

# < *GroupName* >: Your project title here

## Progress Report

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### Abstract

The progress report will be an extended version of your proposal document. **Some general guidelines for this progress document: Use this LaTeX template to write your progress report. 2 pages, due May 12th on oddu-class.** The abstract can be same as proposal (unless you had to change your proposal). i.e. describe your project in a few sentences. State what the expected application is going to be.

### 1 Introduction

Introduction could be left the same as the proposal (i.e. Tell us what problem you're going to work on. Provide some motivation for your idea: why is it interesting? Does it have any practical significance? ) **Update it only if there are any changes in the scope of the project. Write down the changes in boldface.**

### 2 Related Work

**Have you read any additional papers since the proposal of the project? Have you found any other work useful in developing your project?** If yes, update the related work section with proper citations. Otherwise it can stay the same.

### 3 Methodology/System Architecture

Describe how you have decided to solve the problem you have chosen. **State if there are any modifications and/or extensions to your previously proposed approach. Include a picture of your system architecture and data flow.** You are also expected to state your approach to solve the following design issues:

- Data: What is the source of your data? Describe the contents of your data.
- Index: Which preprocessing steps have you implemented? Also indicate the number and type of indices (i.e. positional index, field/zone index, permuterm index etc.)
- Query Processing: What are allowed query formats? How will the results be ranked? Which IR model have you implemented?
- User Interface: Describe the interface to input queries and list the results. Will you support phrase queries, wildcard queries, proximity operators? Will you provide snippets? Will the results be ranked? How will

you evaluate the performance of your system? What about relevance feedback, query expansion?

#### 3.1 Milestones and Schedule

**State if you are in track with the proposed schedule. Write down if there are any changes in the milestones and schedule.**

### 4 Experiments and Evaluation

#### 4.1 Data set

**Have you acquired all the data you need? Have you prepared your corpus?** Describe your corpus. What is the size of your corpus? (number of documents, tokens, words, average number of words/document etc.)

#### 4.2 Inverted index

Which information retrieval toolkit are you using? What existing libraries or plugins are you using? **Have you achieved building the inverted index with lucene and BM25?** Have you obtained a first version of your IR system? Have you evaluated the BM25 performance? What is your set up for your experiments? Which evaluation tools are you using? Which evaluation metrics are you using? If you have already implemented different ranking schemes, have you evaluated the performance of them? If so, give a table to show a comparison of their performance.

#### 4.3 Things to do

List here the things that you are planning to add to the current state of your implementation.

### References