



T H E  
HUMANITARIAN  
FOSS PROJECT

Building Free Open Source Software for Society

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# Summer Institute 2009 @ Trinity College inSTEDD Project Weekly Status Update

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# Outline

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Project Overview

Progress so far

Demo

Plans for next week

# Evolve

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Predict the spread of diseases

Evolve itself is an initiative from inSTEDD

Our project focuses on the idea of predicting the outbreak of diseases by looking at documents

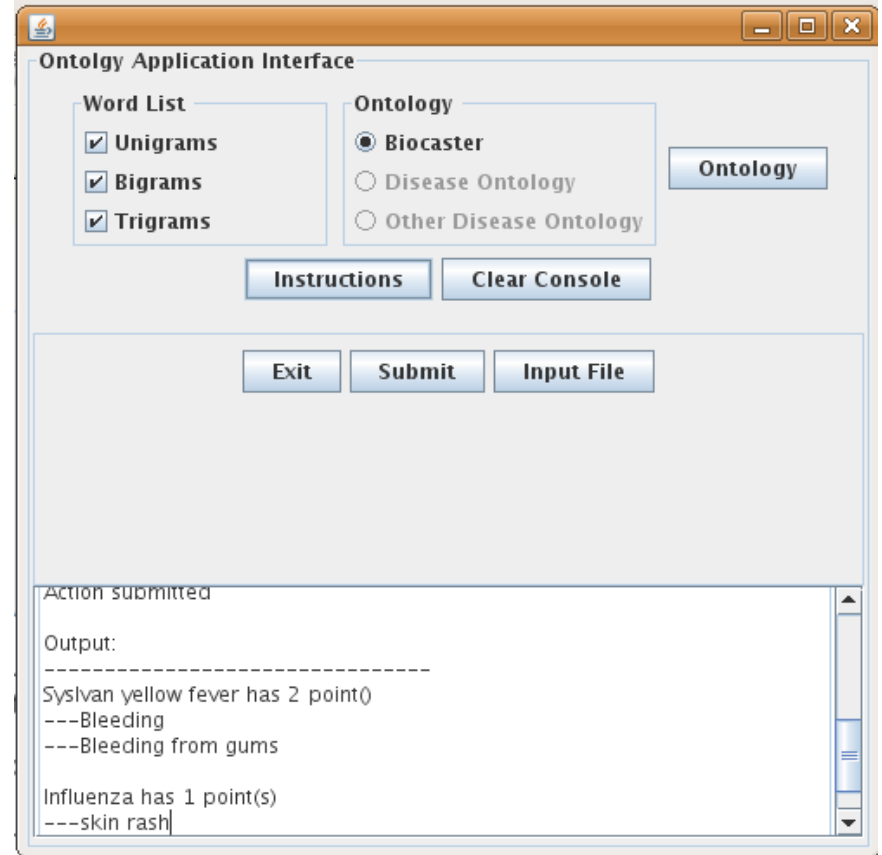
# Last Week

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Input : one document

Output : Prediction of a disease

Progress: Able to input more than one document



# Progress so far

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Input : An RSS Feed

Output : Disease Prediction

**RSS Feed** → contains multiple article that refers to diseases  
→ XML format and it has tags

# RSSFeed

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```
-<link>
  http://www.idemc.org/read/index.php?pageid=news_read&news_id=122
</link>
<title>Schools, businesses close in Argentina for flu</title>
-<description>
  Millions of Argentines stayed home from work, churches in Bolivia canceled Mass and Ecuador announced its first fatalities from swine flu on Friday, as the virus continues its spread during the South American winter season. Businesses including banks, exchange houses, courts and even the stock exchange were shuttered for 24 hours across Argentina. Combined with Thursday's Independence Day holiday, Argentines effectively got a four-day weekend during which many stayed home and avoided contact with strangers.
</description>
<pubDate>Sat, 11 Jul 2009 01:31:27 Z</pubDate>
<a10:updated>2009-07-11T01:31:27Z</a10:updated>
</item>
-<item p5:itemid="7ae0daf1-8caa-4bad-ba73-cb2160b0de4b">
  <guid isPermaLink="false">7ae0daf1-8caa-4bad-ba73-cb2160b0de4b</guid>
-<link>
```

# Demo

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Get the RSSFeed path

1 Unigram

2 Bigram

4 Trigram

**DEMO!**

# Plan for next week

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Documentation

Call with Nicolas di Tada

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# The Humanitarian FOSS Project

[www.hfoss.org](http://www.hfoss.org)



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