

Big HW
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Group 201
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1 Problem Statement

Create a QT application with the **movies** dataset, which loads it into a table view and allows user to add/remove a certain amount of books.

2 Individual project specification

It is located here.

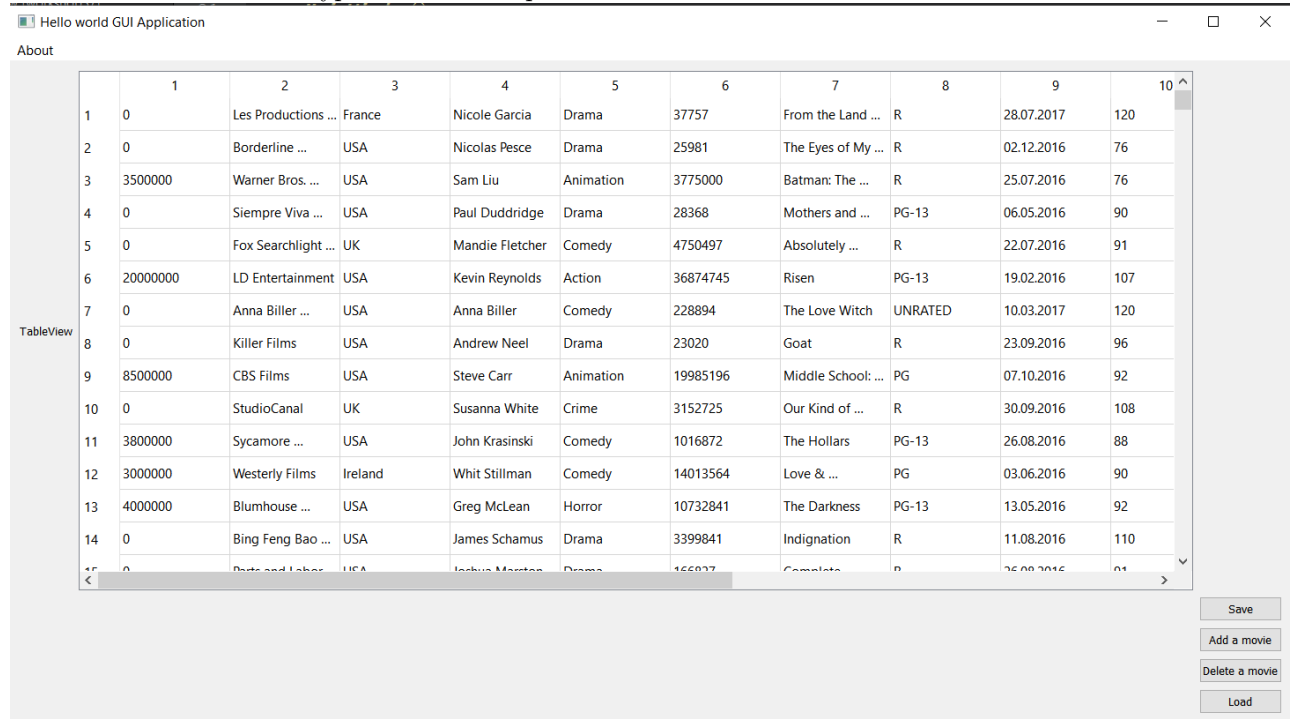
3 Implementation details

3.1 Repository

It can be cloned from here.

3.2 Implementation

I used **TableView** data type in order to represent the *csv* file.



	1	2	3	4	5	6	7	8	9	10 ^
1	0	Les Productions ...	France	Nicole Garcia	Drama	37757	From the Land ...	R	28.07.2017	120
2	0	Borderline ...	USA	Nicolas Pesce	Drama	25981	The Eyes of My ...	R	02.12.2016	76
3	3500000	Warner Bros. ...	USA	Sam Liu	Animation	3775000	Batman: The ...	R	25.07.2016	76
4	0	Siempre Viva ...	USA	Paul Duddridge	Drama	28368	Mothers and ...	PG-13	06.05.2016	90
5	0	Fox Searchlight ...	UK	Mandie Fletcher	Comedy	4750497	Absolutely ...	R	22.07.2016	91
6	20000000	LD Entertainment	USA	Kevin Reynolds	Action	36874745	Risen	PG-13	19.02.2016	107
7	0	Anna Biller ...	USA	Anna Biller	Comedy	228894	The Love Witch	UNRATED	10.03.2017	120
8	0	Killer Films	USA	Andrew Neel	Drama	23020	Goat	R	23.09.2016	96
9	8500000	CBS Films	USA	Steve Carr	Animation	19985196	Middle School: ...	PG	07.10.2016	92
10	0	StudioCanal	UK	Susanna White	Crime	3152725	Our Kind of ...	R	30.09.2016	108
11	3800000	Sycamore ...	USA	John Krasinski	Comedy	1016872	The Hollars	PG-13	26.08.2016	88
12	3000000	Westerly Films	Ireland	Whit Stillman	Comedy	14013564	Love & ...	PG	03.06.2016	90
13	4000000	Blumhouse ...	USA	Greg McLean	Horror	10732841	The Darkness	PG-13	13.05.2016	92
14	0	Bing Feng Bao ...	USA	James Schamus	Drama	3399841	Indignation	R	11.08.2016	110
15	0	Dark and Light ...	USA	Joshua Manton	Drama	155037	Complete	R	25.09.2016	81

Data can be scrolled and edit, with some cell protection, such as, specific data types for each column. User would not be able to put a string in budget column. The buttons Load, Save, Add, Delete are implemented in such way that they do not cause a crash.

Load Opens another window , such as explorer/finder, and allows user to natively find the desired file.

Save Opens another window, such as explorer/finder, and allows user to natively choose the desired location of the new file.

Delete Deletes the first row if table is valid and no rows were selected. In other cases deletes the selected rows No crash was detected.

Add Adds the new empty row at the beginning of the table if no row -/s were selected. In other cases add selected amount of rows at the selected index(native, no need to input the index)

4 Results and discussion

The desired result was fulfilled, except for filtering , sorting the data and the list of favourite films. The app itself is stable and does not crush.

5 Conclusion

The improvements could include data scrapping from websites like kinopoisk , imdb, which fould get the required information and add it to the table.