CMPUT 291 Mini-Project 1 Report

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# Overview

## Introduction

The goal of this assignment is to create a simple DBMS program which, given premade indices, accepts simple queries and returns a set of data that matches the search terms.

## Setup and Operation Instructions

The code has compliance with Java 1.7 and newer. The command “java -classpath .:/usr/share/java/db-5.3.28.jar Main” should be used to run the program on the lab machines. All .idx files should be present in the same directory and the program should be compiles using the “make” command.

# Design

## Design Overview

The program is split into 3 main parts; the query parser, the database searcher, and the database manager. The query parser handles receiving, parsing, organizing, and printing of queries. Once given an input line it will figure out what kind of query should be used, and extracts the information needed to perform the query. These are then processed one expression at a time by calling a method dedicated to that search type. The results are assembled into a

## Helper Classes

## Driver and Manager Classes

## Sub Screen Classes

# Testing

# Production Organization