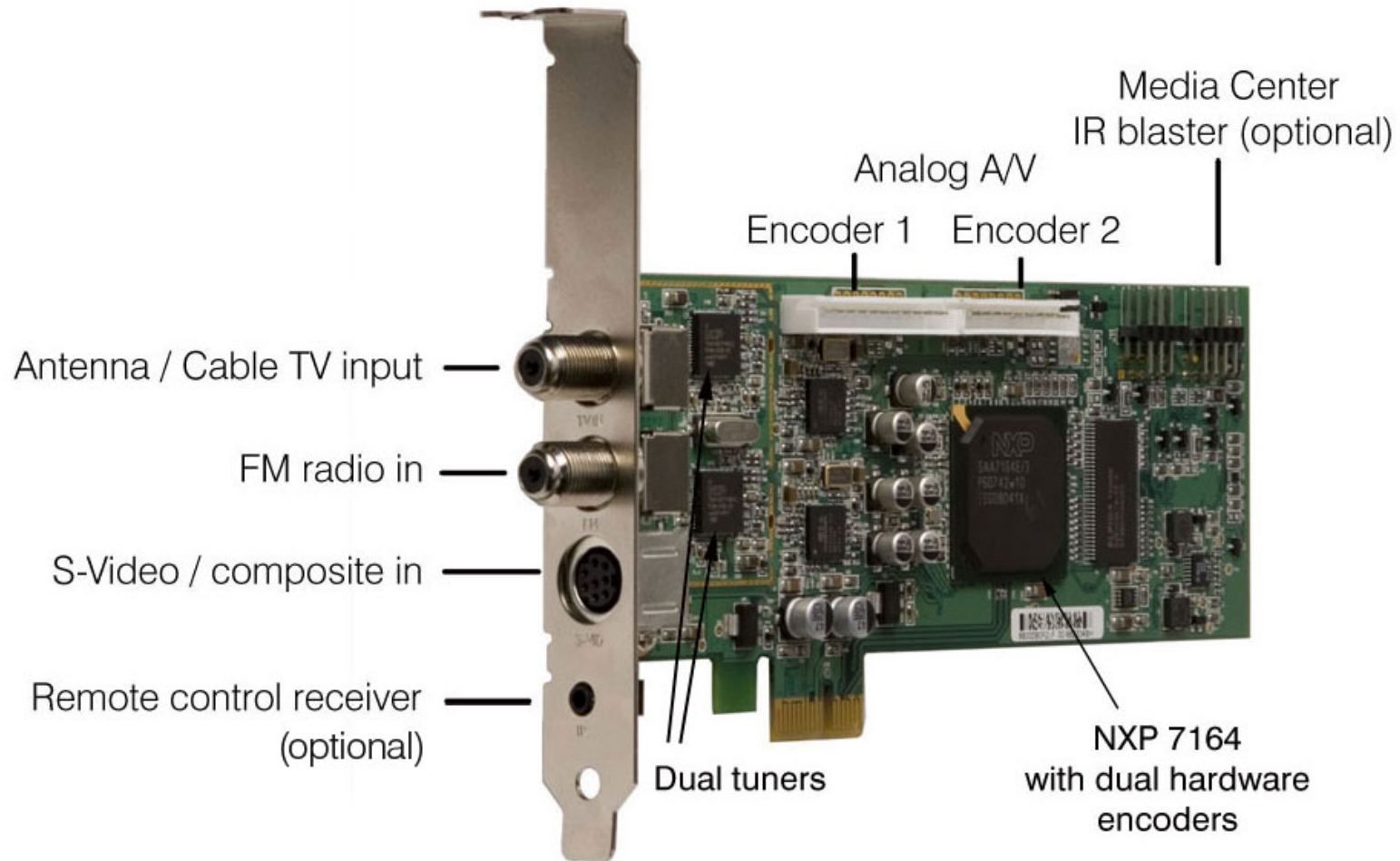- Peripheral / Interface Devices - Sound card, 64MB video memory

Solution Approach

Solution Approach
Phases of Development(Con't)

Solution Approach
Phases of Development(Con't)

Tasks & Deliverables

Team Member	Tasks
Jonathan Murphy	SQL Database Programming
Christopher Caesar	HVR board video integration
Bryant Beeler	HVR board audio Integration (Audio Mining)

Project Management

Milestone	Deadline
Presentations	November 2011
Audio to Text Research Radio to Text Research SQL (Data Mining)	November 2011 – January 2012
Hardware and Software Acquisition	December 2011
Software Preliminary Design	December 2011
Integration Testing	January 2012
Software Final Design	February 2012
Final Design	March 2012

Costs & Resources

Materials	Prices
PCIe Slot (4GB RAM)	$399.00
Hauppauge HVR 2250 board	$60-$150
Miscellaneous	$30.00
Digital TV Cable (Antenna)	$ 10.00
Hauppauge HVR 2250 board (SDK)	(Free) Provided
C ++/.net/SQL Research materials Speech to text software	Free (Open Source)
Total	Approx $600

Conclusion

- **Problem**

- **Solution Approach**

  - 10 Phases of the programming

  - Free Open Source material on the net that can be customized

- **Benefit**

  - Expand programming and hardware knowledge

- **Project Management**

  - By March 31st 2012, ECE presentation day.

QUESTIONS