Project Info

CSE/ISE 364
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Project Proposals - March 27!

Anything with at least 1 form of multimedia is fair game
Must involve some coding (needn’t be in matlab)
Visit office hours or send email to discuss idea feasibility

*Project proposal should include*
What data will be used and how/where to get it
General idea of approach you will take
Plans for prototype version (definitely doable) and extensions (doable if time)
Rough timeline for implementation
Previous Projects

• Maps + Music – interactive map for exploring music by artist home town.
• Virtual Dress up room (morphing shopping images onto virtual models).
• Topic classification of news articles for user suggested browsing.
• Bunny hop video game – driven by web cam.
• Kinect virtual drum kit
More Sources for Project Ideas

• Google maps mashups - http://googlemapsmania.blogspot.com/
• Flickr mashups - http://www.programmableweb.com/api/flickr/mashups
• Cool sources for multimedia data http://www.datawrangling.com/some-datasets-available-on-the-web
• Music + images – visual browser for music collections
• Lots of API’s available for accessing data – flickr, google, google maps, yahoo! news, etc...
• Merging location info with pictures/music
• Image retrieval using text + image + metadata information
• Create a morph sequence between images of all the students in your class
• Text datasets from web or nytimes
• Kinect depth image or skeletons
• Image data associated with GPS location http://graphics.cs.cmu.edu/projects/im2gps/
• Segmented image data - LabelMe

If you tell me what you want to do I can suggest specific resources