



Website Development Group

Preamble

This group will work to develop a rudimentary website that makes the search engine available to researchers across Harvard. You'll have the chance to design all sorts of bells and whistles. Coders and designers welcome!

Main Goal

The primary goal of this group is one of the two main objectives for the entire hackathon, to develop a prototype website for our search engine, including templating, design, and backend. As a group, you will determine what resources to use, whether from scratch in Python, PHP, Ruby, or NodeJS, or, perhaps, Drupal or Omeka. Some sort of hybrid solution using a static site generator (e.g. Jekyll, hugo, etc.) that talks to an API may also be viable.

Other goals / instructions (in order of priority)

- With the Search Dev team, work to create an input module that allows users to a) input passages and evaluate most frequent words to determine their search terms, and b) input search terms directly.
- Incorporate Harvard Key authentication
- Build out as many modules as possible (the most important are starred (*)):
- *Splash page
- Corpus selection
- *Loading-set entry
- *Keyword evaluation
- *Search parameters (statistical measures, filters, low-pass filter)
- Select metadata to include in results
- Search iteration
- *Results (by HTML and CSV)
- Work with Data Visualization and Analytic Tools group to incorporate visualization and analytic tools to help researchers identify relevant passages
- Develop the ability for users to develop dynamic filters from metadata
- Develop caching to retain search history, so that previous searches can be modified later
- Provide the opportunity for users to collaborate on specific searches

GitHub Contents (may be added to before and during the event):

- Document with links to ECCO and JSTOR (alternative models for corpus search)
- Verbal Description of Website Modules
- Images of a rough wireframe structure of the website (hardcopy available)
- Group notebook
- Code uploads

Other groups to consult

- **Search Development:** For backend integration
- **Research Exploration and Design and Branding:** For UX issues and visual identity