

Project Details

Database Systems Course (2012-2013) – Final Project

Freebase is a large collaborative knowledge base consisting of metadata composed mainly by its community members. It is an online collection of structured data harvested from many sources, including individual 'wiki' contributions. Freebase aims to create a global resource which allows people (and machines) to access common information more effectively.

Your goal is developing an *interesting* application based on a combination of the **TV data** available on Freebase, along with **another data source** (another domain in Freebase, or from an entirely different online data source). In general, your application should work independently from Freebase. I.e., you should be able to add/remove/change records manually. Nevertheless, you should also support an "import" process to retrieve information from Freebase's text files.

More specifically:

- Design and create an application for storing / selecting / querying / updating / deleting (etc...) information from the Freebase TV domain along with some other data source.
- Populate your database with a table consisting of more than 150K records. You should support massive import from Freebase by processing the data dumps.
http://wiki.freebase.com/wiki/Data_dumps
note: do not be afraid on importing (much) more records if the information is available...
- DO NOT CREATE A SIMPLE QUERY INTERFACE. For example, assuming you have a CDs dataset, in addition to the "simple" search artist feature, you can implement an online store that support more advanced features, such as recommendations.

A few notes:

- Use JAVA
- Work should be done in groups of 4 students (no more, no less...)
- Send the TA an mail by **Dec 5** with the details (students names and ids) of your group (one mail per group)

Submission and Grade

In the course website you can find two additional documents describing the grading system for the project (one document is an example for the examination form while the other is the grading guide).

Submission date is the **on the course website**.

The submission should include:

- Complete database built and populated on TAU's MySQL
- "Executable" Directory containing:
 - o Your final application – JAR file
 - o Any other required JAR files (for example JDBC, SWT...)
 - o "runme.bat" which contains the line for running the application (for example, "java myapp.jar –myparameter.")
 - o User manual
- "Source" Directory containing:
 - o All your java sources (I assume you use "java packages"...)
 - o An SQL script for creating your DATABASE (without the data)
 - o Software documentation (including architecture/database description, and the choice of additional data source)
- "Members" Directory containing:
 - o A file with all the group member FULL NAMES & IDS
 - o Your MySQL user & password at TAU's server

Please submit the project HARDCOPY to the TA's mailbox – I.E.:

- Print the "User manual", Software documentation and the files in the "Members" directory.
You DO NOT need to print the source files.
- Burn all the files to a CD
- Submit them together in a folder, an envelope etc.

Bonus

- Originality in design, features, "thinking out of the box"
- Build a more designated application (for example, "online CD store")
- Convenient and aesthetic GUI