CSCI572 Homework 4 Report
Name: Shurui Liu, 9999-9586-70

Spell Correction

Code: **SpellCorrector.php**

I downloaded this file from Norvig website and made some changes. I added an array that contains all the common stop words that have no use in **SpellCorrector.php**. So when this PHP file runs, the correction function will not include these common stop words.

AutoComplete

Code: **Solr suggest component**

In this part, we are asked to use the auto suggest component comes with Solr, which is the FuzzyLookupFactory. I made appropriate changes in this part of the code so that when I type in some words, the query will be separated by Solr by space, then return me some suggestions from the JS code.

Snippet

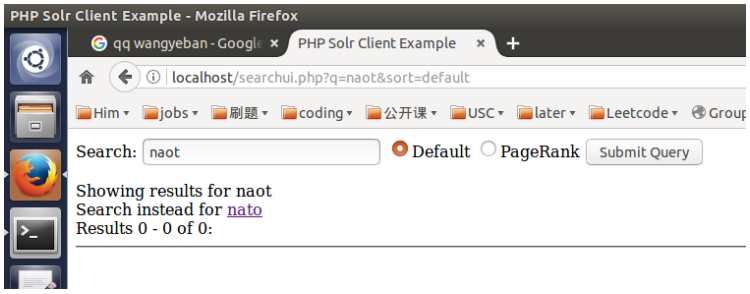
Code: **simple_html_dom.php**

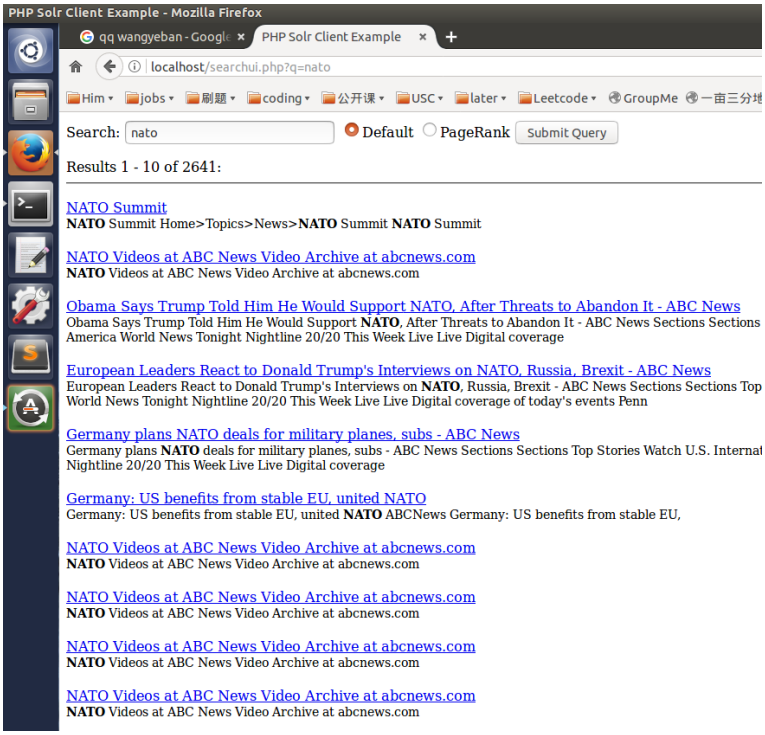
In this part, I write a simple PHP code that can parse all the HTML files. I generate the snippet by finding the searched word and added about ten words in front of the keyword and ten other words after the keyword. So the whole snippet is like

Xxxxxx (10 words in the front) + keyword + xxxxxx (10 words after the keyword)

Analysis of Result

1. Five examples of misspelled words. The examples also show what happens after clicking on the suggested link.

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Obama Says Trump Told Him He Would Support NATO, After Threats to Abandon It - ABC News
Obama Says Trump Told Him He Would Support NATO, After Threats to Abandon It - ABC News Sections Sections America World News Tonight Nightline 20/20 This Week Live Live Digital coverage
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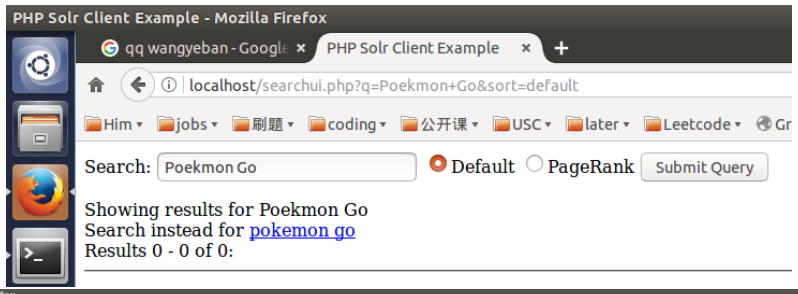
PHP Solr Client Example - Mozilla Firefox
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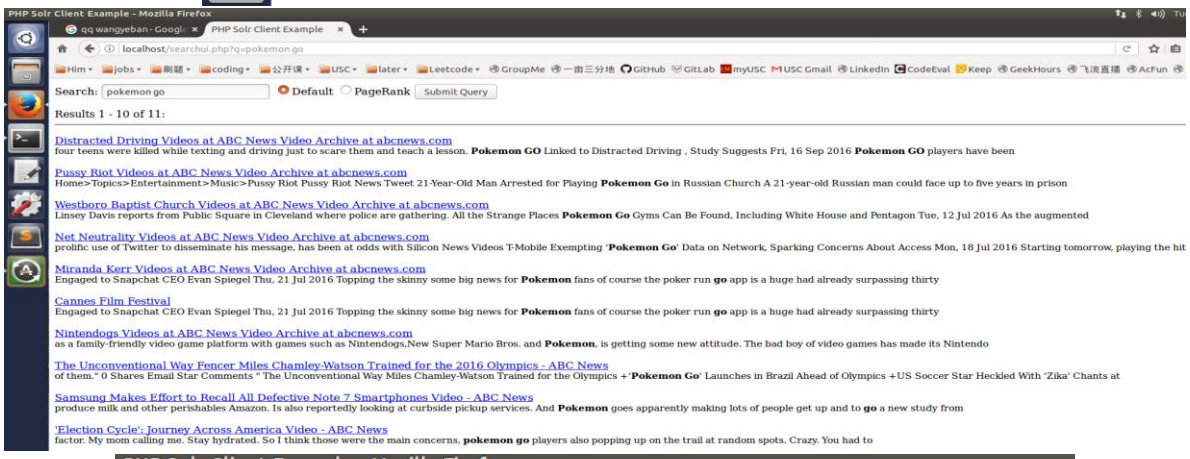
PHP Solr Client Example - Mozilla Firefox
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PHP Solr Client Example
localhost/searchui.php?q=pokemon go
Search: pokemon go
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four teens were killed while texting and driving just to scare them and teach a lesson. Pokemon GO Linked to Distracted Driving , Study Suggests Fri, 16 Sep 2016 Pokemon GO players have been
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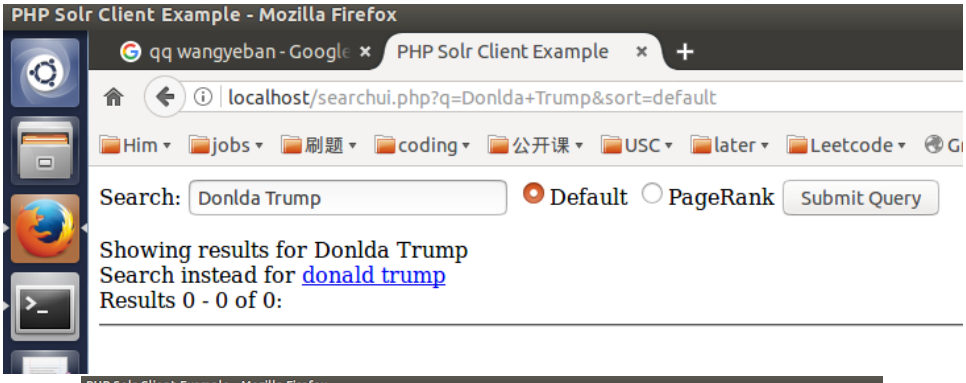
Cannes Film Festival
Engaged to Snapchat CEO Evan Spiegel Thu, 21 Jul 2016 Topping the skinny some big news for Pokemon fans of course the poker run go app is a huge had already surpassing thirty
Nintendogs Videos at ABC News Video Archive at abcnews.com
as a family-friendly video game platform with games such as Nintendogs,New Super Mario Bros. and Pokemon, is getting some new attitude. The bad boy of video games has made its Nintendo
The Unconventional Way Fencer Miles Chamley-Watson Trained for the 2016 Olympics - ABC News
of them." 0 Shares Email Star Comments " The Unconventional Way Miles Chamley-Watson Trained for the Olympics +'Pokemon Go' Launches in Brazil Ahead of Olympics +US Soccer Star Heckled With 'Zika' Chants at
Samsung Makes Effort to Recall All Defective Note 7 Smartphones Video - ABC News
produce milk and other perishables Amazon. Is also reportedly looking at curbside pickup services. And Pokemon goes apparently making lots of people get up and to go a new study from
'Election Cycle': Journey Across America Video - ABC News
factor: My mom calling me. Stay hydrated. So I think those were the main concerns, pokemon go players also popping up on the trail at random spots. Crazy. You had to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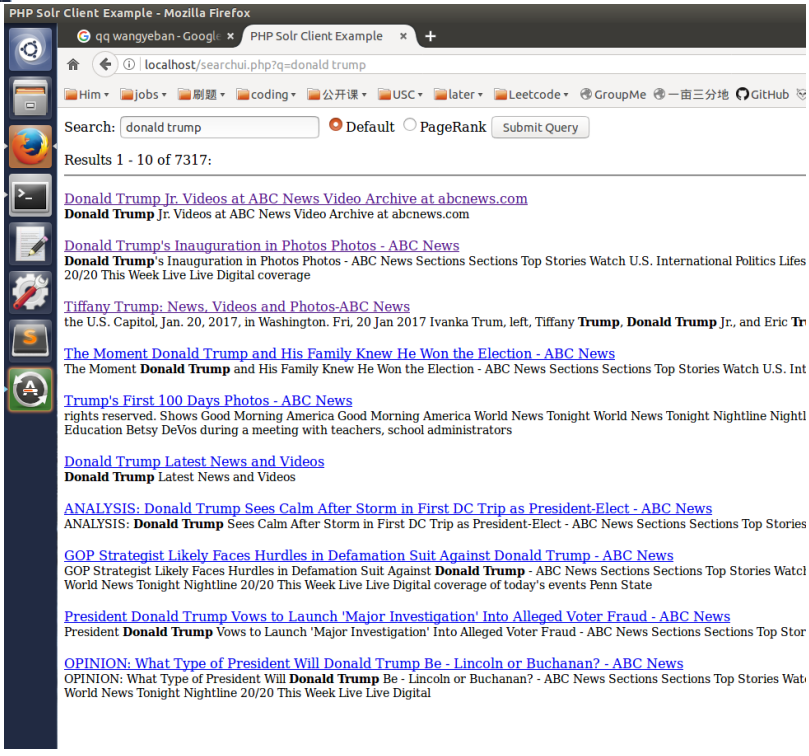
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Tiffany Trump: News, Videos and Photos-ABC News
the U.S. Capitol, Jan. 20, 2017, in Washington. Fri, 20 Jan 2017 Ivanka Trum, left, Tiffany Trump, Donald Trump Jr., and Eric Tr
The Moment Donald Trump and His Family Knew He Won the Election - ABC News
The Moment Donald Trump and His Family Knew He Won the Election - ABC News Sections Sections Top Stories Watch U.S. Int
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Education Betsy DeVos during a meeting with teachers, school administrators
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Donald Trump Latest News and Videos
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ANALYSIS: Donald Trump Sees Calm After Storm in First DC Trip as President-Elect - ABC News Sections Sections Top Stories
GOP Strategist Likely Faces Hurdles in Defamation Suit Against Donald Trump - ABC News
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President Donald Trump Vows to Launch 'Major Investigation' Into Alleged Voter Fraud - ABC News Sections Sections Top Stor
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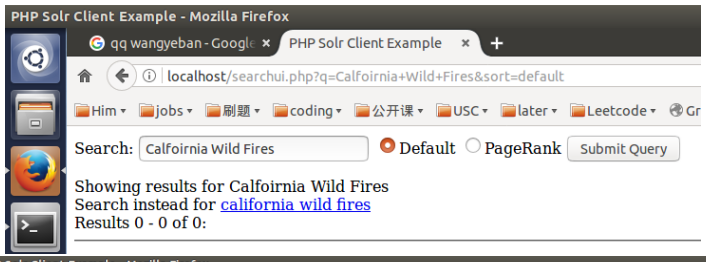
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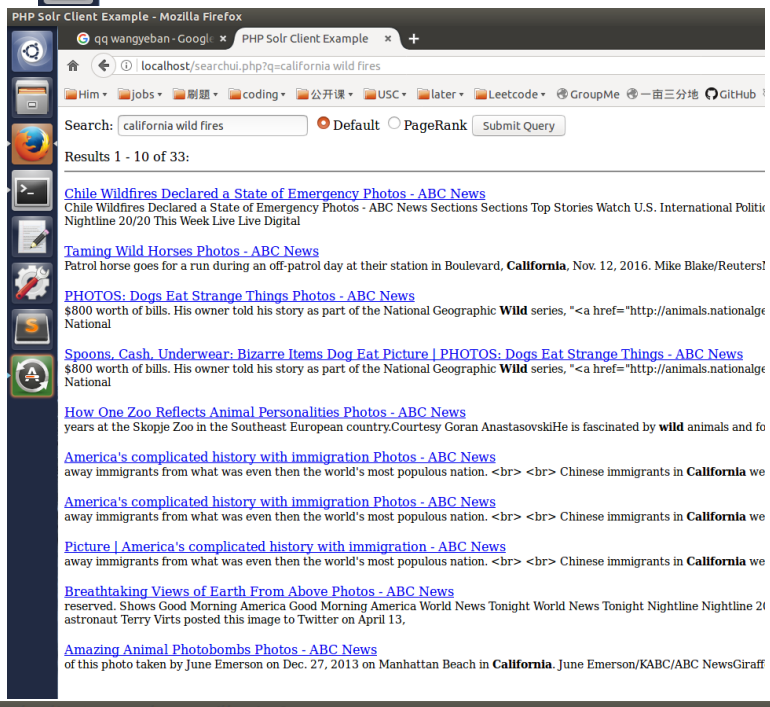
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Patrol horse goes for a run during an off-patrol day at their station in Boulevard, California, Nov. 12, 2016. Mike Blake/Reuters!
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$800 worth of bills. His owner told his story as part of the National Geographic Wild series, "<a href="http://animals.nationalge
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Spoons, Cash, Underwear: Bizarre Items Dog Eat Picture | PHOTOS: Dogs Eat Strange Things - ABC News
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National
How One Zoo Reflects Animal Personalities Photos - ABC News
years at the Skopje Zoo in the Southeast European country.Courtesy Goran AnastasovskiHe is fascinated by wild animals and fo
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away immigrants from what was even then the world's most populous nation.

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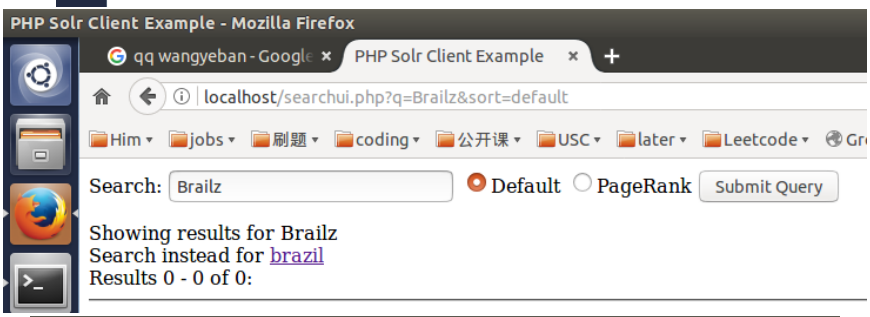
astronaut Terry Virts posted this image to Twitter on April 13,
Amazing Animal Photobombs Photos - ABC News
of this photo taken by June Emerson on Dec. 27, 2013 on Manhattan Beach in California. June Emerson/KABC/ABC NewsGiraff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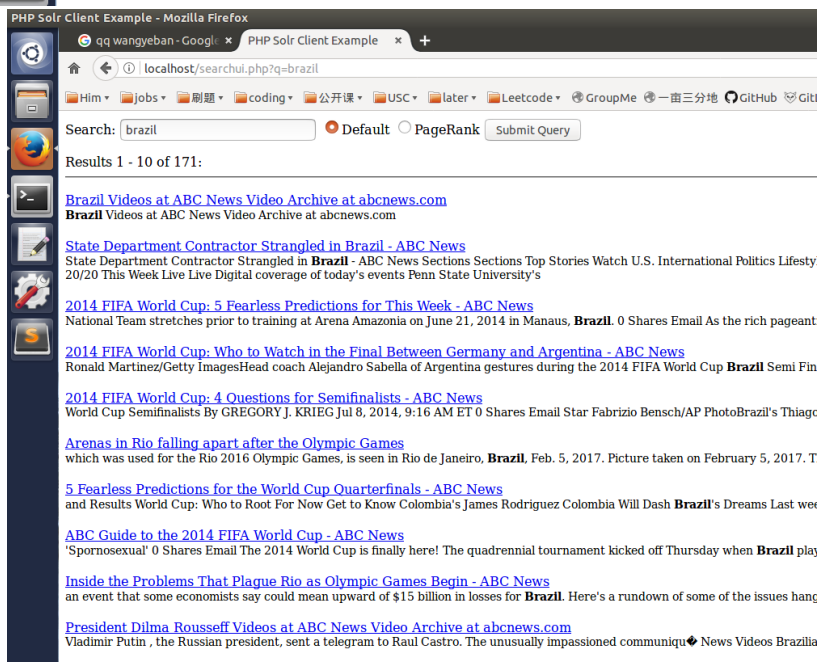
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National Team stretches prior to training at Arena Amazonia on June 21, 2014 in Manaus, Brazil. 0 Shares Email As the rich pageant
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Ronald Martinez/Getty ImagesHead coach Alejandro Sabella of Argentina gestures during the 2014 FIFA World Cup Brazil Semi Fin
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World Cup Semifinalists By GREGORY J. KRIEG Jul 8, 2014, 9:16 AM ET 0 Shares Email Star Fabrizio Bensch/AP PhotoBrazil's Thiago
Arenas in Rio falling apart after the Olympic Games
which was used for the Rio 2016 Olympic Games, is seen in Rio de Janeiro, Brazil, Feb. 5, 2017. Picture taken on February 5, 2017. T
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ABC Guide to the 2014 FIFA World Cup - ABC News
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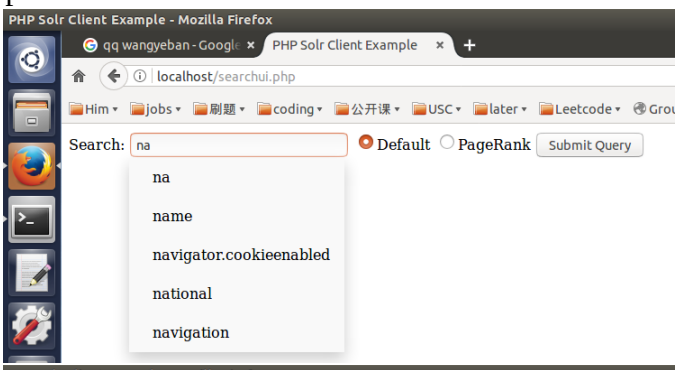
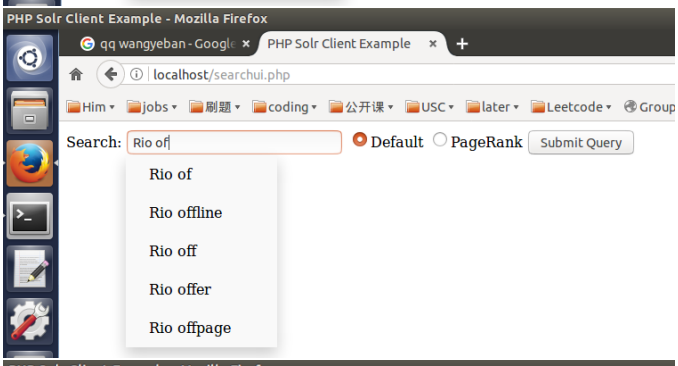
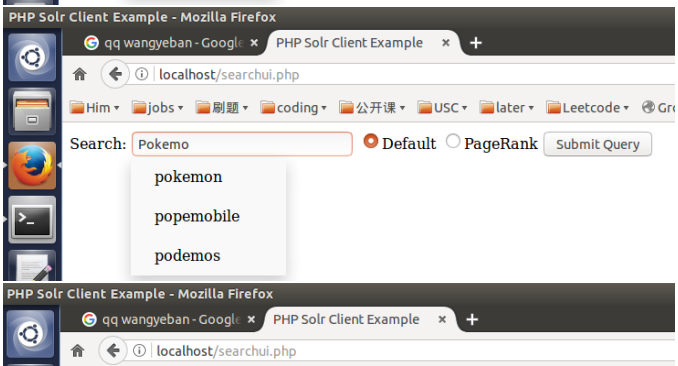
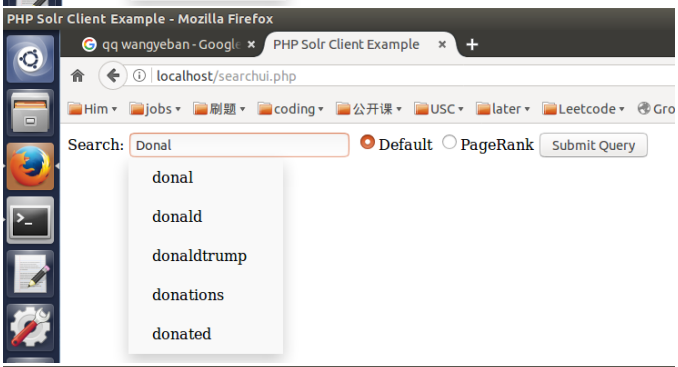
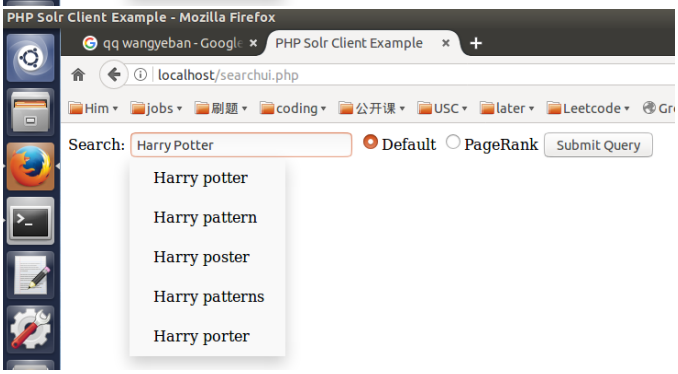
an event that some economists say could mean upward of $15 billion in losses for Brazil. Here's a rundown of some of the issues hang
President Dilma Rousseff Videos at ABC News Video Archive at abcnews.com
Vladimir Putin , the Russian president, sent a telegram to Raul Castro. The unusually impassioned communiqu News Videos Brazilia

2. Five examples of autocomplete