

# Movie filtering application

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## Brief description

You are given a file `mymoviedb.csv` containing some useful information about several thousand different movies. You have to develop an application that will help users to find a movie that matches their interests using several ways of filtering the data. In addition, the database may not contain brand-new movies, so you will have to provide a convenient UI for adding them to database.

## Dataset

The dataset and description can be found [here](#).

## Filters to create

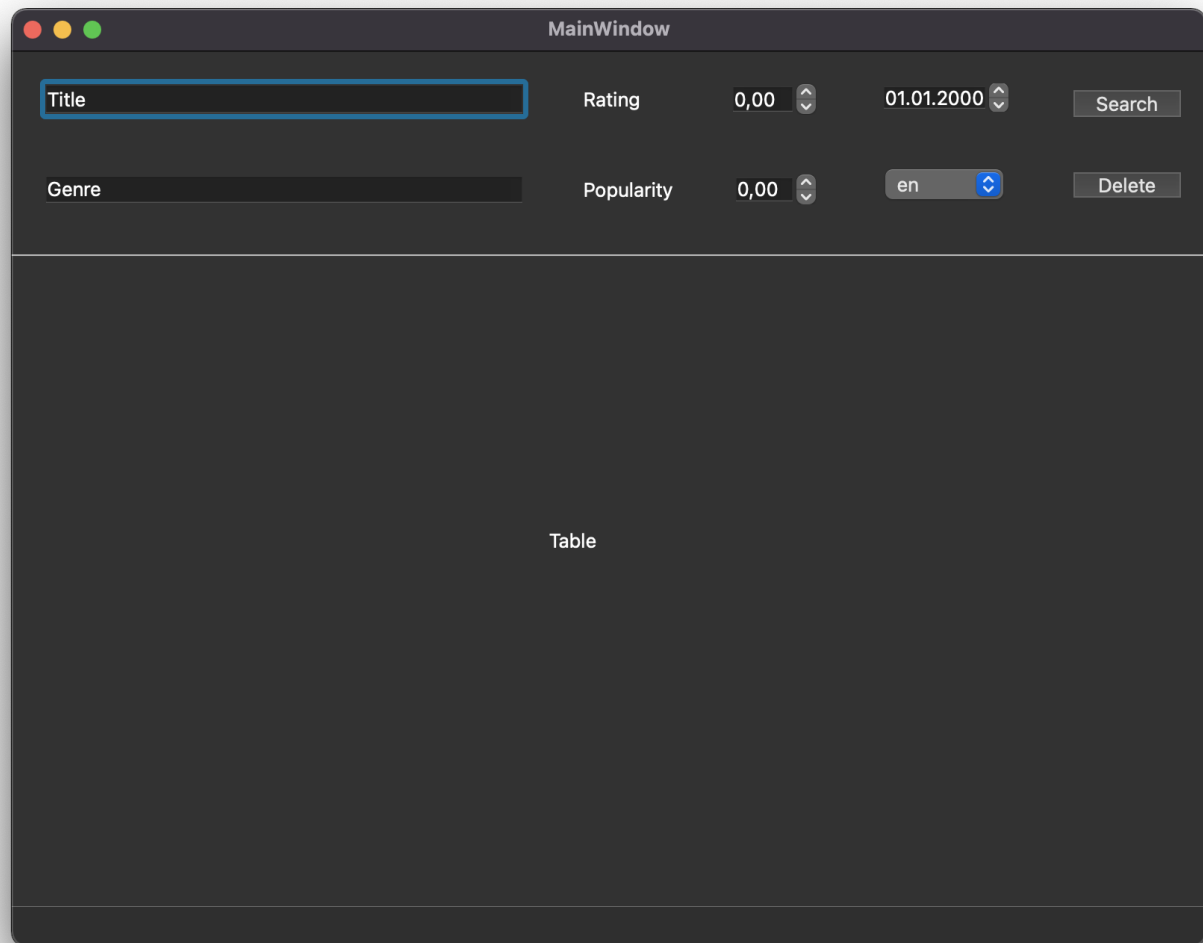
The dataset contains 9 columns, but not all of them are suitable for filtering. You can find the appropriate ones in the table below.

If the user somehow modifies the data in any way with your program (deletes/edits/inserts a record), you have to modify the file **only** when the `Save data` button is clicked.

Filter	Description
<code>Indetefication.ReleaseDate</code>	a <a href="#">datebox</a> that filters the data as follows: If the <i>date</i> is a substring of the <code>Indetefication.ReleaseDate</code> (e. g. the user only wrote the year 2020) then the movie satisfies this filter.
<code>Indetefication.Title</code>	a <a href="#">textbox</a> that filters movies by their title (Also if <i>Title</i> is a substring, the movie qualifies).
<code>Indetefication.Genre</code>	a <a href="#">textbox</a> that filters movies by their genre as follows: If <i>genre</i> is a substring, the movie satisfies.
<code>Identification.Language</code>	a <a href="#">combobox</a> that filters movies according to the original language.
<code>Statistics.Popularity</code>	a <a href="#">doublespinbox</a> that filters movies by their popularity.
<code>Statistics.Rating</code>	a <a href="#">doublespinbox</a> that filters movies according to their rating.

## User interface

### Main window

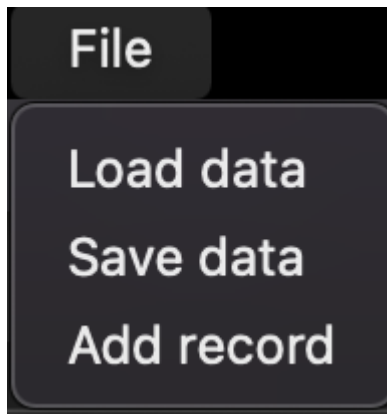


The Search button filters the records and only shows those that satisfy the filter. The delete button removes the record selected in the table (**not** from the .CSV but from the table).

The table should display all columns from the .CSV . Also, it should allow the user to modify the cells and sort the records for each of the columns.

#### Requirements for the "File" menu:

- **File -> Load data** - should show a file selection dialog and load the selected .CSV file.
- **File -> Save data** - the save file dialog should appear and save the .CSV file.
- **File -> Add record** - should show an Add Record window. Once a record has been added, the main window should be updated.



Add Record window

A dark-themed dialog box titled 'Dialog' with standard macOS window controls (red, yellow, green buttons). It contains several input fields for adding a new record:

- Release date:** A date picker showing '01.01.2000'.
- Title:** A text input field.
- Overview:** A text input field.
- Popularity:** A numeric input field showing '0,00'.
- Vote count:** A numeric input field showing '0'.
- Vote average:** A numeric input field showing '0,00'.
- Original language:** A dropdown menu showing 'en'.
- Genre:** A text input field.
- Poster url:** A text input field.

At the bottom right, there are two buttons: 'Cancel' (disabled) and 'OK' (active).

This window is quite simple - one just has to receive some input from the user and update the Main Window.