Disney + Hotstar Tv and Movie Catalog

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The purpose of this project is to create desktop application for work with database of movies and TV shows presented in Disney + Hotstar Tv and Movie Catalog using tools of Qt.

In order to implement the project, I used such tools as: QDialog, QPainter, QAbstractTableModel, QMainWindow, QShortcut, QSortFilterProxyModel, QFile, QApplication, QFileDialog, QInputDialog and QMessageBox.

List of required features:

1) The user should be able to find movies or tv shows by keywords.
2) The viewer has the ability to search by three characteristics.
3) It is possible to return to the previous page.
4) Logo is necessary.
5) The user should be able to add, change and delete data.
6) Main menu must contain item "Information", when clicked, a separate window with logo should appear.
7) UI elements should automatically resize to fit the window size.
8) User should have opportunity upload and download data.
9) Users have an opportunity to save movies and tv shows to favorites, delete from them and see this list.
10) Filters can be applied to the search characteristics such as year(older/newer), genre(drama/comedy/action and etc.) and type(movie/tv show).

They are implemented by means of:

1) QSortFilterProxyModel
2) QSortFilterProxyModel
3) Variable storing the history and reverse functions
4) QPainter
5) Function for work with data and QDialog for getting data
6) Menu bar of QMainWindow and QDialog for showing logo
7) Groupboxes and layouts
8) Functions for work with files and directories, QFileDialog, QInputDialog
9) Function for work with data and QSortFilterProxyModel
10) QSortFilterProxyModel

All stated goals were implemented. Some additional features like shortcuts were added.

So, project may be considered to be successful. Some ways of the future development: more user friendly interface, ability to work with different types of databases, using SQL for optimization, creation of web-version of the application.

Some screenshots:
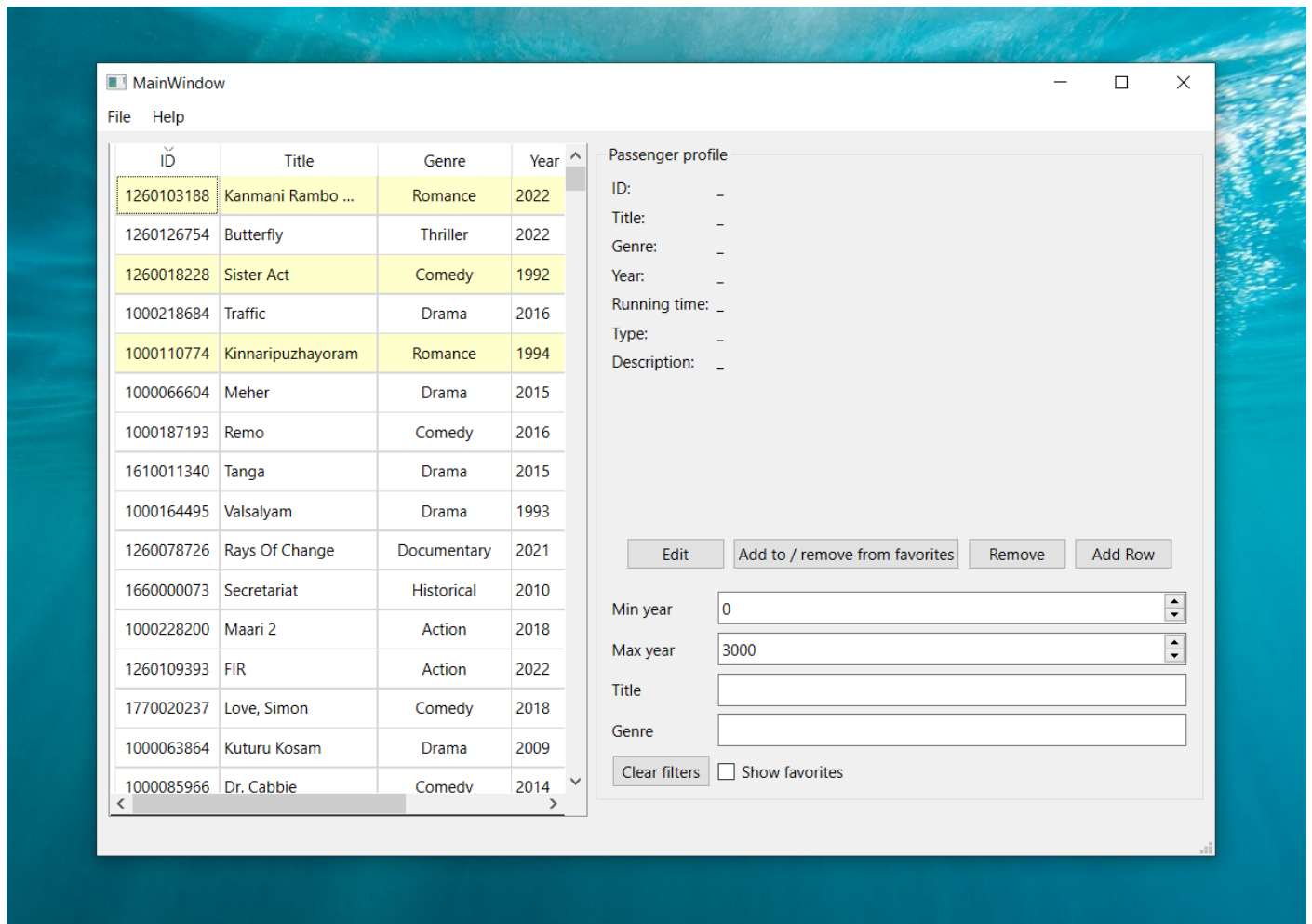
ni Rambo ... | Romance | 2022

ID: 1000218684
Title: Traffic

Dialog ✕

☐ Favorite

Hotstar ID | 1000218684

Title | Traffic

Genre | Drama

Year | 2016

Running time | 100

Type | movie

Description | art for an immediate transplant. Inspired by a true event.

the challenge of traversin
heart for an immediate t

OK   Cancel

puzhayoram

am

f Change

ariat

2

Action   2022

imon   Comedy   2018

vorites   Remove

Title

Genre

Dialog ✕

Database Project

This is a project for managing Disney + Hotstar Tv and Movie Catalog. It allows to view, add, edit, remove and download data. Various types of sorting and filtering are available too.

Shortcuts

Ctrl + S: Save

Ctrl + I: Information

Ctrl + A: Add record

Ctrl + E: Edit record

Ctrl + R: Remove record

Ctrl + F: To favorites

Author: Student#1661

MainWindow

Open data file

« C++Lessons > Final_Project_copy > data

Поиск в: data

Упорядочить ▾   Новая папка

Имя	Дата изменения	Тип	Размер
User			
Final_Project			
Этот компьютер			
Видео			
Документы			
Загрузки			
Изображения			
Музыка			
Объемные объе			
Рабочий стол			
Локальный дис			
dataset — копия.csv	10.06.2023 1:08	Файл Microsoft Ex...	1 332
dataset.csv	10.06.2023 1:08	Файл Microsoft Ex...	1 332
Exclusions.txt	31.05.2023 23:29	Текстовый докум...	1
Tasks.txt	10.06.2023 1:27	Текстовый докум...	1

50 km by
nsplant.

Add Row

Имя файла: *.csv *.xlsx *.txt

Открыть   Отмена

| 1000063864 | Kuturu Kosam | Drama | 2009 |
| 1000085966 | Dr. Cabbie | Comedy | 2014 |

Genre
Clear filters ☐ Show favorites

Sister Act	Comedy	1992
Traffic	Drama	2016
Kinnaripuzhayoram	Romance	1994
Meher		
Remo		
Tanga		
Valsalyam		
Rays Of Change	Documentary	2021

Year: 2016
Running time: 100
Type: movie

allenge of traversi
for an immediate

Chose file name

Enter file name. Recomended extension is .csv. Allowed extensions are .csv, .xlsx, .txt. In case of incorrect file name .csv will be forced.

.csv

OK   Cancel

Edit   Add to / remove from favorites   Remove

Sister Act	Comedy	1992
Traffic	Drama	2016
Kinnaripuzhayoram	Romance	1994
Meher	Drama	
Remo	Comedy	
Tanga	Drama	
Valsalyam	Drama	
Rays Of Change	Documentary	2021
Secretariat	Historical	2010
Maari 2	Action	2018

Genre: Drama
Year: 2016
Running time: 100
Type: movie

A traffic constable accepts the challenge of tra
sport a donor's heart for an imme
a true event.

Note

File with such name already exists. Do you want to rewrite it?

Yes   No

Edit   Add to / remove from favorites   Remov

Min year   0