

Report

Steps

1. AutoComplete:

First I followed the tutorial of AutocompleteInSolr_V2.pdf to update the solrconfig.xml and tried to search for some incomplete terms on the Solr UI to check the functionality. Then I write the code to connect the Solr's autocomplete functionality to my project. I used javaScript combined with php to implement it.

2. SpellCorrector

I wrote a java program using TIKA to parse my html sources into big.txt and use it as the dictionary.

Then I included Norvig's SpellCorrector.php to my php code and use it to correct the query and echo suggestion if cannot find query in the dictionary.

3. Snippet

I insert php code in this part to search for the text content in the html file of the results, to find the first sentence that match the query. Then trim the sentence to less than 160 characters, echo under each results' links.

ScreenShots

AutoComplete:

A screenshot of a web browser showing a search interface. The search bar contains the text "app". To the right of the search bar, there is a dropdown menu displaying several suggestions: "app", "apps", "a.protocol", "application", and "appservices". Below the search bar, the word "Results" is followed by a list of items starting with "Did you".

A screenshot of a web browser showing a search interface. The search bar contains the text "calif". To the right of the search bar, there is a dropdown menu displaying several suggestions: "calif", "california", "cliff", and "california's". Below the search bar, the word "Results" is followed by a list of items starting with "1.". Item 1 is a link to a news article about Jony Ive's promotion at Apple. The snippet below the link describes how Jony Ive was promoted to chief design officer. Item 2 is a link to a news article about the iPhone 8 and iPhone 8 Plus. The snippet describes the phones as excellent. Item 3 is a link to a news article about the iPhone X. The snippet describes the iPhone X as Apple's latest attempt at a Samsung killer.

Search: ipho PageRank SUBMIT

Results

- 1. [iphone](#)
- [iphones](#)
- 1. [iphone8plus.jpg](#) *iners taking over Jony Ive's duties?*
[ipo](#) *m/story/tech/2015/05/26/jony-ive-apple-design/27947431/*
[ipod](#) */Users/jinqu/Desktop/572/HW4/USAToday/USAToday/93a4a7d6e60a377cab7208782f072f1990f681b4c9606dbf66cc60bd971c8718.html*
Apple Inc.'s Jony Ive was promoted to newly created position of chief design officer, handing off his day-to-day duties to two "long-time collaborators," the company said Monday. Ive has a reputation for
Snippet: ...apple designers taking over jony ive's duties?get the newslog in or subscribe to skipsign in with facebooksign in with googlesign in faq 20 share this story!let friends in your social network know what you are reading
aboutfacebookemailtwittergoogle+linkedinpinterestwho are the apple designers taking over jony ive's duties?apple inc.
- 2. [iPhone 8 and 8 Plus review: Excellent phone overshadowed by X](#)
<https://www.usatoday.com/story/tech/columnist/baig/2017/09/19/iphone-8-review-excellent-phone-forced-shadows-iphone-x/678817001/>
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/1a46c15c468959f39ba3a5ccf4702d1ba8a4c6a4796b901194a02a2eaab09fd7.html
The iPhone 8 and iPhone 8 Plus are excellent phones. They're just not X.
Snippet: ...apple special event at the steve jobs theatre on the apple park campus on september 12, 2017 in cupertino, calif.
- 3. [iPhone X is Apple's latest attempt at a Samsung killer.](#)
<https://www.usatoday.com/story/tech/2017/09/12/iphone-x-highlights-product-packed-event/640126001/>
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/edfaf3cbcc0edcc38f64aef63ab001743a670c1a585a58e1a86c1a9bb7857955.html
New corporate campus. New theater named after its iconic co-founder. New iPhones. New Apple Watch. New Apple TV.
Snippet: iPhone X is Apple's latest attempt at a Samsung killer.

Search: new PageRank SUBMIT

Results

- 1. [new](#)
- [network](#)
- 1. [news](#) *designers taking over Jony Ive's duties?*
[newsstand](#) *ay.com/story/tech/2015/05/26/jony-ive-apple-design/27947431/*
[now](#) */Users/jinqu/Desktop/572/HW4/USAToday/USAToday/93a4a7d6e60a377cab7208782f072f1990f681b4c9606dbf66cc60bd971c8718.html*
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Snippet: ...apple designers taking over jony ive's duties?get the newslog in or subscribe to skipsign in with facebooksign in with googlesign in faq 20 share this story!let friends in your social network know what you are reading
aboutfacebookemailtwittergoogle+linkedinpinterestwho are the apple designers taking over jony ive's duties?apple inc.
- 2. [iPhone 8 and 8 Plus review: Excellent phone overshadowed by X](#)
<https://www.usatoday.com/story/tech/columnist/baig/2017/09/19/iphone-8-review-excellent-phone-forced-shadows-iphone-x/678817001/>
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/1a46c15c468959f39ba3a5ccf4702d1ba8a4c6a4796b901194a02a2eaab09fd7.html
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Snippet: ...apple special event at the steve jobs theatre on the apple park campus on september 12, 2017 in cupertino, calif.
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<https://www.usatoday.com/story/tech/2017/09/12/iphone-x-highlights-product-packed-event/640126001/>
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/edfaf3cbcc0edcc38f64aef63ab001743a670c1a585a58e1a86c1a9bb7857955.html
New corporate campus. New theater named after its iconic co-founder. New iPhones. New Apple Watch. New Apple TV.
Snippet: iPhone X is Apple's latest attempt at a Samsung killer.

Search: ba PageRank SUBMIT

Results

1. [badge](#) [signers taking over Jony Ive's duties?](#)
[background](#) [com/story/tech/2015/05/26/jony-ive-apple-design/27947431/](#)
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/93a4a7d6e60a377cab7208782f072f1990f681b4c9606dbf66cc60bd971c8718.html
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Snippet: ...apple designers taking over jony ive's duties?get the newslog in or subscribe to skip sign in with facebook sign in with google sign in faq 20 share this story!let friends in your social network know what you are reading aboutfacebookemailtwittergoogle+linkedinpinterestwho are the apple designers taking over jony ive's duties?apple inc.

2. [iPhone 8 and 8 Plus review: Excellent phone overshadowed by X](#)
[https://www.usatoday.com/story/tech/columnist/baig/2017/09/19/iphone-8-review-excellent-phone-forced-shadows-iphone-x/678817001/](#)
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/1a46c15c468959f39ba3a5ccf4702d1ba8a4c6a4796b901194a02a2eaab09fd7.html
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3. [iPhone X is Apple's latest attempt at a Samsung killer.](#)
[https://www.usatoday.com/story/tech/2017/09/12/iphone-x-highlights-product-packed-event/640126001/](#)
/Users/jinqu/Desktop/572/HW4/USAToday/USAToday/edfaf3cbcc0edcc38f64aef63ab001743a670c1a585a58e1a86c1a9bb7857955.html
New corporate campus. New theater named after its iconic co-founder. New iPhones. New Apple Watch. New Apple TV.
Snippet: iPhone X is Apple's latest attempt at a Samsung killer.

SpellCorrect:

Search: iphome PageRank SUBMIT

Did you want to search: [iphone](#)

Results 0 – 0 of 0:

Solr Admin CSCI-572/IR Assign IR-Assessments/IR... CSCI-572-Informat CSCI-572-Informat Information-Retrieval Jin Qu's Search Eng PHP count() 函数 QU

localhost/index.php?q=apple

应用 其他 百度 淘宝 Gmail 云 亚马逊 Amazon Simon 爱奇艺 myUSC lynda den LeetCode Laicode CSCI 572 Home Page CSCI 572 一亩三分地 鸟人 Suggester | Apache... 其他书签

Search: PageRank

Did you want to search: [apple](#)

Results 0 – 0 of 0:

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localhost/index.php?q=ruowen

应用 其他 百度 淘宝 Gmail 云 亚马逊 Amazon Simon 爱奇艺 myUSC lynda den LeetCode Laicode CSCI 572 Home Page CSCI 572 一亩三分地 鸟人 Suggester | Apache... 其他书签

Search: PageRank

Did you want to search: [rowen](#)

Results 0 – 0 of 0:

Sol Admin CSCI-572/IR Assign IR-Assessments/IR... CSCI-572-Informat CSCI-572-Informat Information-Retrieval Jin Qu's Search Eng PHP count() 函数 QU

localhost/index.php?q=jinqu

应用 其他 百度 淘宝 Gmail 云 亚马逊 Amazon Simon 爱奇艺 myUSC lynda den LeetCode Laicode CSCI 572 Home Page CSCI 572 一亩三分地 鸟人 Suggester | Apache... 其他书签

Search: PageRank

Did you want to search: [jin](#)

Results 1 – 10 of 18517:

Sol Admin CSCI-572/IR Assign IR-Assessments/IR... CSCI-572-Informat CSCI-572-Informat Information-Retrieval Jin Qu's Search Eng PHP count() 函数 QU

localhost/index.php?q=zhibo

应用 其他 百度 淘宝 Gmail 云 亚马逊 Amazon Simon 爱奇艺 myUSC lynda den LeetCode Laicode CSCI 572 Home Page CSCI 572 一亩三分地 鸟人 Suggester | Apache... 其他书签

Search: PageRank

Did you want to search: [zibo](#)

Results 0 – 0 of 0: