# **Final System Demo**

Group number: SE 5

Name: Zlhan Chen

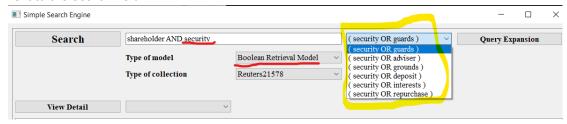
Student number: 8710479

Name: Junyang Wang Student number:7973053

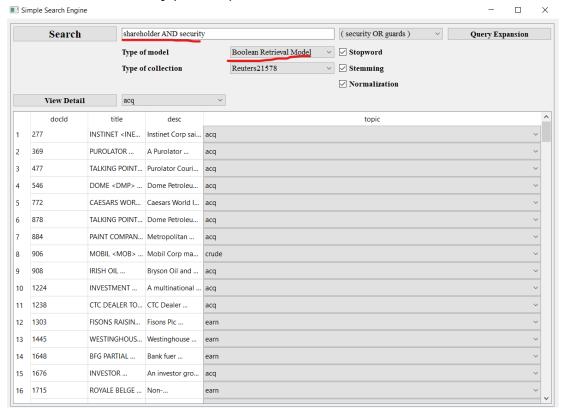
# shareholder AND security (Boolean)

#### shareholder AND security (Boolean) query completion:

Once the user types in a space in the search field, the search engine will start to find the query completion for the last word in the query, the result will be placed in the dropdown list next to the search field.

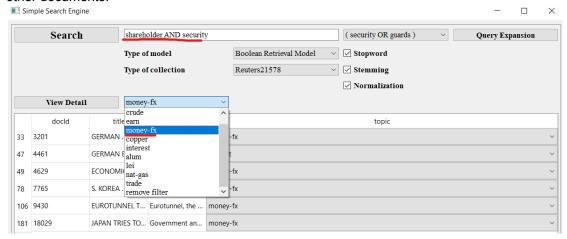


#### shareholder AND security (Boolean) Search result:

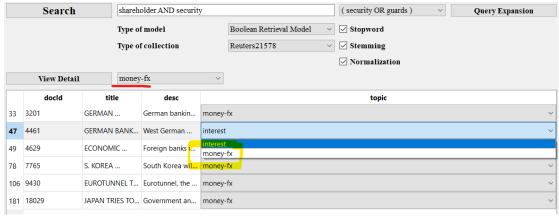


#### shareholder AND security (Boolean) topic filter:

There is a topic filter dropdown list right next to the View Detail bottom. Topic in the filter list is updated once the document is retrieved. User can select the topic in the list to filter out other documents.



Some documents have multiple topics, there is a list in the topic column for each document. Open the topic list will show all the topic for that document



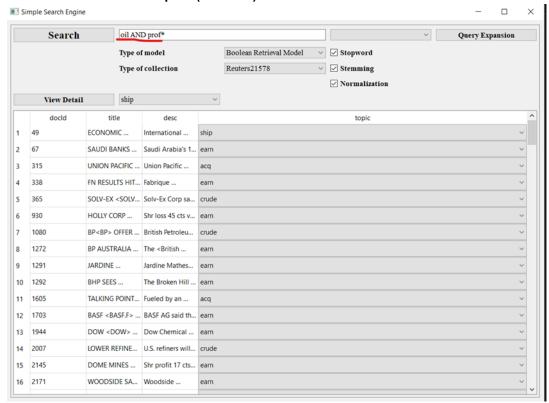
## Description for document 47



West German banking regulations must be expanded to cover off-balance sheet risks arising from new financing forms, Federal Banking Supervisory Office President Wolfgang Kuntze said. Kuntze told bankers at a reception that deals for hedging price risks are not covered by current supervisory rules. Such deals could be used for speculation and do not have to be disclosed. Kuntze also said it must be considered whether banks can continue not to set stanceholder's equity and reserves against their own holdings of securities. Since early 1984, banks have been limited to lending 18 times shareholder's equity and reserves on a consolidated beasts and Bundesbank officials have said that intertest rate and currency swaps and currency options are under scrutiny. Authorities favour reinterpreting the banking law to fit present circumstances in order to avoid the long parliamentary political process of changing it, banking sources said. Kuntze said solutions to the problem of banking supervisors on the found without having to change the law again. The risk structure in banking is moving away from the model on which banking supervisors over set still firemen with a safety net but the safety net has become a little too small, he said. Kuntze declined to detail possible changes to banking regulations, as these are still the subject of discussions between the Supervisory Office and the Bundesbank. He said he sees no chance in the foreseeable furture for an international harmonisation of supervisory law and the German supervisory of fice would not wait for such harmonisation. Nor would it get involved in international competition on minimal regulatory standards in order to shield banks from competitive disadvantages, he said. REUTER

# oil AND prof\* (Boolean)

## search result for oil AND prof\*(Boolean):

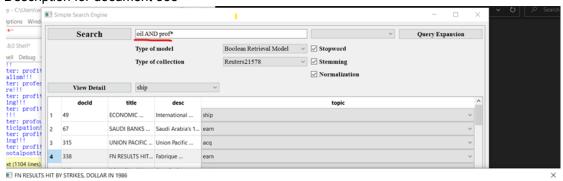


#### Description for document 315

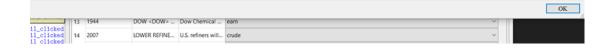


Union Pacific Corp said it will sign a pact in Caracas on March 17 with Petroleos De Venezuela, PDVSA, to sell the state owned company half of its Corpus Christi, Texas refinery owned by its Union Pacific's Champlin Petroleum Co subsidiary. The sale will also include the related marketing and distribution system for the refinery's products. A spokesman for the company said that a statement may be issued later today giving details of the transaction. There was no immediate comment from PDVSA officials in New York. The Control Fraid Pacific and the Company as a capacity of about 160,000 barrels per day, the Union Pacific spokesman said, and is a largely upgraded facility but he would place no value on the transaction. The additional acquisition of refinery and distribution assets by PDVSA has been expected as Venezuela has been moving aggressively to enhance its role in the official substance or previously they looked for in any acquisition. One PDVSA officials have said previously they looked for in any acquisition. One PDVSA officials and the company was looking for independent oil companies with good refinery and distribution network and a strong regional presence. The potential purchase of the interest in Champlin followed its earlier acquisition of a part interest in Southland Corps <SLC-C Itso Petroleum Corp subsidiary. In that agreement signed September 15, 1986, PDVSA paid Southland 290 mlm darts for half of Citigo's stock. The potential acquisition of half Champlin's Corpus Christin's Corpus Christin additional outlet for its crude oil production while giving the refiner an assured source of supply, trade sources said. In the earlier deal with Southland, PDVSA agreed to to supply Citgo with at least 130,000 bpd of crude oil and other feedstocks. Rester

#### Description for document 338

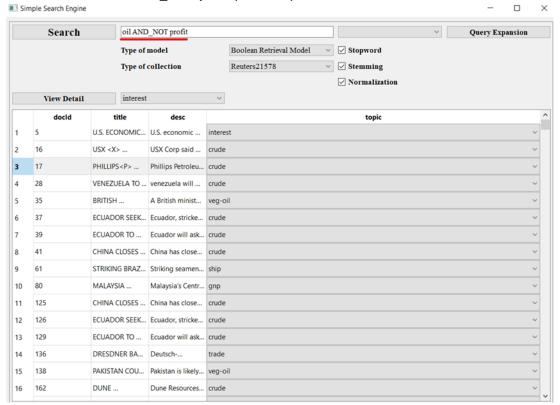


Fabrique Nationale Herstal SA <FNHB BR> said it suffered a net loss of 2.99 billion francs last year after being hit by strikes, the falling dollar and declining oil prices. An FN statement said the loss, which compared with a 6.8 mln franc profit the previous year, included considerable charges for restructuring in 1986 and 1987. Without these the net loss would have been 1.45 billion francs, it said. It added that the restructuring plan would allow the firm to return to long term profitability once it had been approved by local authorities, banks and the workforce. Reuter

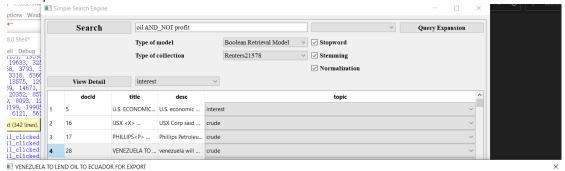


# oil AND\_NOT profit (Boolean)

search result for oil AND\_NOT profit(Boolean):



Description for document 28

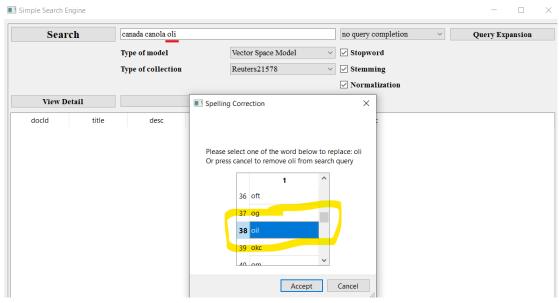


venezuela will supply ecuador with an as yet undetermined amount of crude oil to help it meet export commitments, seriously affected by last week's earthquake, energy and mines minister arturo hernandez grisanti said. He gave few details about the deal, but said a crude oil loan agreement will be made between state oil companies petroleos de venezuela (póvsa) and ecuador's cepe. Ecuador was forced to suspend oil exports for an expected four months after an earthquake damaged a pipeline. Oil accounts for 60 per cent of its export into the Hernandez was speaking to reporters at miraflores palace on the results of talks with ecuador's deputy energy minister fernando santos alvite, who arrived here last night. The volume lent to ecuador would be elocuted from its opec quota and would not affect venezuela's, he said. "we would from august on produce our own quota and sell the additional amounts that ecuador would be respaning us," he said. He did not elast on the quota ranagements but dids asy ecuador would notify opec by telex that venezuela would be lending it a certain amount over so many days. Venezuela's opec output quota is currently 1.495 million barrels a day, and ecuador's has been set at 210,000 bpd. Reuter

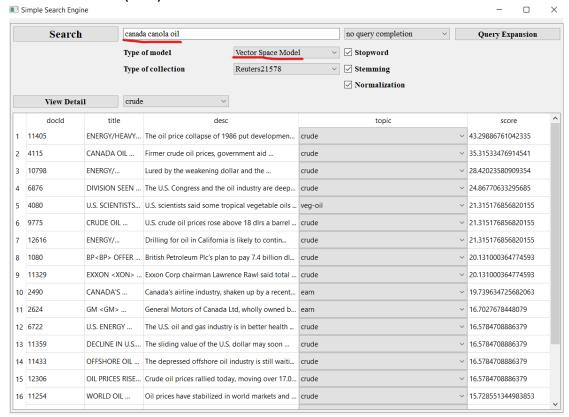
# Canada canola oli (VSM - spelling error)

#### Oli spelling correction:

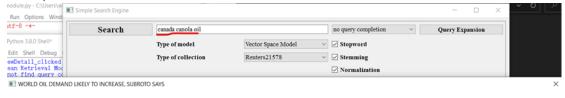
In VSM settings, the search engine checks each word in the query against all the words in the collection, if there is no match, search engines then calculate the editing distance for each word and return a list for the user to select.



#### Canada canola oil (VSM)Search result:



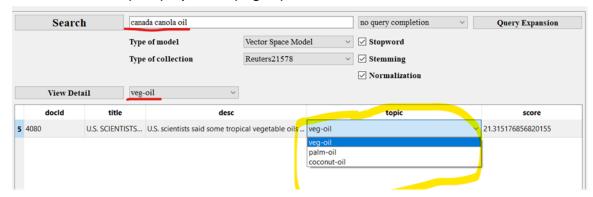
Description for document 11254



Oil prices have stabilized in world markets and demand is likely to increase in the second half of the year, Indonesia's Mines and Energy Minister Subroto said. He told a meeting of oil industry executives that oil prices had stabilized at 18 dirs a barrel—the average fixed price OPEC put into effect in February—and supply and demand have been in equilibrium since March. If OPEC does not increase overall output in the second half of the year, prices will tend to increase, because non-OPEC producers have not been able to produce more oil at current prices, he said. But he declined to predict, when asked after the meeting, whether OPEC would price the said in the size its production ceiling of 1.5 8.5 mlb harrles at its next meeting in June. He said in his speech that world oil demand. Oil production barrels a day, rot won labarrels a day less than world oil demand. Oil production by industrialized countries, particularly the U.S. And Canab., is expected to decrease this year, but some of that slack will be taken up by increased production in Cameroon, India and other developing countries, he said. This year is a battle between OPEC oil producers and consumers in the industrialized world for the upper hand in world oil markets, Subroto said in an earlier speech to management trainees at Pertamina Oil Company. 'If OPEC emerges the winner, than it can gradually resume its former role in world oil markets, 'But don't expect oil prices to return to the level of 28-30 dirs a barrel, at least not in the next three or four years,' Subroto said. REUTER

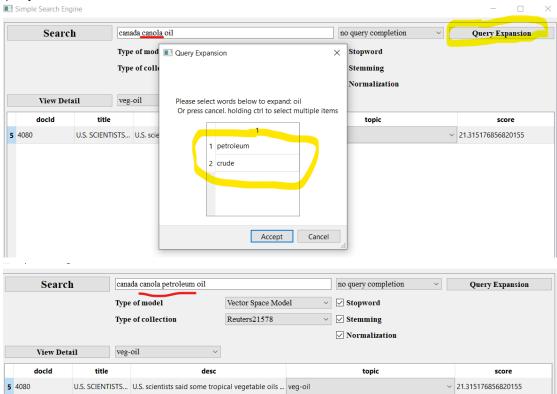


## Canada canola oil (VSM) topic filter(veg-oil):



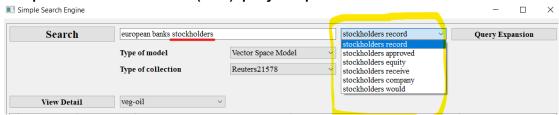
#### Canada canola oil (VSM) query expansion:

For each word in the search query. the Search engine tries to find synonyms for that word. If these synonyms are also can be found inside the collection, these synonyms will be returned and allow the user to select preferred query expansion. In the example below, we choose petroleum for word oil, the word petroleum is placed right next to oil in the search query.

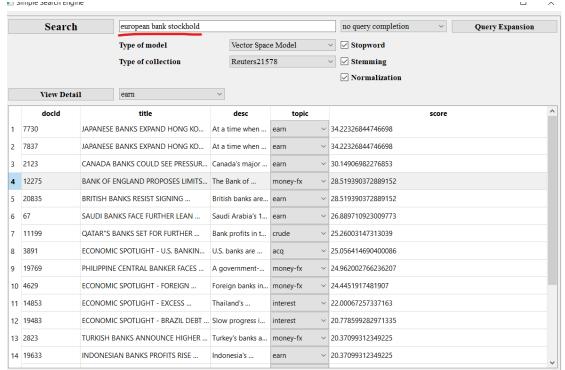


# **European banks stockholders (VSM)**

European banks stockholders (VSM) query completion:



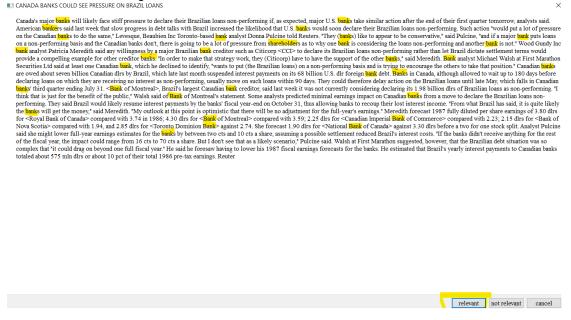
### European banks stockholders (VSM) search result:



#### **European banks stockholders (VSM) relevant feedback:**

In VSM settings, each document info window will have two bottom, relevant or not relevant. Search engine will keep the query as well as its document feedback in a json file. The relevance feedback file will be reset every time the search engine program is opened

The example below is the description window for document 2123, we select relevant bottom in the bottom right corner.

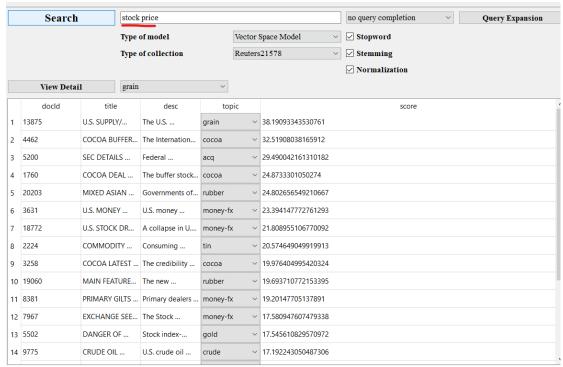


#### The structure of the relevant feedback file:

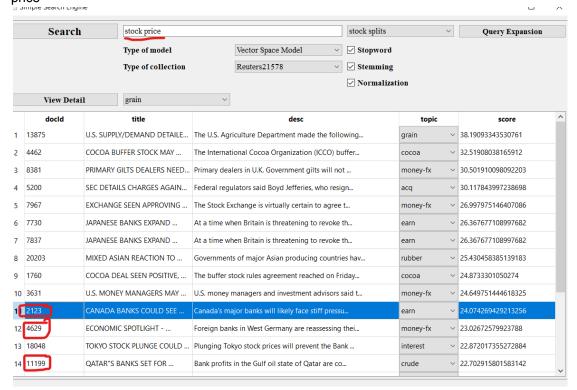
There are two relevant feedback file, one for UO collection one for reuter. The example below is the feedback file for reuter. Search query is "European bank stockhold" with relevant document ID 2123

## European banks stockholders (VSM) local query expansion:

Below is the stock price(VSM) search result without any relevant feedback:



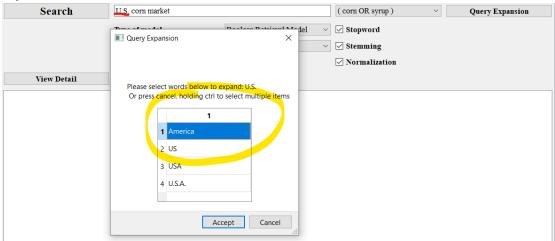
Below is the stock price(VSM) search result with relevant feedback form query "European bank stockhold" with relevant docID 2123. The documents 2123, 4629 11199 from the query "European bank stockhold" now are also show in the search result for query "stock price"



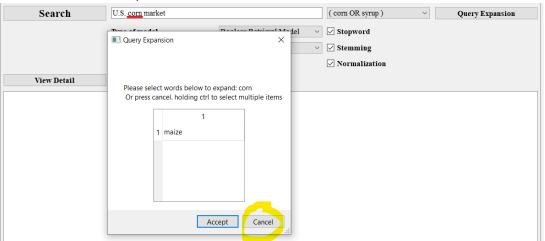
# U.S. corn market (VSM)

## U.S. corn market (VSM) query expansion:

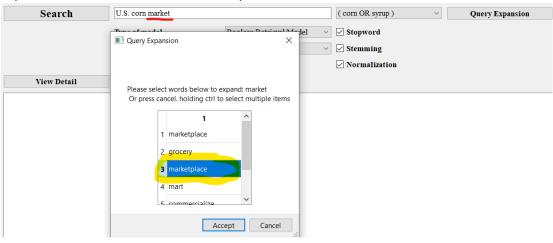
Expand word "US" with word "America"



Select cancel, not to expand word "corn"



Expand word "market" with word "marketplace"



The query become "America US corn marketplace market"

## America US corn marketplace market (VSM) search result:

