Once the program is executed, the main window (main view) will appear.

Testing the recommender

Step 1: Load directory



```
Folders
./
../
Recomendaciones/
movies2250/
movies250/
movies750/
```

To use the different functionalities of the program, the first thing we have to do is load a directory Let's go to the File tab, and choose any of the folders:

- moviesxxx
- seriesxxx Where xxx can be: 250, 750, 2250

Use one of the user id's corresponding to each directory

- Directory movies250,
 - We can use the following id's = 79268, 16498, 93998
 - We can use the following itemId's: 296, 318, 527 (items.csv)
- Directory movies750,
 - we can use the following id's = 35368, 96428, 252578
- Directory movies2250,
 - we can use the following id's = 205948, 247718, 5158

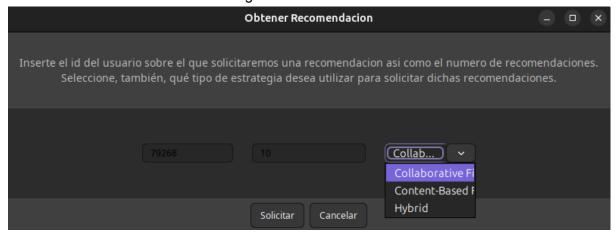
1) **Insert new rating:** use a valid userId = 79268 and itemId = 296



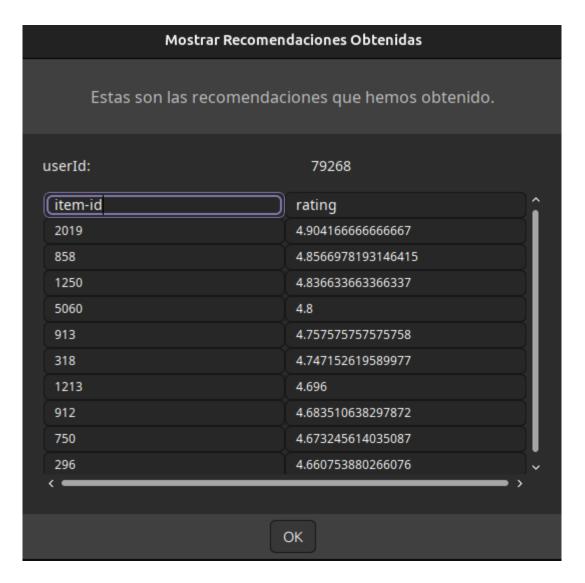
2) Get recommendation, requires:

- userId = 79268
- number of recommendations = 10
- We choose between the three possible algorithms:
 - Collaborative filtering
 - Content Baset filtering
 - Hybrid

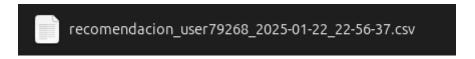
Choose: Collaborative filtering



Result: Recommended items with their respective rating for the user with id = 79268 that fit their profile, using the Collaborative Filtering algorithm (kmeans + slopeOne).



Recommended items with their respective ratings for the user with id =79268 are stored in the Recommendations folder



Evaluate recommendations: evaluates the quality of the recommendations produced by the recommender algorithms.



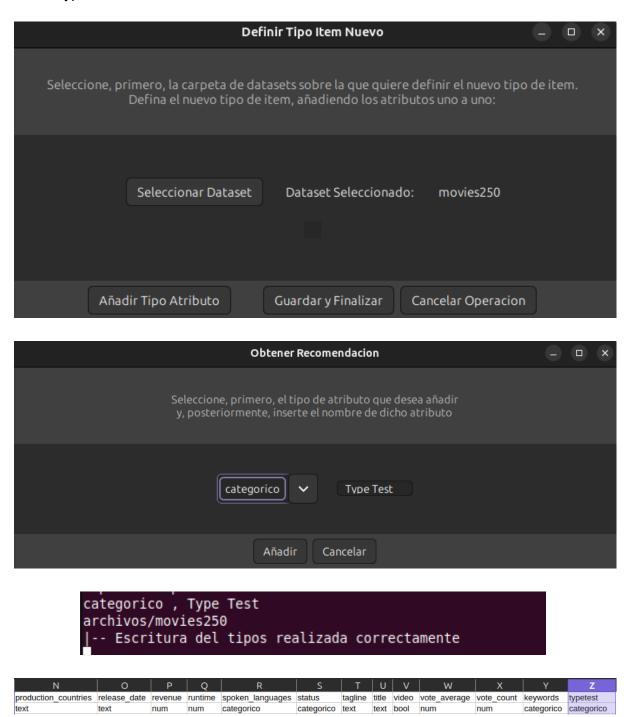


Recommended items with their respective ratings for the user with id =79268 are stored in the Recommendations folder



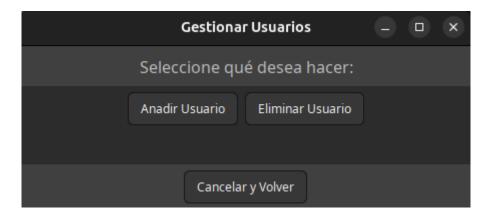
Define new item type: We define a new item type, it requires:

- moviesxxx directory
- item type: bool, num, text, categorical.
- type name

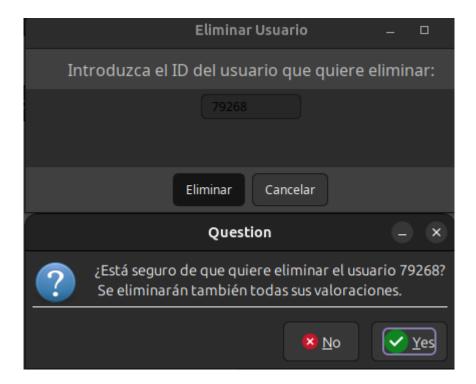


Result: Item type "typeTest" has been added successfully.

Manage users: two options add and delete users.



Delete users: requires a valid user, in the example we have used the user with id = 79268



Changes are saved in a new folder when you close the program.

The changes are saved in a new folder "files/date_time" which contains a copy of the .csv files from the moviesxxx folder we have chosen.

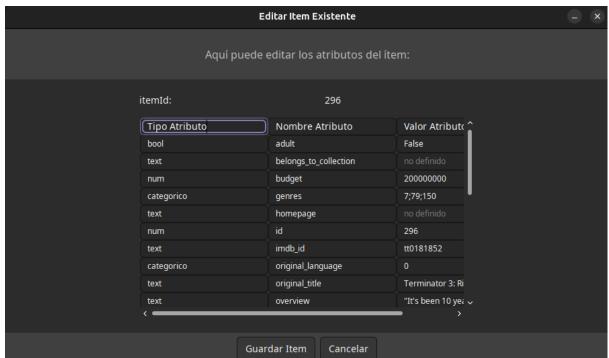
Manage Items: add item, delete item, edit existing item.





When closing the program, a copy is saved with the new item with itemId = 297





When closing the program, a copy is saved with the edited item with itemId = 296

Status of the Project

The program is fully functional and implements all the intended core functionalities, such as loading datasets, processing data, and generating recommendations. However, please note that some adjustments to the graphical interface are still a work in progress.

These pending improvements are primarily focused on refining the visual design, enhancing user experience, and ensuring optimal usability. While the current graphical interface is basic, it does not affect the program's core functionality, which works as intended.

If you're reviewing this project for evaluation purposes, please focus on the functionality rather than the graphical aspects, as further polishing is planned for future updates.