

IDEAL CLIMATE CHANGE

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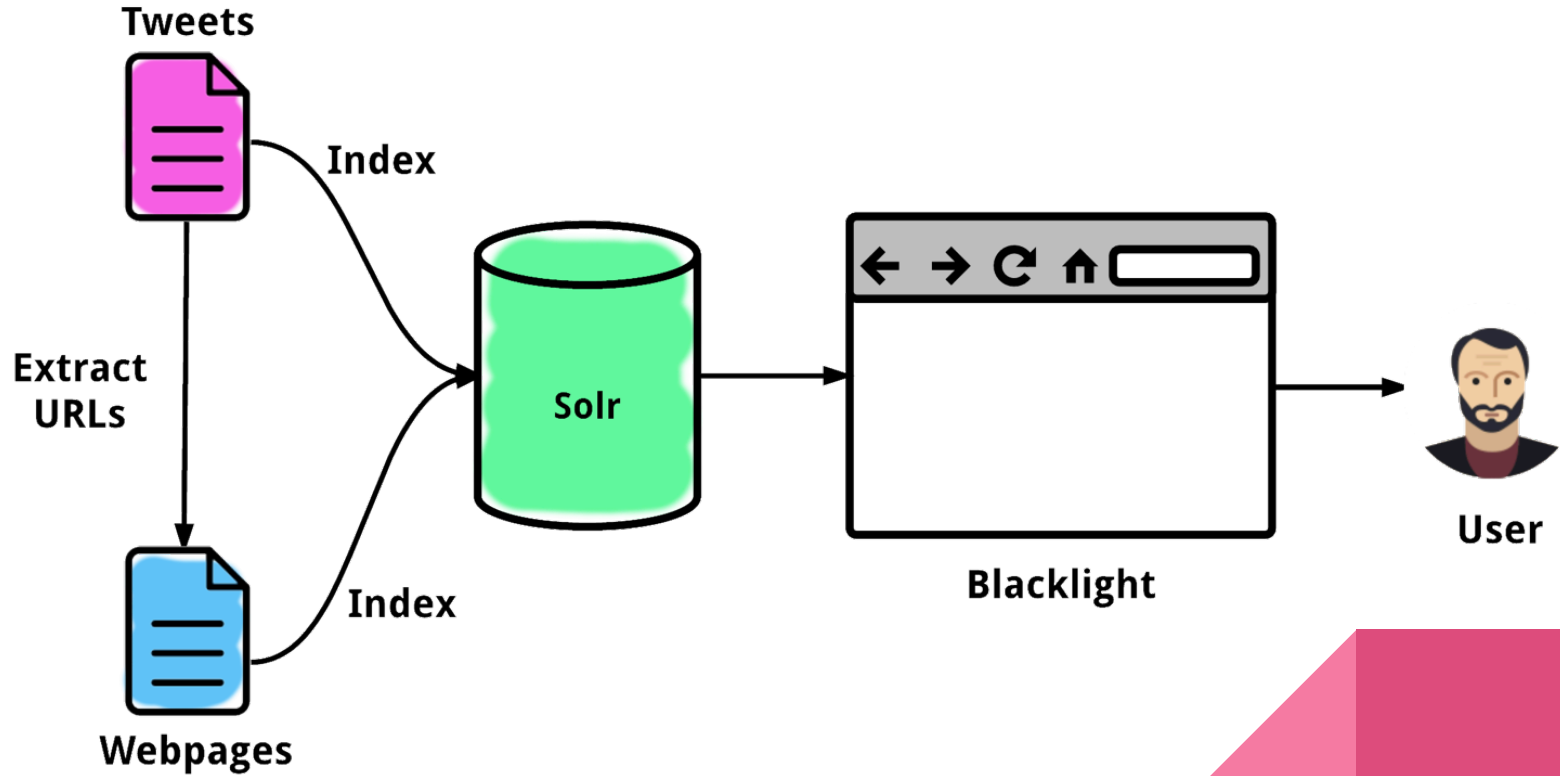
Client - Mohamed M. Gharib Farag

OBJECTIVE

Provide a **digital library** and **search-engine** for graduate students, researchers, and anybody interested in Climate Change.



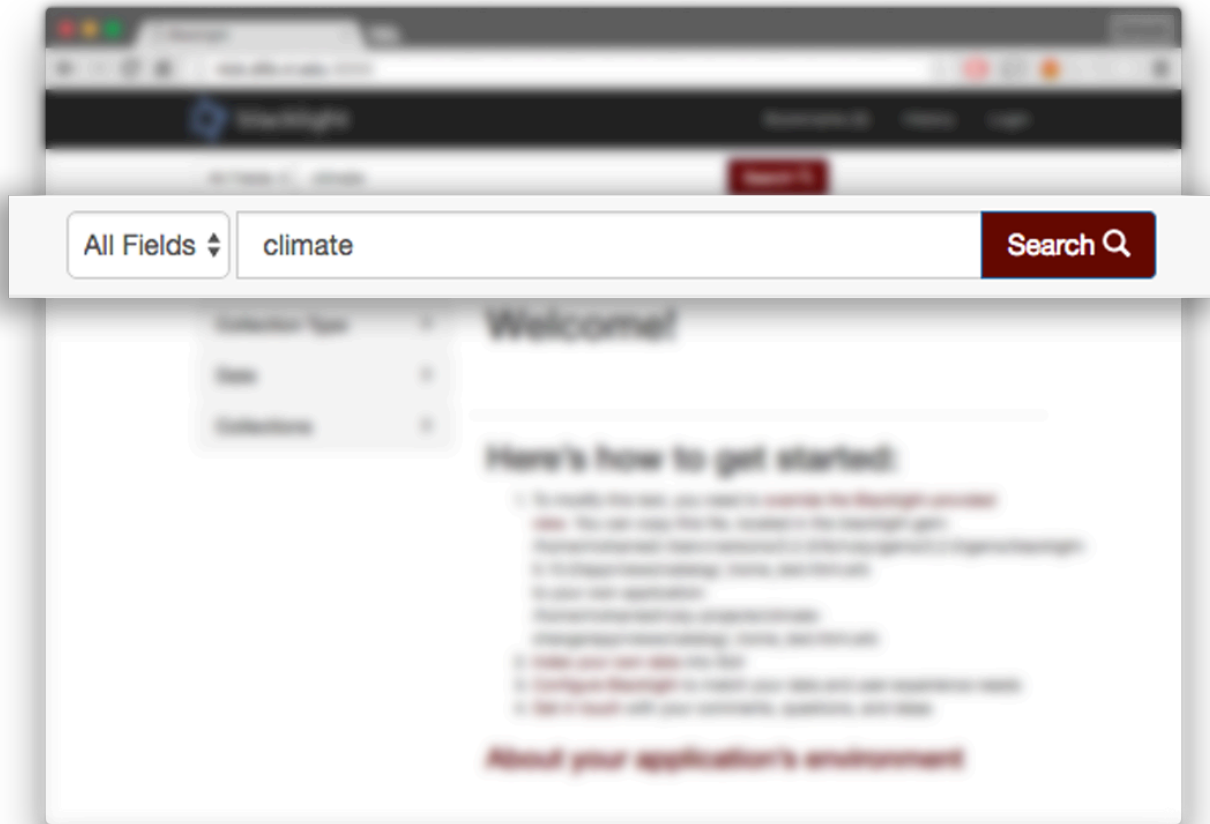
SYSTEM MAP



The background is a solid pink color. In the top right corner, there is a decorative graphic consisting of several overlapping geometric shapes, including triangles and squares, in various shades of pink and magenta.

FUNCTIONALITY

SEARCH



The screenshot shows a web browser window with the URL `nick.dlib.vt.edu:3000/?utf8=✓&search_field=all_fields&q=climate`. The page header includes the Blacklight logo, navigation links for Bookmarks (0), History, and Login, and a search bar containing the text "climate".

On the left side, there is a "Limit your search" section with three expandable filters: "Collection Type", "Date", and "Collections".

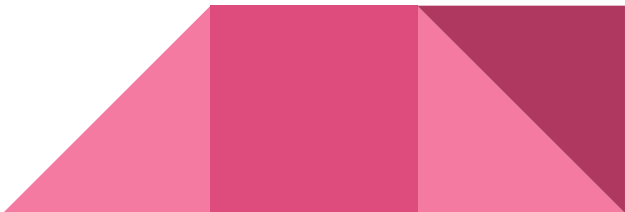
The main search results area displays the following information:

- You searched for: climate [x] Start Over
- « Previous | 1 - 10 of 632 | Next »
- Sort by relevance [v] 10 per page [v]

The search results list four items, each with a "Bookmark" checkbox:

1. Change Factor Bookmark
2. Defunding Climate Change <http://tco/U8sCFpCQp8> Bookmark
#climatechange #climate #paris2015 #fossilfuels
3. RT @PlantsLoveCO2 Climate DepotObama leaves climate summit in a whirlwind of global warming puffery #COP21 #ClimateChange #climate <https> Bookmark
4. No climate change impact on insurance biz: Buffett Bookmark

SEARCH



Rocky Rex's Science Stuff: x

nick.dlib.vt.edu:3000/catalog/Rocky%20Rex's%20Science%20Stuff:%20Climate%20Change...

Rocky Rex's Science Stuff: Climate Change - Rising sea level linked to warmer seas, and melting ice

Bookmark

Title: Rocky Rex's Science Stuff: Climate Change - Rising sea level linked to warmer seas, and melting ice

ID: Rocky Rex's Science Stuff: Climate Change - Rising sea level linked to warmer seas, and melting ice

URL: <http://rockyrexscience.blogspot.co.uk/2015/07/climate-change-rising-sea-level-linked.html>

ID: z163

Type: Webpage

Content: Rocky Rex's Science Stuff: Climate Change - Rising sea level linked to warmer seas, and melting ice Rocky Rex's Science Stuff Links to main themes - please bookmark: 22,000 Years of Global Temperature Change Climate Change Demystified A Random Walk through Earth Science An Expanded Exploration of Climate Change Rocky Rex's Latest Science Stuff A Random Warp through the Universe Thursday, 9 July 2015 Climate Change - Rising sea level linked to warmer seas, and melting ice See level is rising, and there are

SEARCH



Search History - Blacklight

nick.dlib.vt.edu:3000/search_history

blacklight

Bookmarks (0) History Login

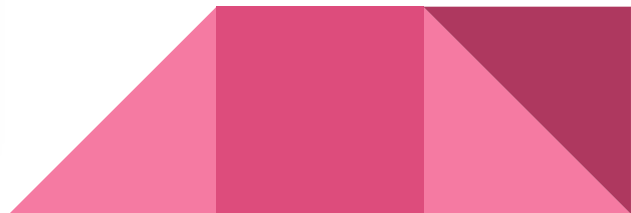
All Fields Search... Search

Search History

Your recent searches [Clear Search History](#)

antarctica	save
acid rain	save
Collection Type:Tweet	save
climate	save

SEARCH HISTORY



Bookmarks - Blacklight

nick.dlib.vt.edu:3000/bookmarks

blacklight Bookmarks (3) History Login

All Fields Search...

Bookmarks

1 - 3 of 3

Sort by relevance 10 per page Clear Bookmarks

- 1. Change Factor** In Bookmarks
Title: Change Factor
ID: z163
- 2. Indias climate tech revolution is starting in its villages <http://tco/yPDcmfRVFd> [#climate](#) [#climatechange](#)** In Bookmarks
ID: z163
- 3. Authentic action vs reaction to climate change <https://tco/KE7sAC8kQj> [#climateaction](#) [#climatechange](#) [#climate](#) [#podcast](#)** In Bookmarks
ID: z163

BOOKMARKS



TESTING

Black Box testing for **usability** by students.

Functionality testing for **search** by Somn, Sam,
and Michael.



FUTURE WORK

Python-configuration files for scalability.

Upgrade Python to 3.5.

Continue to upload more data.



THANK YOU!

ACKNOWLEDGEMENT

- ◆ Thanks go to National Science Foundation grant IIS - 1319578, III: Small: Integrated Digital Event Archiving and Library (IDEAL).
- ◆ our sincere appreciation to Dr. Edward Fox for providing us the climate changes project and guiding us with valuable and constructive suggestions.
- ◆ we would like to thanks Mr. Mohammed M. Gharib Farag for providing us the valuable information we needed.

