**Information Retrieval Final Project Report**

Pengfei Tan, Feng Shi, and Yidong Wang

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Instructor: Professor Nada Naji

**Introduction:**

Our project using CACM test-collection building and testing our own search engine.

We implemented three search engines based on BM25, Lucene, tf.idf and we performed query expansion using pseudo relevance feedback and thesauri api. What’s more we implemented stopping, stemming and evaluating our search engines’ performance.

Yidong Wang worked on search engine based on Lucene and indexed the stemmed corpus, retrieved results for queries in stem queries and implemented query extension using thesauri.

Peng Fei

Shi Feng

**Literature and resources:**

**To build the indexer and retrieval model we use an open source library that provides indexing and searching functionalities.**

**Implementation and discussion:**

**Results:**

**Conclusions and outlook:**

**Bibliography:**