

# Coursework 3: Search Engine Presentation and Demo

## 1 Aim

The aim of the practical coursework is to fully understand how a search engine (SE) works by actually building the search engine you designed in CW2 and to present it. You do not have to replicate your existing design perfectly, as rarely the final product is the same as the design. However, it is useful to take what you did in CW2 so you do not have to start from scratch

The minimum requirement for a working search engine is the capability to enter a query (can just be in a notebook or file) and get as an output a ranked list of documents (can just be a printed list). Of course, any additional functionality your engine has will get you more points. You can build the search engine in what ever environment you want, but jupyter notebooks / colab notebooks are recommended as they are familiar from the labs.

## 2 Output

### 2.1 Presentation

10-15 minute video presentation.

Things to include, but do not limit yourself to these:

- Demo of search engine: (Most important aspect of the presentation. Might be a good one to finish with. (3-5 mins))
- Retrieval task and motivation for SE (data description).
- Design and architecture of the SE.
- Retrieval models used: What models were used and why
- Evaluation: How did you evaluate the performance of you SE.
- Who did what: a description of how the work was divided.

### 2.2 Document Slides

The slides of your presentation as a PDF.

## 2.3 Code

The code used to run your SE. We are not going to mark you based on the quality of your coding. We simply want to get an idea of the technical structure of your SE.

Upload as a single .zip file.

## 3 Useful Tips

- Make your demo as interesting as possible, this is where the most points are available.
- Comment your code. You are not being assessed on code quality itself, but we need to be able to follow what is going on. For this, commenting will be your friend.
- In your presentation before the demo, try and make sure the listener fully understands the motivation and background and for why the SE was created.
- Duration of the presentation is defined less strictly this time. This means you definitely do not want to go over the upper limit.
- As always, do your citations and bibliography properly.
- Check the example report on QM+.