

Fall 2019 CS418/518 Project – Milestone 2

In this milestone, you will build the search function in your search engine using Elasticsearch.

Base requirements

1. Users should be able to get a confirmation email to verify their email addresses for registration or password reset;
2. The website has an “Advanced Search” function so users can search multiple fields;
3. The advanced search should return results satisfying multiple specifications;
4. The website should index at least 5000 “documents” (a document can be metadata of an image or metadata of an ETD);
5. The search engine accepts a text query in the search box;
6. The search engine should return search results on the search engine result page (SERP), which can be links to documents or images;
7. The search engine should display the number of returned items on SERP;
8. The SERP should contain a search box;
9. The search engine can prevent XSS vulnerability by removing tags existing in the query;
10. Users should be able to insert a new entry (document) and search engine will index it.

Optional requirements (Get Ahead)

1. The search engine can return paginated results;
2. The search engine can highlight results that contain search terms;
3. Users can save search history in their profile.

Submission

1. All source codes and should be committed to GitHub by noon, Thursday, October 22nd.