Project Manager Application

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Problem statement:

Create an application which loads a dataset with Netflix films, sort filter and searching films and save in a file.

Project Specification:

https://github.com/FIvER4IK/dsba-itop2022-hw/blob/master/spec_158.pdf

Details of realisation:

The main difficulty I encountered during the implementation was the dataset parsing, the delimiter in it was a comma while inside some cells, the entries in such cells were surrounded by double quotes, I had to use regular expressions to parse these lines
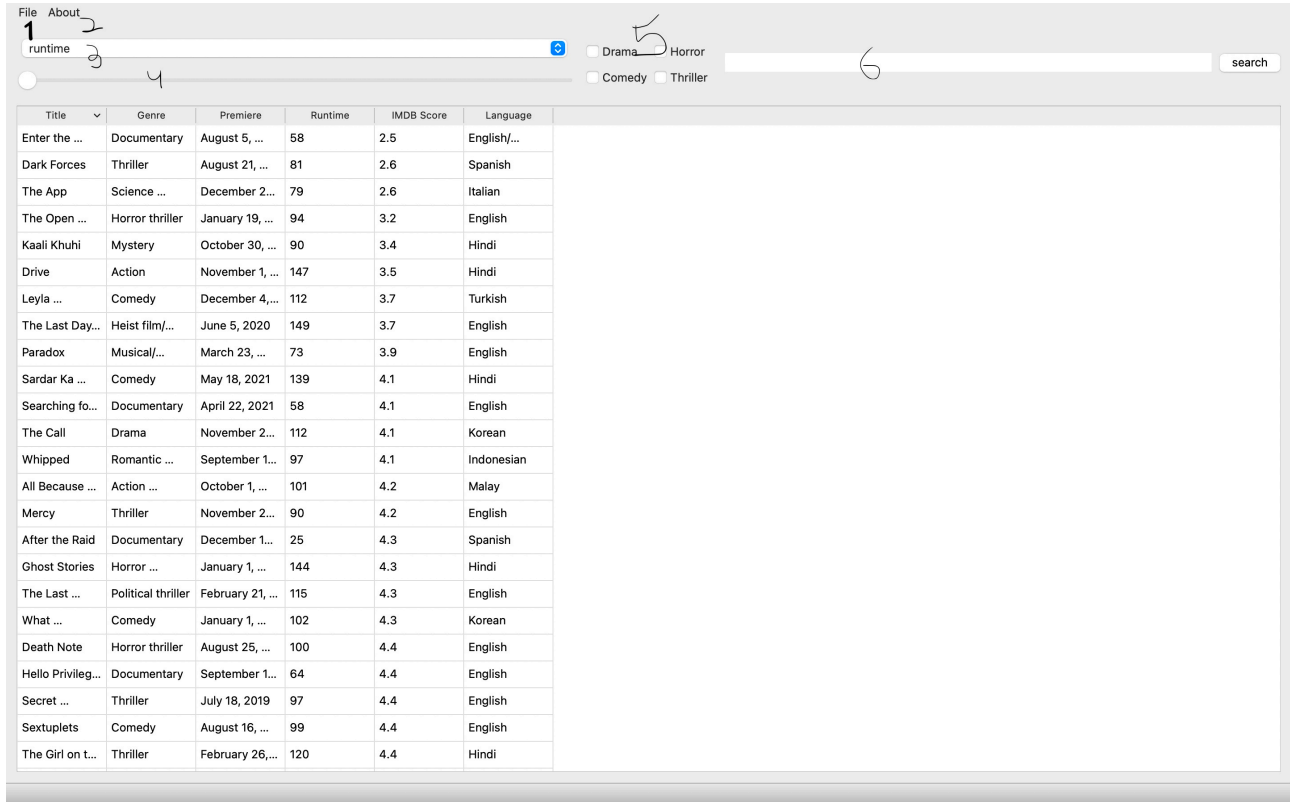
Project Structure:

|— CMakeLists.txt
|— about.cpp
|— about.h
|—genrefilterproxymodel.cpp

|—genrefilterproxymodel.h

|—logo.h

|—logo.cpp

|—main.cpp

|—mainwindow.h

|—mainwindow.cpp

|—netflixmodel.h

|—netflixmodel.cpp

|—storage.cpp

|—storage.h

1.   File

1.1 Open - opens a dialog box downloads the file and displays it on the screen

1.2 Save - opens a dialog box and saves the model to a new file

2.   About - show information about app and logo

3. Sort table by selected row

4. Slider show films only with IMDB score more or equal of selected one

5. Show films only with selected genres

6. Search option

Results:

all the tasks from the specification were completed with the exception of one change. The author of the specification suggested (in the task he did not specify that it should necessarily work like this, he assumed from the ui sketch) that the search should be carried out by pressing the search button, while I found it more convenient to make a search that offers options while typing the inscription into the text field