Università
della
Svizzera
italiana

**Facoltà
di scienze
informatiche**

Information Retrieval

Academic Year 2020-21

Course Project N.21: Movie Search

Prof. Fabio Crestani

For this assignment, you will work alone to implement a working prototype of an information retrieval system for a specific task and user needs. The goal of this assignment is to apply the concepts and tools you have learned in the class to a practical, real world, application.

Description

Movie search: You have to build a system that crawls movie websites like IMDB, Rotten Tomatoes, Allmovie.com etc. for movies produced in the last ten years. The system has to provide an interface for searching movies by title, browsing, and presenting the results. Besides that, the system should have the following search features:

• Results clustering: the system should group movies into genres (if a movie is labelled with multiple genres assign it the first one mentioned on the websites). There should be a possibility for expanding/shrinking a genre to show all the movies related to the genre. In addition, genres should be sorted in a descending order by the number of relevant movies under them.

Submission procedure and evaluation

An important step is the evaluation of your tool. Three students of the class, of your choice, will act as test users of your system and help you in evaluating your system from the point of view of the user experience. System evaluation (i.e. recall and precision) is not required. Please, coordinate with the other groups in order to meet the deadline.

You have to produce a report (max. 10 pages, including cover) of your work and of the evaluation. It will contain a concise explanation of how you tackled the design, implementation and evaluation of the system. The code of the project and the report need to be submitted via iCorsi by end of day 11th December.