

Homework 4

Steps:-

Setting up VMWarePlayer and Ubuntu

1. Installed VMWarePlayer and installed Ubuntu. Installed vmware tools on Ubuntu.
2. Installed Java OpenJDK on Ubuntu

Setting up Solr

1. Downloaded solr from an apache mirror
2. Go to solr-6.5.0 directory
3. Run bin/solr start
4. Run bin/solr create -c hwcore
Creating a core
5. Made changes to managed-schema.xml of hwcore as described in the "IndexWithTikaV3.pdf" file
6. Run bin/post -c core hwcore -filetypes html /hw4data
This creates the index on the data sets in Solr. We perform queries on this index.
7. Made changes to solr-config.xml of hwcore as described in the "IndexWithTikaV3.pdf" file

Generate Page Rank file

1. First, we read the mapping file line by line to extract the links. (We use the JSOUP library to extract links from the web pages that we downloaded)
Extraction method : link.attr("href").trim();
2. We now utilize the map file and the data to store the extracted links in the form of an edgelist in a temporary file. Let's call the file "edgelist"
3. Install python on Ubuntu.
4. Install networkx library using pip (pip comes packaged with python)
5. Create a directed graph using the edgelist
6. We use networkx to create a digraph from the edgelist
`nx.DiGraph(nx.read_edgelist("/path-to-folder/edgeList.txt"))`
7. We use networkx pagerank API to compute the pagerank from the digraph created in the above step
`nx.pagerank(digraph,parameter1,parameter2.....)`
List of Parameters:
`alpha=0.85`
`personalization=None`
`max_iter=30`
`tol=1e-06`
`nstart=None`
`weight='weight'`
`dangling=None`
8. We iterate over the values returned by the pagerank API to generate the pagerank file

9. Format of the file is docID:value

Including Pagerank in SOLR

1. The pagerank file is named as external_pageRank.
2. Move the file to hwcore/data directory
3. Made changes to managed-schema.xml and solr-config.xml as per the instructions

Creation of the SOLR client using angularjs and node.js

1. Installed node.
2. Created an empty project directory.
3. Run npm init in the directory
4. Created the required files and folders. Added Dependencies to package.json for a simple express app
5. Run npm install to get required dependencies.
6. Run npm install solr-node
7. Wrote the code for the project

How to run the Project

1. Go to the node client folder
2. The server.js file consists of post request calls to solr
3. Public/index.html folder consists of the web page structure and the angular code as well
4. Inside the node client directory
Run node server.js
5. Open localhost:8080 in any browser and you should see the browser

Using your cores:

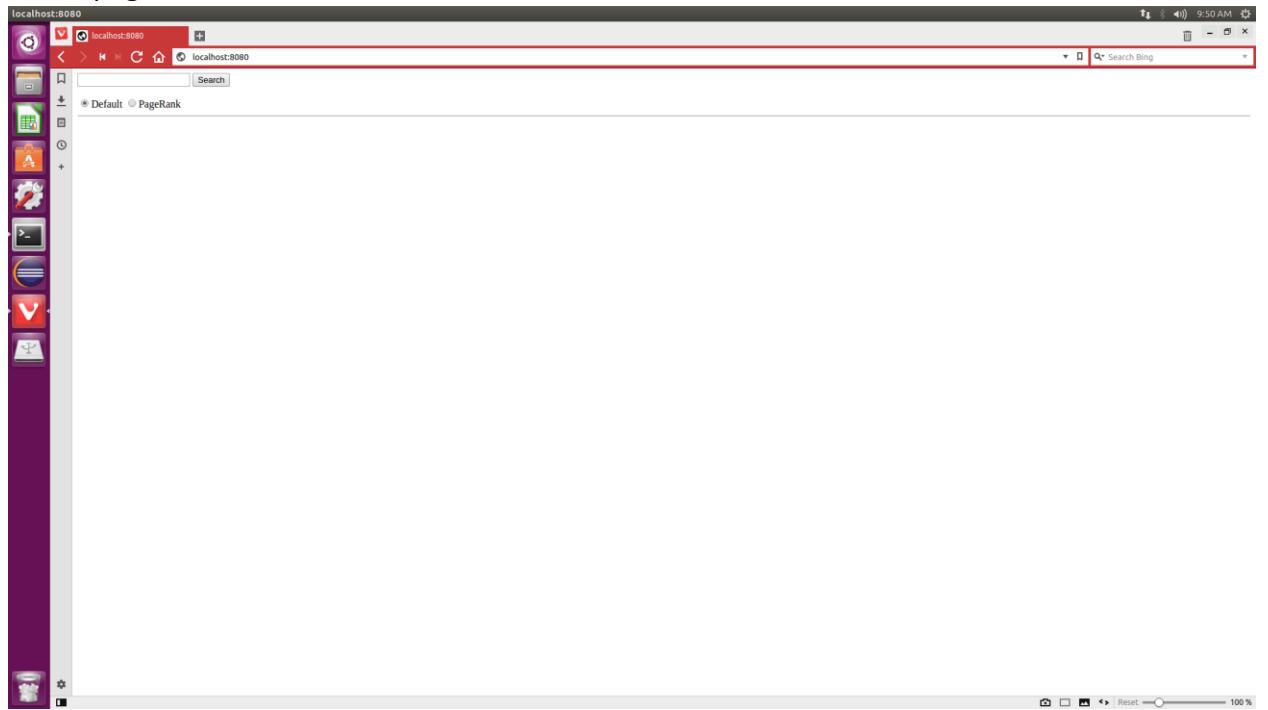
Inside server.js, inside there are two instances of the variable “url”, one in each post request handler. You may change the name of the core from “hwcore” to your preference. Be careful in modifying as incorrect modification can cause the post request to not work properly.

Performance of Lucene vs Pagerank

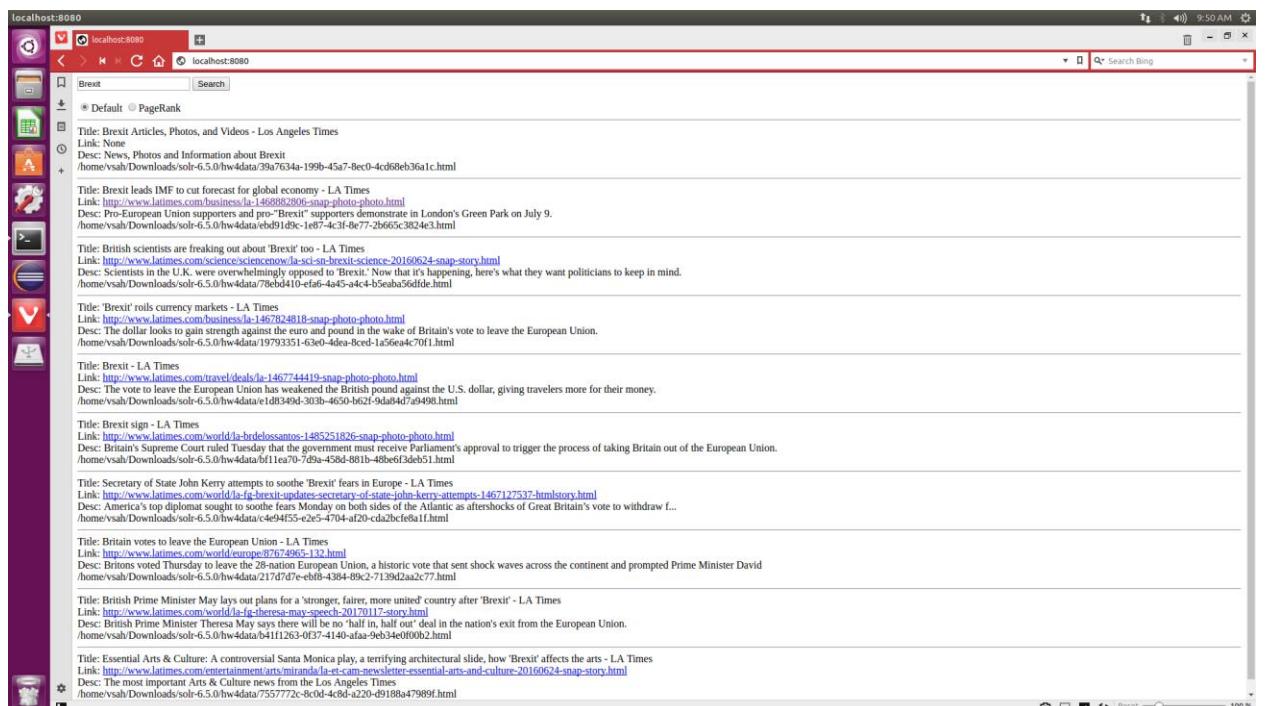
- Lucene outperforms pagerank considerably.
- Lucene utilizes Vector space models and Boolean model to determine the relevance of a page to a query.
- Pagerank on the other hand considers only incoming and outgoing links in pagerank computation.
- In other words, Lucene takes relevance into account, while pagerank doesn't care about relevance
- Therefore, irrelevant pages with a high page rank show up while using the pagerank algorithm

FLOW OF THE SOLR CLIENT

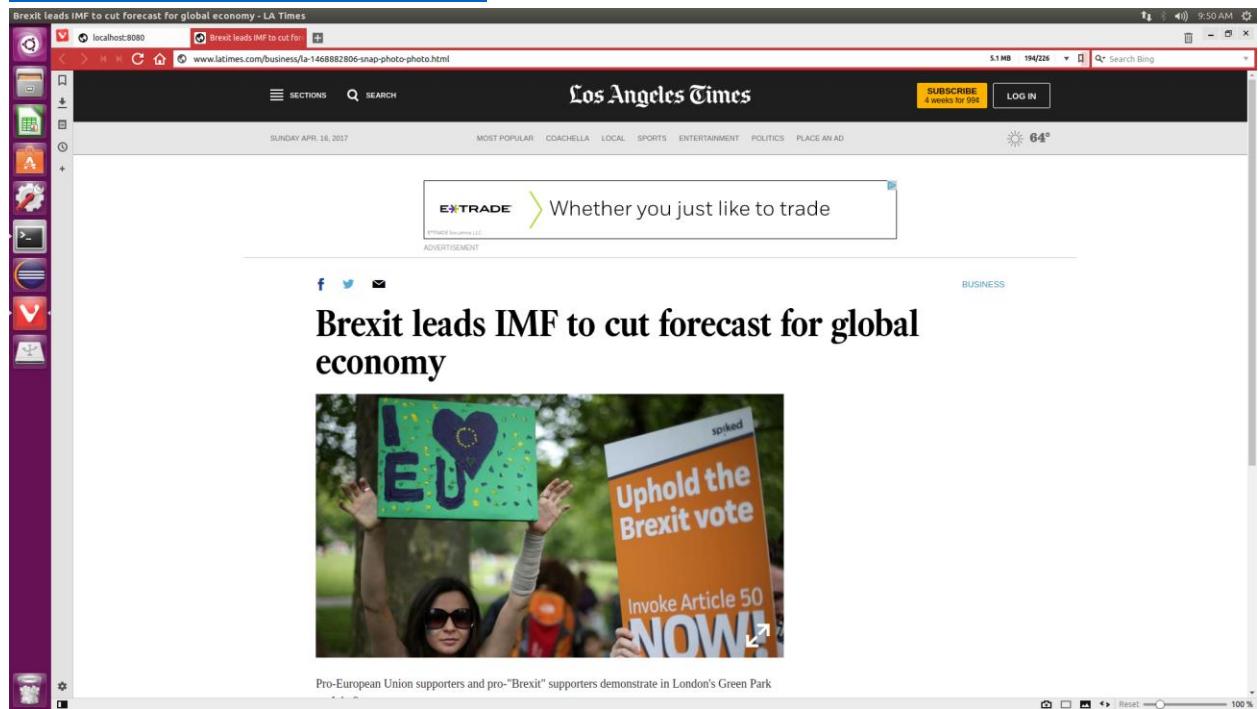
1. Home page of Solr Client



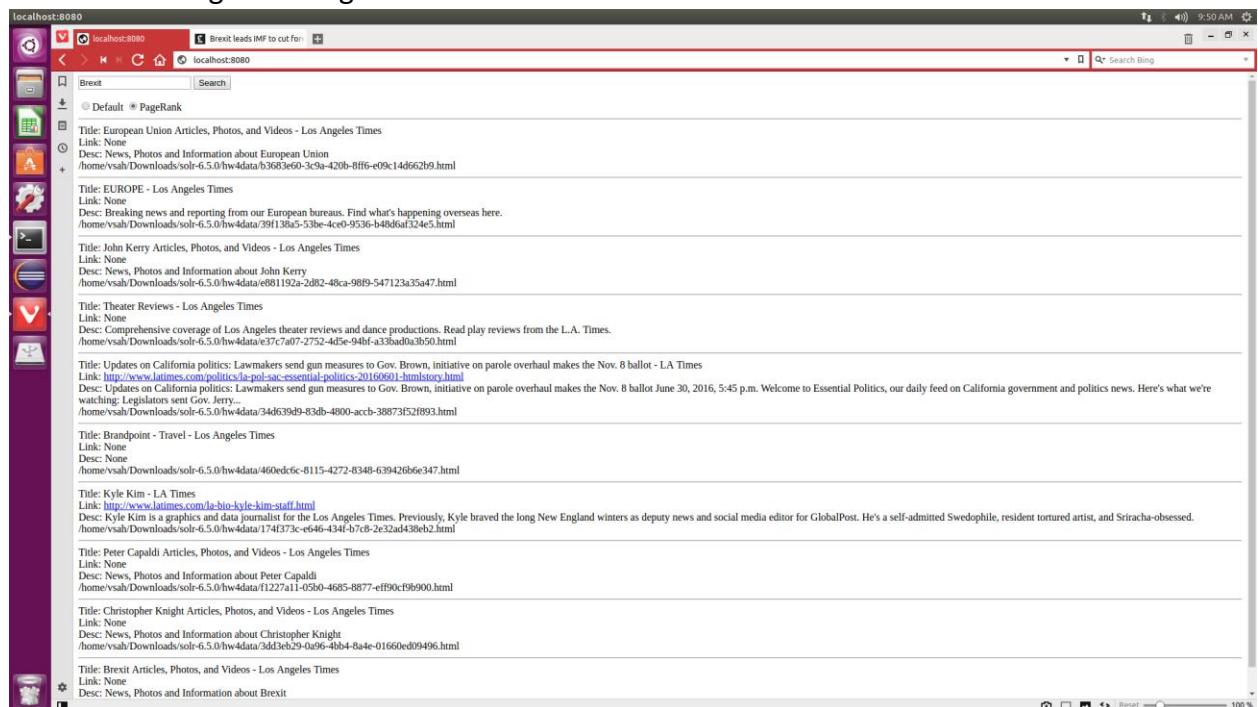
2. Type query (sample: Brexit) and press search. Default selection is Lucene. 10 results are returned.



3. We open 2nd result using the link provided <http://www.latimes.com/business/la-1468882806-snap-photo-photo.html>



4. We now use Pagerank to get the results



5. We open the 5th result using the link provided <http://www.latimes.com/politics/la-pol-sac-essential-politics-20160601-htmlstory.html>

The screenshot shows a web browser window with the Los Angeles Times website loaded. The title of the article is "Updates on California politics: Lawmakers send gun measures to Gov. Brown, initiative on parole overhaul makes the Nov. 8 ballot". The article is dated June 30, 2016, at 5:45 PM. It discusses legislative actions by Governor Jerry Brown and other lawmakers regarding gun violence measures and parole. On the right side of the page, there is a sidebar for "Essential Politics" with a sign-up form for political news and links to "More from politics". A notification bar at the top right asks for permission to show notifications from latimes.com.

Query Results (Lucene)

BREXIT

localhost:8080

The screenshot shows a Microsoft Edge browser window with the URL 'localhost:8080'. The search bar contains 'Brexit'. Below the search bar is a navigation bar with icons for back, forward, home, and search. The main content area displays a list of search results. Each result includes a title, link, and brief description. The results are as follows:

- Title: Brexit Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Brexit
/home/vsah/Downloads/solr-6.5.0/hw4data/3b7634a-199e-45a7-8ec0-4cd68eb36a1c.html
- Title: Brexit leads IMF to cut forecast for global economy - LA Times
Link: <http://www.latimes.com/business/la-1468828206-snap-photo-photo.html>
Desc: Pro-European Union supporters and pro-'Brexit' supporters demonstrate in London's Green Park on July 9.
/home/vsah/Downloads/solr-6.5.0/hw4data/e8d91d8c-1e67-4c3f-8e77-26665c3824e3.html
- Title: British scientists arereaking out about 'Brexit' too - LA Times
Link: <http://www.latimes.com/science/scienew/la-sci-is-brexit-science-20160624-snap-story.html>
Desc: Scientists in the U.K. were overwhelmedly opposed to 'Brexit'. Now that it's happening, here's what they want politicians to keep in mind.
/home/vsah/Downloads/solr-6.5.0/hw4data/7e8d410-e6af-4a45-a4c4-b5eabaf5dfe.html
- Title: 'Brexit' rolls currency markets - LA Times
Link: <http://www.latimes.com/business/la-1467824818-snap-photo-photo.html>
Desc: The dollar looks to gain strength against the pound in the wake of Britain's vote to leave the European Union.
/home/vsah/Downloads/solr-6.5.0/hw4data/19793351-e3ed-4de4-8e6d-1a5e4e70f1.html
- Title: Brexit - LA Times
Link: <http://www.latimes.com/travel/travel/la-j1467744119-snap-photo-photo.html>
Desc: The vote to leave the European Union has weakened the British pound against the U.S. dollar, giving travelers more for their money.
/home/vsah/Downloads/solr-6.5.0/hw4data/e1d8349d-303d-4650-bc2f-9da84d7a949b.html
- Title: Brexit sign - LA Times
Link: <http://www.latimes.com/world/la-hr3debsession-148251826-snap-photo-photo.html>
Desc: Britain's Supreme Court ruled Tuesday that the government must receive Parliament's approval to trigger the process of taking Britain out of the European Union.
/home/vsah/Downloads/solr-6.5.0/hw4data/bf11e70-729a-458d-881b-88e6f3edbe51.html
- Title: Secretary of State John Kerry attempts to soothe 'Brexit' fears in Europe - LA Times
Link: <http://www.latimes.com/world/la-fg-brexit-updates-secretary-of-state-john-kerry-attempts-1467127537-htmlstory.html>
Desc: America's top diplomat sought to soothe fears Monday on both sides of the Atlantic as aftershocks of Great Britain's vote to withdraw...
/home/vsah/Downloads/solr-6.5.0/hw4data/c4e4f455-c5e2-4794-a20-c0a2bc0c6a1f.html
- Title: Britain votes to leave the European Union - LA Times
Link: <http://www.latimes.com/world/europe/la-w7674965-132.html>
Desc: Britain voted Thursday to leave the 28-nation European Union, a historic vote that sent shock waves across the continent and prompted Prime Minister David
/home/vsah/Downloads/solr-6.5.0/hw4data/217d/d/e6b0-4384-89c2-7139d2aa277.html
- Title: British Prime Minister May lays out plans for a stronger, fairer, more united country after 'Brexit' - LA Times
Link: <http://www.latimes.com/world/la-fg-theresa-may-speech-20170117-story.html>
Desc: British Prime Minister Theresa May says there will be 'half in, half out' deal in the nation's exit from the European Union.
/home/vsah/Downloads/solr-6.5.0/hw4data/b411263-037-4140-aef8-9e3b4e0ff002.html
- Title: Essential Arts & Culture: A controversial Santa Monica play, a terrifying architectural slide, how 'Brexit' affects the arts - LA Times
Link: <http://www.latimes.com/entertainment/arts/miranda/a-etc-cam-newletter-essential-arts-and-culture-20160624-snap-story.html>
Desc: The most important Arts & Culture news from the Los Angeles Times
/home/vsah/Downloads/solr-6.5.0/hw4data/7557772c-8c0d-4c8d-a220-d9198a47989f.html

NASDAQ

localhost:8080

The screenshot shows a Microsoft Edge browser window with the URL 'localhost:8080'. The search bar contains 'NASDAQ'. Below the search bar is a navigation bar with icons for back, forward, home, and search. The main content area displays a list of search results. Each result includes a title, link, and brief description. The results are as follows:

- Title: NASDAQ Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about NASDAQ
/home/vsah/Downloads/solr-6.5.0/hw4data/995e404-aab6-42be-a99a-bd0c34ee90b0.html
- Title: Stocks rise, lifting the S&P 500 and Nasdaq to record highs - LA Times
Link: <http://www.latimes.com/business/la-fi-markets-20170124-story.html>
Desc: U.S. stocks posted solid gains Tuesday, propelling the Standard & Poor's 500 index and Nasdaq composite to all-time highs. Mining and other materials-sector firms outpaced the overall market.
/home/vsah/Downloads/solr-6.5.0/hw4data/20eb7930-b152-4263-7ee7-77222e91.html
- Title: Stocks' rise lifts Nasdaq to new record high: Dow nears 20,000 - LA Times
Link: <http://www.latimes.com/business/la-fi-markets-20161227-story.html>
Desc: Stocks are closing slightly higher in quiet trading on Wall Street, edging the Dow Jones industrial average closer to 20,000.
/home/vsah/Downloads/solr-6.5.0/hw4data/399fc5a-4065-422a-960c-4576536e99.html
- Title: From teenage science project to Nasdaq - LA Times
Link: <http://www.latimes.com/business/la-fi-himi-andrew-ritter-20161130-story.html>
Desc: Andrew Ritter, the 34-year-old founder of Ritter Pharmaceuticals in Los Angeles, created the original form of his lead experimental drug by testing it on himself.
/home/vsah/Downloads/solr-6.5.0/hw4data/0021ac16-9668-47c3-95e2-75ec89862d31.html
- Title: Stocks inch up, and Nasdaq hits a new high - LA Times
Link: <http://www.latimes.com/business/la-fi-markets-20170207-story.html>
Desc: Wall Street capped a subdued day of trading Tuesday with a tiny gain and another milestone: a new record high for the Nasdaq composite index. Consumer goods makers and technology companies rose.
/home/vsah/Downloads/solr-6.5.0/hw4data/86073d4-b21-4d55-a844-1bc4307160fd.html
- Title: Solid bank earnings push stocks mostly higher - LA Times
Link: <http://www.latimes.com/business/la-financial-markets-201113-story.html>
Desc: Banks led U.S. stock indexes mostly higher, propelling the Nasdaq composite to its fourth record high this week. Investors welcomed earnings from JPMorgan Chase, Bank of America and Wells Fargo.
/home/vsah/Downloads/solr-6.5.0/hw4data/2ca6a1-528b-43cd-8463-c7e1d1c1af7.html
- Title: Oracle Corp. Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Oracle Corp.
/home/vsah/Downloads/solr-6.5.0/hw4data/27fe459b-013e-45fe-890e-30fb8bb1f34aa.html
- Title: S&P Dow Jones Indices Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about S&P Dow Jones Indices
/home/vsah/Downloads/solr-6.5.0/hw4data/947feef-0881-4687-8ac8-791dbff5e13.html
- Title: Stocks drift mostly lower, but Dow ekes out another gain - LA Times
Link: <http://www.latimes.com/business/la-fi-markets-20170126-story.html>
Desc: The Dow Jones industrial average inched further into record territory Thursday, eked out a gain while the broader U.S. market indexes drifted lower.
/home/vsah/Downloads/solr-6.5.0/hw4data/e5c7512-063a-4431-83b1-a39bc05aa1.html
- Title: Bank stocks' jump pushes U.S. indexes higher; bond yields rise - LA Times
Link: <http://www.latimes.com/business/la-fi-markets-20170124-story.html>
Desc: Bank stocks jumped Tuesday on hopes that bigger profits are ahead, and U.S. indexes again pushed to record highs.
/home/vsah/Downloads/solr-6.5.0/hw4data/3c16860-874a-4629-ae96-a766cfaf63f3.html

NBA

NBA	
* Default	PageRank
Title: Kawhi Leonard Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Kawhi Leonard /home/vsah/Downloads/solr-6.5.0/hw4data/235fb710-8da9-4885-9115-5f24248eecc58.html
Title: John Wall Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about John Wall /home/vsah/Downloads/solr-6.5.0/hw4data/7c4bb532e-0a0b-4cb2-8771-1ced31d851c1.html
Title: Bradley Beal Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Bradley Beal /home/vsah/Downloads/solr-6.5.0/hw4data/fc1f76e5-590f-4359-aedf-76367f755d7e.html
Title: Dion Waiters Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Dion Waiters /home/vsah/Downloads/solr-6.5.0/hw4data/f9093a2e2-f600-48be-ba01-a053024290fb.html
Title: NBA Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about NBA /home/vsah/Downloads/solr-6.5.0/hw4data/ccb9332d-0beb-4b9a-9b35-1e8c87ecc839.html
Title: George Hill Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about George Hill /home/vsah/Downloads/solr-6.5.0/hw4data/f9f4a6b6-0270-4a70-a45e-36b0a048831cfb.html
Title: Kemba Walker Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Kemba Walker /home/vsah/Downloads/solr-6.5.0/hw4data/fe919156-5317-40e7-9558-180fd9263c5.html
Title: Gordon Hayward Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Gordon Hayward /home/vsah/Downloads/solr-6.5.0/hw4data/5ba8efc05-3039-4c26-b4b8-c309ea452a25.html
Title: Andre Drummond Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Andre Drummond /home/vsah/Downloads/solr-6.5.0/hw4data/165ac121-2e93-4db9-953e-c406f3e79400.html
Title: Anthony Davis Articles, Photos, and Videos - Los Angeles Times	Link: None Desc: News, Photos and Information about Anthony Davis /home/vsah/Downloads/solr-6.5.0/hw4data/3ea0c9548-5776-4ae8-8d1a-476452099ca3.html

Snapchat

The screenshot shows a web browser window with several tabs open. The tabs include:

- localhost:8080
- Homework4.pdf
- HW4GradingGuidelines.pdf
- localhost:8080
- Snapchat [Search]

The main content area displays search results for "Snapchat founders Bobby Murphy and Evan Spiegel". The results are as follows:

- Title: Snapchat founders Bobby Murphy and Evan Spiegel - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-snapchat-evan-spiegel-advertising-201-001-photo.html>
Desc: Bobby Murphy, left, and Evan Spiegel, cofounders of Snapchat, at the company's offices in Venice in 2013.
/home/vsualDownloads/solr-6.5.0/wk4data/cf29dc5-203-4848-91e-6e289920.html
- +
Title: Snapchat founders Bobby Murphy and Evan Spiegel - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-snapchat-evan-spiegel-20150929-001-photo.html>
Desc: Snapchat founders Bobby Murphy, left, and Evan Spiegel, shown in 2013, are among the 400 richest people in the U.S., Forbes said.
/home/vsualDownloads/solr-6.5.0/wk4data/902d82e2-c30-49f4-5d4-94b19190767.html
- Title: Snapchat COO Emily White steps down from company - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-in-snapchat-emily-white-leaves-20150113-story.html>
Desc: Snapchat's high-profile chief operating officer, Emily White, has left the company, the Venice company confirmed Friday. "Emily is a talented executive and we thank her for her many contributions to Snapchat," spokeswoman Mary Ritti said in an emailed statement. White was a big hire for the ephemeral-photo...
/home/vsualDownloads/solr-6.5.0/wk4data/f9e308a-f44-4d8-8293-708d4d320ce.html
- Title: Miley Cyrus wants to sing for 'The Voter' Snapshot series - LA Times
Link: <http://www.latimes.com/entertainment/801520-113/story.html>
Desc: 'The Voter' is launching a Snapchat series and Miley Cyrus wants your entries.
/home/vsualDownloads/solr-6.5.0/wk4data/90ca3a52-beff-4603-892a-b34a0fcceff9.html
- Title: Bobby Murphy and Evan Spiegel of Snapchat - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-snapchat-charts-20131211-001-photo.html>
Desc: Snapchat has raised \$50 million in funding from Comcast Management. Above, co-founders Bobby Murphy, left, and Evan Spiegel in Venice.
/home/vsualDownloads/solr-6.5.0/wk4data/b7c52fa-c08b-447f-7e24-1593df7c1ee1.html
- Title: Snapchat is trying to remake its image by giving back to its Venice neighbors - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-snapchat-charts-20160907-story.html>
Desc: When St. Joseph Center, a homeless services agency in Venice, needed funding for a software programming class for low-income women, Snapchat Inc. was an obvious
/home/vsualDownloads/solr-6.5.0/wk4data/337ae7ab-002a-454a-916-4f5be19611.html
- Title: Alibaba invests \$1 billion in Snapchat valuation at \$15 billion - LA Times
Link: <http://www.latimes.com/business/companies/la-fi-alibaba-invests-give-snapchat-another-half--001-story.html>
Desc: It started as a classroom project at Stanford University. The idea: an app for sending photos that would disappear seconds later. Vanishing photos? Classmates scoffed. On Wednesday, four years later, a source close to the deal said Snapchat Inc. had pulled in a \$200-million investment from Chinese...
/home/vsualDownloads/solr-6.5.0/wk4data/ba9bf8ba-2d2a-4240-bc9-4fb170706653.html
- Title: 1422185_FI_snapchat_GEM - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-investors-give-snapchat-another-half--001-photo.html>
Desc: Snapchat founders Bobby Murphy and Evan Spiegel in May 2013, when the company was valued at a mere \$65 million.
/home/vsualDownloads/solr-6.5.0/wk4data/4ff9771c-808e-45b3-907a-d53b4737f5d.html
- Title: Snapchat - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-investors-give-snapchat-another-half--001-photo.html>
Desc: Bobby Murphy, left, Snapchat's chief technology officer, and Evan Spiegel, chief executive. In 2013, co-founder Reggie Brown sued his former colleagues and venture capitalists, alleging breach of contract.
/home/vsualDownloads/solr-6.5.0/wk4data/116517ef-8a7a-4db3-aeb8-32026c3c2e2e.html
- Title: Snapchat - LA Times
Link: <http://www.latimes.com/business/technology/la-fi-in-snapchat-emily-white-coo-20131203-001-story.html>
Desc: Snapchat co-founders Bobby Murphy, left, and Evan Spiegel have hired Instagram's Emily White to be Snapchat's chief operating officer.
/home/vsualDownloads/solr-6.5.0/wk4data/90ad35-3c5e-402a-ba97-31e66d0e404.html

Illegal Immigration

The screenshot shows a Microsoft Edge browser window with the URL localhost:8080 in the address bar. The search term 'Illegal Immigration' is entered in the search field. The results page displays a list of news articles and links from various sources, including the LA Times, regarding immigration policies and issues.

- Title: Library of Congress to stop using 'Illegal alien' and 'illegal immigration' as subject headings - LA Times
Link: [http://www.latimes.com/nation/la-na/library-congress-alien-20160403-story.html](http://www.latimes.com/nation/la-na-library-congress-alien-20160403-story.html)
Desc: The Library of Congress, saying one common phrase had become offensive, announced it will no longer use "illegal aliens" as a bibliographical term. The library will now use "noncitizens" and "Unauthorized immigration" when referring to individuals and the larger phenomenon of people residing...
- + Title: Illegal Immigrants Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Illegal Immigrants
[/home.vsubh.Downloads/solt-6.5.0bw4data/5951ba3-0553-45e6-acf4-a5fb1a423c9.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/5951ba3-0553-45e6-acf4-a5fb1a423c9.html)
- Title: Jenny Beth Martin and Jeff Sessions speak on Capitol Hill - LA Times
Link: <http://www.latimes.com/opinion/opinion/la-oe-mcmahan-immigration-and-the-gop-20130626-001-photo.html>
Desc: Although an immigration reform bill seems certain to pass in the Senate, its fate is less certain in the House where Republicans are far more conservative and aren't convinced that the American public wants a bill giving illegal immigrants a path to citizenship. Above: Jenny Beth Martin, left...
- /home.vsubh.Downloads/solt-6.5.0bw4data/5b756b2-3831-4610-9e41-0a071b3c93.html
- Title: L.A., Orange counties are home to 1 million immigrants who are in the country illegally; analysis shows - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-illegal-immigration-los-angeles-20170208-story.html>
Desc: Nearly 10% of the nation's 11.1 million immigrants who are in the country illegally reside in Los Angeles and Orange counties, according to an analysis released Thursday by the Pew Research Center.
[/home.vsubh.Downloads/solt-6.5.0bw4data/4b16d-f4dc5-9f7-e24fcacf48.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/4b16d-f4dc5-9f7-e24fcacf48.html)
- Title: How LAPD's and-order chief revolutionized the way cops treated illegal immigration - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-in-special-order-40-retrospective-20170205-story.html>
Desc: A look at L.A.'s Special Order 40, which prohibits police officers from stopping people solely to learn their immigration status. It was put in place in 1979 by then-Chief Daryl F. Gates.
[/home.vsubh.Downloads/solt-6.5.0bw4data/4b16d-f4dc5-9f7-e24fcacf48.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/4b16d-f4dc5-9f7-e24fcacf48.html)
- Title: Cindy Carcamo - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-illegal-immigration-staff.html>
Desc: Cindy Carcamo covers immigration issues for the Los Angeles Times. Previously, she was Arizona bureau chief and a national correspondent for The Times, focusing on border and immigration issues in the Southwest. A Los Angeles native, she has reported in Argentina and Mexico during her time as an...
[/home.vsubh.Downloads/solt-6.5.0bw4data/305699df03.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/305699df03.html)
- Title: Signing Trust Act is another illegal immigration initiative for Brown - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-signing-trust-act-20170106-story.html>
Desc: With Washington waffling on immigration, California's legislature and governor says of bills to protect those here illegally.
[/home.vsubh.Downloads/solt-6.5.0bw4data/f56429b9-9eb6-4x27-8af3-230bed7573c.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/f56429b9-9eb6-4x27-8af3-230bed7573c.html)
- Title: I left my career in the table and took off running - Cindy Carcamo remembers the workplace raids of the 1980s - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-signing-trust-act-20170106-story.html>
Desc: As President-elect Donald J. Trump prepares to take the oath of office, immigrants in California without legal status fear immigration raids of the 80s may return.
[/home.vsubh.Downloads/solt-6.5.0bw4data/0563f5f5-5d23-4dc5-aee-16f1bb8875.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/0563f5f5-5d23-4dc5-aee-16f1bb8875.html)
- Title: 40 on 40 - LA Times
Link: <http://www.latimes.com/la-new/40n40-story.html>
Desc: Forty prominent Angelenos and Southern Californians sound off about policing, illegal immigrants and the LAPD.
[/home.vsubh.Downloads/solt-6.5.0bw4data/67b30c42-bc8b-4bc3-3-5a-8bcfdaf51c6b.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/67b30c42-bc8b-4bc3-3-5a-8bcfdaf51c6b.html)
- Title: The man behind Manover - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-0815-manover-20100814-story.html>
Desc: Costa Mesa mayor is known for his stand once he sought office, immigrating to California without legal status fear immigrations raids of the 80s may return.
[/home.vsubh.Downloads/solt-6.5.0bw4data/98738eb-5962-4fa5-81ea-7ff60f17942.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/98738eb-5962-4fa5-81ea-7ff60f17942.html)

Donald Trump

The screenshot shows a Microsoft Edge browser window with the URL localhost:8080 in the address bar. The search term 'Donald Trump' is entered in the search field. The results page displays a list of news articles and links from various sources, including the LA Times, regarding Donald Trump's inauguration and political activities.

- Title: President-Elect Donald Trump Holds Meetings At Trump Tower - LA Times
Link: <http://www.latimes.com/nation/la-president-elect-donald-trump-holds-meetings-at-trump-tower-20161207-photo.html>
Desc: Oklahoma Atty. Gen. Scott Pruitt, Donald Trump's choice to lead the Environmental Protection Agency, will face his first confirmation hearing Wednesday.
[/home.vsubh.Downloads/solt-6.5.0bw4data/zae10264b-4e21-4d63-3-504-0487a97c43.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/zae10264b-4e21-4d63-3-504-0487a97c43.html)
- + Title: The inauguration of Donald Trump - LA Times
Link: <http://www.latimes.com/vault/photography/la-na-pol-the-inauguration-of-donald-trump-pho-074-photo.html>
Desc: Vice President Michael Pence and his wife Karen Pence, left, with President Donald Trump and his wife first lady Melania Trump dance at the Liberty Ball.
[/home.vsubh.Downloads/solt-6.5.0bw4data/2a7f5261-1-13-4f01-85f1-68bf1f059677.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/2a7f5261-1-13-4f01-85f1-68bf1f059677.html)
- Title: The inauguration of Donald Trump - LA Times
Link: <http://www.latimes.com/vault/photography/la-na-pol-the-inauguration-of-donald-trump-photo-photo-gallery.html>
Desc: None
[/home.vsubh.Downloads/solt-6.5.0bw4data/0a8bd95-589x-45db-9a2-71deb730423.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/0a8bd95-589x-45db-9a2-71deb730423.html)
- Title: The inauguration of Donald Trump - LA Times
Link: <http://www.latimes.com/vault/photography/la-na-pol-the-inauguration-of-donald-trump-pho-043-photo.html>
Desc: Vice President-elect Mike Pence, left, applauds as President-elect Donald Trump waves to the crowd as he arrives on the platform at the U.S. Capitol.
[/home.vsubh.Downloads/solt-6.5.0bw4data/00016384-06e8-46f1-1-480-68bf1f13aa51.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/00016384-06e8-46f1-1-480-68bf1f13aa51.html)
- Title: The inauguration of Donald Trump - LA Times
Link: <http://www.latimes.com/vault/photography/la-na-pol-the-inauguration-of-donald-trump-pho-051-photo.html>
Desc: President-elect Donald Trump and First Lady Melania Trump, right, wave to the inauguration of Donald Trump.
[/home.vsubh.Downloads/solt-6.5.0bw4data/0190a8-6153-4d75-324-0152c2804b.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/0190a8-6153-4d75-324-0152c2804b.html)
- Title: John Oliver takes on Donald Trump, First Lady Melania Trump, and their spouses wave to the inauguration of Donald Trump - LA Times
Link: <http://www.latimes.com/entertainment/television/latshow/la-ent-latshow-080907-1572.html>
Desc: John Oliver discusses Donald Trump and First Lady Melania Trump on "Last Week Tonight." Be warned: It includes some strong language.
[/home.vsubh.Downloads/solt-6.5.0bw4data/08c52ab-1243-4bc8-895c-b31395a5930.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/08c52ab-1243-4bc8-895c-b31395a5930.html)
- Title: The inauguration of Donald Trump - LA Times
Link: <http://www.latimes.com/vault/photography/la-na-pol-the-inauguration-of-donald-trump-pho-027-photo.html>
Desc: President Barack Obama and First Lady Michelle Obama watch as President-elect Donald Trump's motorcade arrives at the White House prior to his inauguration.
[/home.vsubh.Downloads/solt-6.5.0bw4data/5eab0087-1012-49c6-b612-2ad66236919d.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/5eab0087-1012-49c6-b612-2ad66236919d.html)
- Title: Fact Check: Donald Trump falsely claims he was endorsed by ICE - LA Times
Link: <http://www.latimes.com/nation/91674552-132.html>
Desc: Fact Check: Donald Trump falsely claims he was endorsed by ICE
[/home.vsubh.Downloads/solt-6.5.0bw4data/1713486-3658-44ba-8995-77fe330d35b.html](http://home.vsubh.Downloads/solt-6.5.0bw4data/1713486-3658-44ba-8995-77fe330d35b.html)

Russia

The screenshot shows a Microsoft Edge browser window with the URL 'localhost:8080'. The search bar contains 'Russia'. Below the search bar is a dropdown menu with options: 'Default' and 'PageRank'. The main content area displays a list of news articles from various sources, primarily from The LA Times, about Russia's actions in Ukraine and its international relations.

- Title: Russia bans food imports from U.S., European Union - LA Times
Link: <http://www.latimes.com/world/europe/la-sl26881-132.html>
Desc: The Obama administration says Moscow's ban on certain food imports from the West amounts to a "cruel irony" that will only limit Russian consumers' access to a major part of their food supply.
/home/vsah/Downloads/solt-6.5.0/wv4data/012ac62-1c1-477b-8885-595848909085.html
- + Title: Russia and Western nations staging rival air combat exercises - LA Times
Link: <http://www.latimes.com/world/europe/la-sl26881-132.html>
Desc: Russia staging massive air combat exercises, NATO and European states launch rival drills over the Arctic
/home/vsah/Downloads/solt-6.5.0/wv4data/1b04ab-3b6e-45bf-a1ae-c66731790fc.html
- Title: Ukraine's president takes refuge in Russia - LA Times
Link: <http://www.latimes.com/vault/video/79460933-132.html>
Desc: Former Ukrainian President Viktor Yanukovich has now turned to Russia for protection but that he remains the legitimate leader of Ukraine.
/home/vsah/Downloads/solt-6.5.0/wv4data/0d09ce-6004-4b6c-ac64-7392e0a735a9.html
- Title: Obama, Hollande want Russia, Turkey to avoid escalation - LA Times
Link: <http://www.latimes.com/vault/video/85138845-157.html>
Desc: U.S. President Obama and French President Francois Hollande agree it is important for Turkey and Russia to avoid further escalation, after Turkey shot down a Russian plane. Nov. 24, 2015. (Reuters)
/home/vsah/Downloads/solt-6.5.0/wv4data/28471b64-1b8e-4762-9308-fcc0909d436.html
- Title: Press conference of former Ukrainian president - LA Times
Link: <http://www.latimes.com/world/worldnow/la-sl-ws-ukraine-russia-yanukovich-20140228-002-photo.html>
Desc: Deposed Ukrainian President Viktor Yanukovich speaks Friday during his news conference in Rostov, Russia.
/home/vsah/Downloads/solt-6.5.0/wv4data/2217c748-4337-4142-8367-419c929593d7.html
- Title: Russia brands U.S. democracy-promoting group 'undesirable' - LA Times
Link: <http://www.latimes.com/world/europe/la-sl-usa-democracy-promotion-20140729-story.html>
Desc: A Russian government label the American Foundation for Democracy "undesirable", invoking a new law
/home/vsah/Downloads/solt-6.5.0/wv4data/8ed3175-70f5-4465-bcad-ec42a7e6b7e.html
- Title: Ukraine crisis - LA Times
Link: <http://www.latimes.com/world/europe/la-sl-ukraine-russia-fighting-20150630-001-photo.html>
Desc: A Russian government in eastern Ukraine impacts damage to an apartment house after artillery exchanges between Russia-backed separatists and Ukrainian government troops on June 30, 2015.
/home/vsah/Downloads/solt-6.5.0/wv4data/03302469-11ef-442a-a048-411233509096.html
- Title: Russia to hold military exercises amid Ukraine tension - LA Times
Link: <http://www.latimes.com/world/europe/la-sl-ukraine-russia-gibis-20140924-132.html>
Desc: Russian President Vladimir Putin today ordered the country's military to conduct troop exercises amid growing tension with neighboring Ukraine.
/home/vsah/Downloads/solt-6.5.0/wv4data/5af92b2b-605f-4c2d-9346-6083e73faa.html
- Title: Ukraine says deal has been reached with Russia to free jailed pilot - LA Times
Link: <http://www.latimes.com/world/europe/la-sl-ukraine-russia-gibis-20140924-132.html>
Desc: Ukraine and Russia have reached a deal to free jailed Ukrainian pilot Nadezhda Savchenko, President Petro Poroshenko said
/home/vsah/Downloads/solt-6.5.0/wv4data/a394ec9e-fd3a-468d-89b3-3c711a0981.html
- Title: Russia protest - LA Times
Link: <http://www.latimes.com/la-fg-russia-protest-picture-photogallery.html>
Desc: In the wake of disputed parliamentary elections, tens of thousands of protesters join forces in the largest Moscow rally since the collapse of the Soviet Union. Story
/home/vsah/Downloads/solt-6.5.0/wv4data/060919b4-4024-4268-9f6d-4259e7c73c18.html

NASA

The screenshot shows a Microsoft Edge browser window with the URL 'localhost:8080'. The search bar contains 'NASA'. Below the search bar is a dropdown menu with options: 'Default' and 'PageRank'. The main content area displays a list of news articles from various sources, primarily from The LA Times, about NASA's space exploration and scientific discoveries.

- Title: NASA astronaut Scott Kelly in Twins Study with brother Mark Kelly - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: NASA astronaut Scott Kelly gives himself a sun shot as part of research on the immune system. Scientists are studying Kelly and his twin brother, retired astronaut Mark Kelly, for insight into the long-term effects of living in space.
/home/vsah/Downloads/solt-6.5.0/wv4data/95d3041-9c33-442e-8875-7106c51663d9.html
- + Title: NASA launches rocket with satellite to track climate change - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: NASA launches rocket with satellite to track climate change.
/home/vsah/Downloads/solt-6.5.0/wv4data/5fe5ea5-ccce-4965-98cd-7a78e311cf1f.html
- Title: Big mission to dwarf planet - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: We talk with NASA about its most recent success: The Dawn spacecraft successfully entered into orbit around Ceres, fulfilling the first NASA mission to visit a dwarf planet, and the first to visit two distinct bodies in the solar system.
/home/vsah/Downloads/solt-6.5.0/wv4data/0592697-32ca-4b8d-a6f0-2e5b0803e589.html
- Title: Charles Bolden Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Charles Bolden
/home/vsah/Downloads/solt-6.5.0/wv4data/03486ed-6192-4f59-a43b-99e4bf83524.html
- Title: Live discussion: Orbiting Ceres - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: We talk with NASA about its most recent success: The Dawn spacecraft successfully entered into orbit around Ceres, fulfilling the first NASA mission to visit a dwarf planet, and the first to visit two distinct bodies in the solar system.
/home/vsah/Downloads/solt-6.5.0/wv4data/22a02d40-1d4b-4b8b-acbd-390534d54.html
- Title: NASA launches Microsoft's Hololens into space - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: Microsoft's Hololens goggles could help the International Space Station crew to make repairs and conduct experiments.
/home/vsah/Downloads/solt-6.5.0/wv4data/052589e7-d44b-4415-8884-67e5f5084896.html
- Title: Yes, Virginia, you can see Christmas lights from space - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: Scientists at NASA have analyzed satellite data and determined that America's holiday lights really are visible from space. They also say that nighttime light is 50% brighter in the Middle East during the Muslim holy month of Ramadan.
/home/vsah/Downloads/solt-6.5.0/wv4data/51f2a85d-11d3-44ff-9344-f12a8863390.html
- Title: NASA's saucer-shaped experimental flight vehicle is prepared for a Range Compatibility Test at the U.S. Navy's Pacific Missile Range Facility in Kauai, Hawaii - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: NASA's saucer-shaped experimental flight vehicle is prepared for a Range Compatibility Test at the U.S. Navy's Pacific Missile Range Facility in Kauai, Hawaii.
/home/vsah/Downloads/solt-6.5.0/wv4data/b77fb7b7-0743-4165-8f5f-4c5d7cfc339.html
- Title: NASA Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about NASA
/home/vsah/Downloads/solt-6.5.0/wv4data/0a145730-9575-42ca-8c65-cb765cf84012.html
- Title: What are the long-term health effects of living in space? NASA is studying twin Mark and Scott Kelly to find out - LA Times
Link: <http://www.latimes.com/science/science/la-sci-nasa-mark-kelly-nasa-tw-study-ast-001-photo.html>
Desc: A look at NASA's unusual twin study involving astronauts Mark and Scott Kelly.
/home/vsah/Downloads/solt-6.5.0/wv4data/3750678-e044-4af4-928e-6b43a331cfce.html

QUERY RESULTS PAGE RANK

Brexit

localhost:8080

Brexit Search

- Default # PageRank
- Title: European Union Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about European Union
[/home/vsah/Downloads/solr-6.5.0/bw4data/3b03e69-3c9a-420b-8ff6-e09c14d662b9.html](#)
- + Title: EUROPE - Los Angeles Times
Link: None
Desc: Breaking news and reporting from our European bureaus. Find what's happening overseas here.
[/home/vsah/Downloads/solr-6.5.0/bw4data/29f13ba5-53be-4ce0-9536-64b96fa324e5.html](#)
- Title: John Kerry Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about John Kerry
[/home/vsah/Downloads/solr-6.5.0/bw4data/0881192a-2882-48ca-98f9-547123a35a47.html](#)
- Title: Theater Reviews - Los Angeles Times
Link: None
Desc: Comprehensive coverage of Los Angeles theater reviews and dance productions. Read play reviews from the L.A. Times.
[/home/vsah/Downloads/solr-6.5.0/bw4data/37c7a97-2752-4df5-94bf-e33badfa3b50.html](#)
- Title: Updates on California politics: Lawmakers send gun measures to Gov. Brown, initiative on parole overhaul makes the Nov. 8 ballot - LA Times
Link: http://www.latimes.com/politics/la-pol-sac-essential-politics_20160901-ambition.html
Desc: Updates on California politics: Lawmakers send gun measures to Gov. Brown, initiative on parole overhaul makes the Nov. 8 ballot June 30, 2016, 5:45 p.m. Welcome to Essential Politics, our daily feed on California government and politics news. Here's what we're watching: Legislators sent Gov. Jerry...
[/home/vsah/Downloads/solr-6.5.0/bw4data/34d639a9-83db-4800-accb-38873f521b93.html](#)
- Title: Brandpoint - Travel - Los Angeles Times
Link: None
Desc: None
[/home/vsah/Downloads/solr-6.5.0/bw4data/460edc6c-8115-4272-8348-639429b6e347.html](#)
- Title: Kyle Kim - LA Times
Link: <http://www.latimes.com/la-bio-kyle-kim-staff.html>
Desc: Kyle Kim is a graphics and data journalist for the Los Angeles Times. Previously, Kyle braved the long New England winters as deputy news and social media editor for GlobalPost. He's a self-admitted Swedophile, resident tortured artist, and Sriracha-obsessed.
[/home/vsah/Downloads/solr-6.5.0/bw4data/74f373c-e646-434f-87c8-2e32ad438eb2.html](#)
- Title: Peter Capaldi Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Peter Capaldi
[/home/vsah/Downloads/solr-6.5.0/bw4data/3dd3eb29-09e6-4b64-8a4e-01660ed9496.html](#)
- Title: Christopher Knight Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Christopher Knight
[/home/vsah/Downloads/solr-6.5.0/bw4data/3dd3eb29-09e6-4b64-8a4e-01660ed9496.html](#)
- Title: Brexit Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Brexit
[/home/vsah/Downloads/solr-6.5.0/bw4data/39a7634a-1998-45a7-8ec0-4cd6b636a1c.html](#)

NASDAQ

localhost:8080

NASDAQ Search

- Default # PageRank
- Title: Jobs - Los Angeles Times
Link: None
Desc: News and commentary on the state of the job market in California and beyond. Get economic forecasts, job trends, career changes, unemployment and more.
[/home/vsah/Downloads/solr-6.5.0/bw4data/38480225-4963-4883-9a2a-58a20f79a47.html](#)
- + Title: Real Estate News - Los Angeles Times
Link: None
Desc: Real estate news for Los Angeles, Southern California and beyond, including Hot Property (celebrity homes), home tours, and more.
[/home/vsah/Downloads/solr-6.5.0/bw4data/04ef429b-7b8d-45a1-ab22-c172a547b205.html](#)
- Title: Warren Buffet Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Warren Buffet
[/home/vsah/Downloads/solr-6.5.0/bw4data/945803e3-32c7-4912-95db-0caaced04dd8.html](#)
- Title: North American Free Trade Agreement Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about North American Free Trade Agreement
[/home/vsah/Downloads/solr-6.5.0/bw4data/29114802-209c-497a-b614-157052c0d094.html](#)
- Title: Janet Yellen Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Janet Yellen
[/home/vsah/Downloads/solr-6.5.0/bw4data/3b05c66-1ee-4032-9ecf-965c90856a3c.html](#)
- Title: Federal Reserve Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Federal Reserve
[/home/vsah/Downloads/solr-6.5.0/bw4data/b797b4fc-f1f1-441c-9fef-1c5502936916.html](#)
- Title: Berkshire Hathaway Inc. Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Berkshire Hathaway Inc.
[/home/vsah/Downloads/solr-6.5.0/bw4data/2f14511-026d-4877-95ba-822a7dfe404.html](#)
- Title: Alibaba Group Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Alibaba Group
[/home/vsah/Downloads/solr-6.5.0/bw4data/0f5d06c6-6a1f-412b-8044-3257e1d7acaf.html](#)
- Title: Larry Page Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Larry Page
[/home/vsah/Downloads/solr-6.5.0/bw4data/975040b-d85f-4054-b3bb-8987d5928483.html](#)
- Title: Wells Fargo Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Wells Fargo
[/home/vsah/Downloads/solr-6.5.0/bw4data/442534ed-69dc-42a8-81b6-6ab64ae2f30b.html](#)

NBA

localhost:8080

NBA Search

Default * PageRank

- Title: Los Angeles Times - California, national and world news - Los Angeles Times
Link: None
Desc: The LA Times is a leading source of breaking news, entertainment, sports, politics, and more for Southern California and the world.
[/home/vsah/Downloads/solt-6.5.0/hw4data/360402ba-6653-40eb-b9e0-103f623d1c80.html](#)
- + Title: Lakers News - Los Angeles Times
Link: None
Desc: Round-the-clock Los Angeles Lakers news from our award-winning L.A. Times sportswriters. Find game times, scores, player information and rankings here.
[/home/vsah/Downloads/solt-6.5.0/hw4data/2a52c173-9a49-49b1-b5d2-c58aae3b80.html](#)
- Title: Sports - Los Angeles Times
Link: None
Desc: National and local sports news covering the NBA, NFL, MLB, NHL, as well as college and high school sports teams. Up-to-date score and live reporting.
[/home/vsah/Downloads/solt-6.5.0/hw4data/54bced-f90f-4cab-a15e-450a2f8a469a.html](#)
- Title: Dodgers News - Los Angeles Times
Link: None
Desc: L.A. Dodgers news, scores, analysis and opinion from the Los Angeles Times.
[/home/vsah/Downloads/solt-6.5.0/hw4data/19621a48-27c8-4533-83d2-2bc446cb1ce.html](#)
- Title: Television News - Los Angeles Times
Link: None
Desc: Comprehensive television news coverage -- from talk to reality and network to streaming. Reviews, gossip and more from the L.A. Times.
[/home/vsah/Downloads/solt-6.5.0/hw4data/00271676-60f4-4309-b5fb-b90361cea10.html](#)
- Title: L.A. Rams News - Los Angeles Times
Link: None
Desc: L.A. Rams news and more NFL news from the Los Angeles Times.
[/home/vsah/Downloads/solt-6.5.0/hw4data/95ee3a5c-e5d4-463-914d-b4335e7ca2e.html](#)
- Title: Clippers News - Los Angeles Times
Link: None
Desc: Clippers news from the Los Angeles Times. View L.A. Clippers news, photo galleries, videos, popular stories and more.
[/home/vsah/Downloads/solt-6.5.0/hw4data/68be27e2-4e3d-4779-969-773356be0b5.html](#)
- Title: USC - Los Angeles Times
Link: None
Desc: All things Trojan sports, including USC baseball, basketball and football. Information on game times, players and rankings.
[/home/vsah/Downloads/solt-6.5.0/hw4data/9ea026-9f52-4ed2-8161-453e52da7c2.html](#)
- Title: UCLA - Los Angeles Times
Link: None
Desc: UCLA sports news including Bruin baseball, basketball and football. Check scores and game times here.
[/home/vsah/Downloads/solt-6.5.0/hw4data/bda5bec2-0f66-44a1-94e7-abefaa2122ae.html](#)
- Title: L.A. Chargers News - Los Angeles Times
Link: None
Desc: Read L.A. Chargers news from the Los Angeles Times.
[/home/vsah/Downloads/solt-6.5.0/hw4data/5b0b0e9-ec9-4922-9dee-bfedae155138.html](#)

Snapchat

localhost:8080

Snapchat Search

Default * PageRank

- Title: Los Angeles Times - California, national and world news - Los Angeles Times
Link: None
Desc: The LA Times is a leading source of breaking news, entertainment, sports, politics, and more for Southern California and the world.
[/home/vsah/Downloads/solt-6.5.0/hw4data/360402ba-6653-40eb-b9e0-103f623d1c80.html](#)
- + Title: Television News - Los Angeles Times
Link: None
Desc: Comprehensive television news coverage -- from talk to reality and network to streaming. Reviews, gossip and more from the L.A. Times.
[/home/vsah/Downloads/solt-6.5.0/hw4data/00271676-60f4-4309-b5fb-b90361cea10.html](#)
- Title: Music News - Los Angeles Times
Link: None
Desc: Read music news, album and concert reviews, interviews and music award coverage from award-winning journalists. Get the latest pop music news from the L.A. Times.
[/home/vsah/Downloads/solt-6.5.0/hw4data/4c3772a-d982-4348-947a-4b6ed5ce2ad.html](#)
- Title: Business News - Los Angeles Times
Link: None
Desc: National and international business news. Find stock updates, the latest trends in technology, real estate news and the latest on the economy.
[/home/vsah/Downloads/solt-6.5.0/hw4data/820f523b-54-4684-ba03-456f1192a2f22.html](#)
- Title: Op-Ed - Los Angeles Times
Link: None
Desc: In-depth commentary, news analysis, opinion and essays on the most talked-about topics in the Southland and beyond.
[/home/vsah/Downloads/solt-6.5.0/hw4data/65404088-b665-4ab8-a411-b82b6cc212e.html](#)
- Title: Michael Hiltzik - Los Angeles Times
Link: None
Desc: Columnist Michael Hiltzik talks money, investing, the stock market, economy and the intersection of business and politics. Read Michael Hiltzik columns here.
[/home/vsah/Downloads/solt-6.5.0/hw4data/38ca797-72c3-40f1-a809-950d37946971.html](#)
- Title: Opinion - Los Angeles Times
Link: None
Desc: Editorials, opinion and cartoons brought to you by our award-winning journalists. Read analysis and opinion on hot-button issues.
[/home/vsah/Downloads/solt-6.5.0/hw4data/45c5a4b-44b1-471-9f09-9377253d478.html](#)
- Title: Consumer Confidential with David Lazarus - Los Angeles Times
Link: None
Desc: Consumer Confidential with David Lazarus sheds light on privacy matters, healthcare, bank practices and business activities that put consumers at a disadvantage.
[/home/vsah/Downloads/solt-6.5.0/hw4data/951030-c19-4560-a50-2a76569f52c8.html](#)
- Title: Jobs - Los Angeles Times
Link: None
Desc: News and commentary on the state of the job market in California and beyond. Get economic forecasts, job trends, career changes, unemployment and more.
[/home/vsah/Downloads/solt-6.5.0/hw4data/4840f0225-09b3-4803-9a2a-5b420f7a9f7.html](#)
- Title: Movie Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about Movies
[/home/vsah/Downloads/solt-6.5.0/hw4data/0fd1c9fd-35ff-45d3-9b3d-5e9de04a4f38.html](#)

Illegal Immigration

The screenshot shows a Microsoft Edge browser window with the URL localhost:8080 in the address bar. The search term "Illegal Immigration" is entered in the search field. The results page displays a list of news articles from various sources, primarily the Los Angeles Times, about illegal immigration. The articles cover topics such as the Oroville Dam, Russia's denial of intelligence agents, and the pastor of the Bible Belt church. The browser interface includes a sidebar with pinned sites like Homework4.pdf and HW4GradingGuidelines.pdf, and a status bar at the bottom right indicating 90% zoom.

Donald Trump

The screenshot shows a Microsoft Edge browser window with the URL localhost:8080 in the address bar. The search term "Donald Trump" is entered in the search field. The results page displays a list of news articles from various sources, primarily the Los Angeles Times, about Donald Trump. The articles cover topics such as the Oroville Dam, the friend who supplied rifles to San Bernardino terrorists, and the entertainment news from Hollywood. The browser interface includes a sidebar with pinned sites like Homework4.pdf and HW4GradingGuidelines.pdf, and a status bar at the bottom right indicating 90% zoom.

Russia

localhost:8080

Russia [Search]

Default * PageRank

Title: Los Angeles Times - California, national and world news - Los Angeles Times
Link: None
Desc: The LA Times is a leading source of breaking news, entertainment, sports, politics, and more for Southern California and the world.
[/home/vsah/Downloads/solt-6.5.0/bw4data/360402ba-6653-40eb-9e9d-103f62d3d1c80.html](#)

+ Title: Residents return, but Oroville Dam dangers remain as new storm approaches - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-in-normal-storms-20170214-story.html>
Desc: Residents return, but Oroville Dam dangers remain as new storm approaches
[/home/vsah/Downloads/solt-6.5.0/bw4data/69c414b-052d-40ba-9a22-25b71ea1ea.html](#)

Title: Friend who supplied rifles to San Bernardino terrorists agrees to plead guilty - LA Times
Link: <http://www.latimes.com/local/lanow/la-me-in-terro-plot-20170214-story.html>
Desc: The man accused of buying two of the weapons used in the 2015 San Bernardino terror attacks has agreed to plead guilty to conspiring to provide material support to terrorists.
[/home/vsah/Downloads/solt-6.5.0/bw4data/3b1ba1c5-17b4ba-ac03-6cf99670c5db.html](#)

Title: Russia denies that intelligence agents were in contact with Trump's campaign team - LA Times
Link: <http://www.latimes.com/politics/washington/la-na-essential-washington-spokes-russia-denies-that-intelligence-agents-1487166625.htmlstory.html>
Desc: Update on Lawmakers call for investigation into Flynn's contacts with Russia
[/home/vsah/Downloads/solt-6.5.0/bw4data/3a8402c-0401-4027-7bb6-564730366788.html](#)

Title: A pastor in the Bible Belt opened his church to refugees. Here's what happened - LA Times
Link: <http://www.latimes.com/nation/la-na-evangelical-refugees-20170215-story.html>
Desc: Evangelical pastor loses some of his Republican flock as his conservative Bible Belt church bucks Trump and brings in refugees.
[/home/vsah/Downloads/solt-6.5.0/bw4data/5623cfe6-6ead-41fe-a93d-3c9b4e6956.html](#)

Title: Lawmakers call for investigation into Flynn's contacts with Russia - LA Times
Link: <http://www.latimes.com/politics/washington/la-na-essential-washington-spokes-russia-denies-that-intelligence-agents-1487166625.htmlstory.html>
Desc: Lawmakers call for investigation into Flynn's contacts with Russia Feb. 15, 2017, 12:57 p.m. A look at President Trump's administration and the rest of Washington: Democrats push for an independent inquiry into White House ties with Russia White takes a step back from two-state solution in...
[/home/vsah/Downloads/solt-6.5.0/bw4data/3a8402c-0401-4027-7bb6-564730366788.html](#)

Title: Video - Los Angeles Times
Link: None
Desc: Video and shorts featuring breaking news, investigative journalism, interviews and more.
[/home/vsah/Downloads/solt-6.5.0/bw4data/38f007c9-307c-4eeb-b49f-2ba783efaf7.html](#)

Title: Trump national security advisor Michael Flynn resigns over contacts with Russia - LA Times
Link: <http://www.latimes.com/politics/la-na-pol-trumps-flynn-20170212-story.html>
Desc: President Trump is "evaluating the situation" with National Security Advisor Michael Flynn, spokesman Sean Spicer told reporters Monday.
[/home/vsah/Downloads/solt-6.5.0/bw4data/66340b5-a37a-449c-a032-6cb6b49c9ab57.html](#)

Title: Grade the president: Here's how you think President Trump is doing - Los Angeles Times
Link: <http://www.latimes.com/projects/grade-the-president>
Desc: Welcome back, graders. During President Trump's third week in office, the Senate confirmed Secretary of Education Betsy DeVos and Amy. Gen. Jeff Sessions, but Trump's travel ban remained blocked after a unanimous appeals court ruling. Then there was the whole episode involving Ivanka Trump and Nordstrom. Here's a recap if you missed any of the action. Times deputy editorial page editor Jon Healey gave Trump a "C." See what other people had to say by scrolling through the answers below, and come back Friday to weigh in on Trump's performance this week.
[/home/vsah/Downloads/solt-6.5.0/bw4data/66340b5-a37a-449c-a032-6cb6b49c9ab57.html](#)

Title: Politics - Los Angeles Times
Link: None
Desc: Essential political coverage from California and the presidential campaign, including in-depth commentary, analysis and election results.
[/home/vsah/Downloads/solt-6.5.0/bw4data/a152c5cc-f631-44f0-8043-3e71921353fd.html](#)

NASA

localhost:8080

NASA [Search]

Default * PageRank

Title: Entertainment News - Los Angeles Times
Link: None
Desc: L.A. Times entertainment news from Hollywood including event coverage, celebrity gossip and deals. View photo galleries, read TV and movie reviews and more.
[/home/vsah/Downloads/solt-6.5.0/bw4data/b187a58f-f205-450b-ae33-a68c25701171.html](#)

+ Title: Television News - Los Angeles Times
Link: None
Desc: Comprehensive television news coverage – from talk to reality and network to streaming. Reviews, gossip and more from the L.A. Times.
[/home/vsah/Downloads/solt-6.5.0/bw4data/80271676-60f4-4309-b5fb-b90361cea10.html](#)

Title: Movie News - Los Angeles Times
Link: None
Desc: Movie news and reviews covering everything from big-budget blockbusters to independent films.
[/home/vsah/Downloads/solt-6.5.0/bw4data/1ad969a-3e03-4885-85ff-71629d4d02a4.html](#)

Title: 21st Century Fox Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about 21st Century Fox
[/home/vsah/Downloads/solt-6.5.0/bw4data/3c4b33c-c34b-41a1-9158-9384cf1e1707.html](#)

Title: ABC Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about ABC
[/home/vsah/Downloads/solt-6.5.0/bw4data/bdd2ab43-3bf8-4689-b537-7bc26658186.html](#)

Title: Obituaries - Los Angeles Times
Link: None
Desc: Obituaries, dedications and death notices in the Los Angeles Times
[/home/vsah/Downloads/solt-6.5.0/bw4data/a30298c-b571-4944-970-5433307fae1.html](#)

Title: California Drought News - Los Angeles Times
Link: None
Desc: California drought news and El Niño articles from the Los Angeles Times
[/home/vsah/Downloads/solt-6.5.0/bw4data/6879008f-37e8-4fc5-9049-665b3691bd50.html](#)

Title: Science News - Los Angeles Times
Link: None
Desc: In-depth science news coverage of space exploration, medical science, climate change, technological breakthroughs and more.
[/home/vsah/Downloads/solt-6.5.0/bw4data/95104de5-1115-47c5-b565-c1a2449f437.html](#)

Title: NASA Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about NASA
[/home/vsah/Downloads/solt-6.5.0/bw4data/8a145730-9575-42ca-8c65-cb765cf84012.html](#)

Title: George Michael Articles, Photos, and Videos - Los Angeles Times
Link: None
Desc: News, Photos and Information about George Michael
[/home/vsah/Downloads/solt-6.5.0/bw4data/8ac9b670-ea2f-4b4f-b21a-1282660cf85b.html](#)