

File used in the project:

- index.html
- style.css
- RandomRatingFinal.java
- DataRanking.csv
- getNextId.php
- updateDb.php
- GetRecommendationPhp.php
- Mahout.java
- mahout.txt

Description:

Index.html :

Html page that contains the code to search for events, rate them and get recommendation, it uses javascript.

style.css :

The css contains all the elements to style the components of the index.html page.

RandomRatingFinal.java :

This java class is used to generate the csv that represents the training set for the recommendation system. The training set is put in the database to have the fake users to work on.

DataRanking.csv :

Output generated from RandomRatingFinal.java

getNextId.php :

Php script used to query our database, used to assign to the “current user” that is surfing our page, an unique id. This is done simply by counting how many lines are present in the database and by adding 1 we get the unique user.

updateDb.php :

Php script that is called whenever the “current user” rates an event by clicking on a star. The script adds a row to the database with : “userId”, “eventId”, “score”.

Mahout.java :

This java class takes as input the Datarank.csv and outputs a “mahout.txt” that contains the ids from events recommended by the engine. Since Datarank.csv doesn’t contain the ratings from the “active user” yet (Those data are available in the database, not in the training csv), we need to export the database as csv.

mahout.txt :

Output generated from mahout.java

GetRecommendationPhp.php :

The script takes as input the “mahout.txt” file, reads the recommended events and takes care of the output in the html page