

Team: x

Quality of Work: 3.8

Content: 3.79

Presentation: 3.59

Overall Rating: 3.74

### Student Comments

- Very good (3)
- Very impressive demo
- Can you find the same person on a different background (2)
- Interesting topic
- Image searching works well
- Speed is good
- Search produced similar images, but not at large angular differences, only small angles
- More diversity in faces in the demonstration
- Good job answering questions
- Good presentation, good demo
- Larger face set will help
- It doesn't have indexing!
- 2000 is a small set
- Any results on same background
- Seems like a lot of intended work remains for time left
- It would be nice to find the same person on a different setting
- Nice content. Good tool, Will it be web based?
- It will be interesting if you will be able to rid of the background, this seems difficult.
- Good demo

### Student Suggestions

- Add more faces
- Add webcam
- Make more interesting/flashy
- More formal presentation, slides besides demonstration itself (2)
- Show search results that work for different background
- Remove background's effect

- User interface seems awkward
- Present the cases raised in class next time
- Bigger database and an index
- It would be interesting to see how it handles twins
- Would like to see same person returned on different background
- Could think of some more varied examples

#### Our Comments/Suggestions

- Comparison of VP-tree with other indexing techniques (k-tree)
- Comparison of metrics; use of cosine for scale-free distance
- Normalization of scale of the faces
- Can you remove background? (make it 'all blue')
- SVD performance is expected to be slow, how much does the incremental PCA help? How did you implement PCA (or what is the source)?
- Very nice demo
- Increase data set size and incorporate indexing
- Evaluate the performance with and without the indexing
- Is there an example of the tool selecting the same face on different backgrounds ahead of similar face on the same background?

Team: x

Quality of Work: 3.35

Content: 3.36

Presentation: 3.12

Overall Rating: 3.30

### Student Comments

- Why so much platform jumping? Asp, aspx, c++, c#
- Nice presentation of semantic search of text
- It seems to work...what about a thesaurus style search?
- Interesting topic
- Good description of the content and the problems being faced
- Jumping around, wasted time
- Good work
- Good progress from weeks ago, better understanding of project
- It is slow
- The result for heart had the word in it multiple times, and attack not at all, and not related to heart attacks. Small dataset too.
- Very hard project. I understand technical issues are tough, but should try to have a plan on what to do even when things go bad.
- Could have come up with more creative ways to demo
- Demo demonstrated exact match rather than LSI

### Student Suggestions

- Slides were too small
- Fix the technical issues that make the search slow
- Instead of cosine, display accuracy in percent
- Improve the performance of the searching
- Explain significance of cosine
- Cut filler/waiting time (screenshots of demo)
- Show conclusion
- Get interface nicer
- Build better test cases to show that it is semantically searching rather than exact match
- Demo used plain text, any other document types?
- Progress indicator (maybe unbuffered output)
- Better test cases to better utilize LSI
- Improve efficiency
- Can you find a document with content of keyword, but keyword does not exist in document

- Once web interface is working, it would be nice to have a text area to specify input, that would allow for much longer input
- Improve speed
- Select better test cases
- Just need more of a product
- Speed can be improved.
- Can show better test cases that really depict the semantic search capability

### Our Comments/Suggestions

- Performance analysis of SVD
- Performance analysis of k
- Performance analysis of one keyword versus multiple keywords. How many keywords (least) does the LSI need? Do you think it is only for document to document matching?
- GUI
- Find nice demo cases to highlight the strength of your technique
- Make query by example easy for user
- Try to have the following test cases
  - Document related to query terms is returned without containing query terms
  - Try paraphrasing documents and seeing if they get returned
  - Query terms prune based on context, e.g. Thanksgiving Turkey does not return documents related to the country

Team: x

Quality of Work: 3.6

Content: 3.26

Presentation: 3.0

Overall Rating: 3.32

### Student Comments

- More analysis would be interesting, but the finished project looks great!
- Query speed isn't an issue because the database isn't complex enough. You should not need a gigabit to transfer it.
- The database is a bunch of company records, what is this data used for?
- Ethernet too slow? Please review what is the network and data record transfers.
- Problem was well addressed
- Presentation was well prepared
- Nice Visuals
- Pretty good user interface
- Good application
- Good interface but what is the purpose? I have trouble summarizing why you made this project
- Good interface, but presentation could have been better organized
- Performance analysis not convincing
- Not sure what the project is supposed to accomplish, could not understand flow of presentation
- Not much new to project (since we saw demo)
- Good slides, but wordy
- Good looking demo

### Student Suggestions

- Show some of the SQL queries
- Would it be possible to compare the sql transaction vs. application speeds
- Interface still looks a bit hard to use
- It seems that this project is a C# programming project that happens to use a database then a database design with clustering type project

- Will the company you are producing this for be present for the final demo?
- Find the real issues and optimize them
- The performance analysis is not convincing->shows the transfer rate is unrealistically slow.
- I did not really know what was going on during the presentation
- Improve presentation transitions
- Get a good storyline while presenting the application, flow seemed somewhat undirected
- Add more functionality
- Make sure the demo is useful to see is organized/planned
- Add a conclusion slide
- More sample of database

#### Our Comments

- Can you try a bigger (made up) dataset and evaluate performance of database tuning tools?
- Can you compare SQL Server index recommendation tool to Mike's tool
- Come up with a clear use case(s) to show the demo
- Reanalyze the time performance, it does not seem that LAN speed is actually the bottleneck, as such, you will not see a 10x improvement by going to gigabit

Team: x

Quality of Work: 3.97

Content: 3.94

Presentation: 4.0

Overall Rating: 3.97

#### Student Comments

- Great Work
- Excellent software. Great job
- Good overall
- Good
- Searching works well (even speedwise)
- Very interesting content
- Searching algorithm was described well
- Good work
- Impressive, looks professional
- Nice application
- Good presentation
- Good demo
- Color histogram's results are too general. Strong presentation
- Good demo, well laid out
- Great demo
- Excellent presentation

#### Student Suggestions

- User relevance feedback
- I would like to see support for multiple image search (e.g pic1 and pic2 and not pic3)
- Learn the images that you upload, so it is added to the database
- Histogram based search not always optimal
- Try to take other hints from the picture also
- More data analysis for better results
- Provide more intro/conclusion slides

#### Our Comments/Suggestions

- Good team-work, good individual tasks
- Query by multiple example is a possibility

- Relevance feedback would be a nice addition
- Thumbnails are a good idea
- Very nice demo
- Incorporate other techniques for comparative purposes if possible
- Upon using the tool, I got reasonable results if image was largely one color or of one thing, marginal results if the picture was busy and had a lot of different colors.
- How much does background affect results? (e.g. did coins match because they have the same amount of whitespace?)



Team: x

Quality of Work: 3.49

Content: 3.54

Presentation: 3.83

Overall Rating: 3.6

### Student Comments

- Very good presentation of what you have
- LOTR gif really out of place
- Med news, login, search needs to be san serif
- Is stylesheet in place?
- I like the color scheme
- Would a Dr. give med advice online...seems like a good way to get sued
- Do you feel the database aspect of the course has been fully covered by your team?
- Seems that the most important stuff is the lowest priority to finish
- Good presentation
- Presentation was more of an explanation of what is rather than an actual demo. Nice chat demo...more like that
- Good presentation, but more display on the interaction with the database would make it better
- Prepared well, but there was no demo presentation

### Student Suggestions

- Could Dr's specialty be drop-down, hospital type as well - I would not know what to type
- I am a bit worried about how much time you have left to finish this project - adding the database functionality
- Javascript/AJAX might help fix the chat behavior
- More demo, less presentation. Nice organization, speaking, and flow though.
- Show the search (or was it not working)
- Fix the chat, use some java off-the-shelf component

## Our Comments/Suggestions

- Proximity Search function would be useful
- Well presented
- Work hard to get the functionality complete, then focus on any performance issues

Team: x

Quality of Work: 3.76

Content: 3.91

Presentation: 3.65

Overall Rating: 3.79

#### Student Comments

- Extremely good work
- Interesting idea, would like to see how it is developed further
- So the correlation engine is yet to come? Seems like good progress on a hard project
- Good presentation
- Good demo, good examples, may have been nice to see something beside AMD in most examples
- All the different views look the same
- Presenter knew what to expect
- Nice presentation
- Nice work

#### Student Suggestions

- Searching for correlations between stocks would be a more impressive search
- We need good explanations of what you are doing as you are speaking and why it is important
- Might have been nice to show more 'non-interesting' examples and plan on explaining why they come out that way. Also more conversation about future plans, performance evaluation
- Have some slides (maybe just intro and conclusion)
- Start with why you are doing this
- More information on the website on how it works, the constraints of the search, the input format

#### Our Comments/Suggestions

- Correlations between stock prices between expected correlated companies (e.g amd and intel)
- Find correlated sets of stock

- Add the ability to find correlations between stocks
- Normalize this performance against overall stock market performance
- Find several closest correlations, and examine what happened to the stock for some time period after the end of the correlated periods. Are the performances similar, or random? This would indicate the feasibility of the approach.
- Do you know why polynomial is not working?