

Movie Catalogue Application

Brief Description

You are to create an application that would help customers to find the films from some watching platform that they would like to watch according to its title, year of release, rating, director, cast, critic consensus and/or the country from where it was released. The app's main feature is a convenient searching system for users and an ability to add rating and comments which will be shown on the main page of a film or director as the latest one.

Dataset description

You are provided with a .csv file (if any problems with it you can contact me via TA's) that contains information about 100 films. Rows end with "\n", fields of one row are separated by semicolons. It is guaranteed that all fields are of format specified below.

Data

- Rank(integer) = the index of the movie.
- Title(string) = the name of the movie.
- Year(integer) = the year the movie was released.
- Score (floating point number) = the rating of the movie on "Rotten Tomatoes"
- Director(string) = the name of the movie's director (there can data as "No yet comment").
- The latest comment on the direction(string) = one latest comment on the director him\herself.
- Cast (string, names with ' ' as delimiter) = all names of the movie's cast.
- The latest comment (string, a small text) = one latest comment by watchers on the movie.
- Country, Continent(string) = the name of the movie's release country and the part of the world this country belongs to.

User interface

Main Window

- 1) All films should be listed as one under another and each film should be in the form of ("Title" by "Director" " Score") in a button like an ellipse.
Films initially should be sorted according to:
 - Score (High to low)
 - Year (for example, 2022 is higher than 2012)
 - Movie title (A to Z)
 - Name of the director (A to Z)
 - Country (A to Z)
- 2) In the middle in the up of the window there is a statement "What do u wanna watch?" with a logo near it. (Logo you can think of yourself, no restrictions, whatever you want). Near this statement there should be a button "Create your special account".

- 3) In the next line, not glued to the title of the page, there should be a text "Sort by" and three buttons ("Score", "Year", "Country") after these two words. If a customer press one of them, then there will be a new MAIN window which exactly all the same as the previous main window, but films will be sort according to the feature which the user selected.
- 4) In the right down corner of the page there should be a search icon, as a loupe (or it is too hard to implement you can replace it by word "Search", but loupe is preferable).

Features:

- 1) If a user press a button "Create your special account" a new window will be opened. The format and design of this window is drawn on the app's sketch.
 Name: input string
 Surname: input string
 Films from: a user can choose at most three regions and at least one region, options are North Asia, Asia and Europe.
 Favorite actor/actress: a user can choose from all actors that are listed in the field "Cast". Make sure that there is no repeat of one actor.
 Favorite director: a user can choose from all directors that are listed in the field "Director".
 Birthday: A user choose subsequently a day of his birth (integers from 1 to 31), a month (integers from 1 to 12), year (integers from 1800 to 2023).
 Then, in the right down corner there is a button "CREATE". On which a user should press after entering his data.
- 2) After creating an account the main window should have several changes:
 - Instead of "Create your special account" there should be "Edit your special account".
 - Films should be selected from the whole list of films according to the preference of user. List films first according to their continent (i.e. region from A to Z), then their country (A to Z). Then, if user's favorite actor is in the cast list of a film satisfied the selected region, then this film should be placed higher than the film who satisfies only the region. Then, you look on the director, the same strategy as with actor. Recommend the films that are at most 10 years older than the user or appeared after the user's birth.
- 3) A user can edit his account and the main window should have changes as in 2).
- 4) A user can also delete the account. You should require the fully consent of the user to delete it and ask him about it. After pressing "YES" on the window of asking the sureness, show that the account is deleted. After, the user can press on the button "OK", return to the initial main window.

Additional features:

- 1) User can search for movies of a concrete category. If he presses on the loupe (or "Search" button), a window with options will appear. There are 6 categories: Score, Year, Country, Director, Actor and Movie title. For Score, Year, Country, Director, Actor, a user should CHOOSE from the given options (as previous cases), for Movie title he should enter the title of the movie. After pressing "Submit" all films of the chosen category

should appear as a list and be sorted only by rating. If no films satisfy the chose category, then give a window with “Sorry, no results found☹” and button “Back” in the right bottom.

- 2) User can give a score to a film. If he presses on one of the ellipses on the main window another window with the details of a film will appear. The look of the window is detailed described on the sketch. Cast should be listed as it was in the dataset. The name of the director is a button on which a user can press. If a user presses on button:
- “Give your score”. A new window with “Your score is” will appear. User choose from the integers from 0 to 10. After pressing submit, a new window will appear with the profile of a film. Score should be recalculated as the average between the initial score and the score given.
 - “Give your comment”. A new window with “Your comment is” will appear. User can write up to 50 characters. After pressing submit, a new window will appear with the profile of a film. The latest comment should be changed on the comment which was entered just by the user.
 - Name of the director. If the director has “No yet comment” previously, then just display it as the latest comment. A new window with the profile of the director will appear. The description of the window is detailed in the sketch. Films should be listed according to alphabet. Pressing on the button “Give your comment” identical strategy as with the previous point.

After pressing “Back”, “Submit”, “NO”, “YES”, “OK” or “CREATE”, the window on which the button was located should be closed.

SKETCHES:

Main window

«About»
page logo

★ What do u wanna watch? create your special account

Sort by

ABC life by J.K. Miles 6.5

God Bless by Dorianana 4.7

Your special account

Name:

Surname:

Films from:

Favourite actor/actress:

Favourite director:

Birthday: day month year

Options: North America,
Asia,
Europe

all actors and actresses
that are in the field
of 'Cast'

all directors in the
field 'Director'

creating an account

make changes in account

★ What do u wanna watch? edit your special account

Sort by

America life by Jahnna K. 5.8

LA and I by Kate K. 4.1

Your special account

Name:

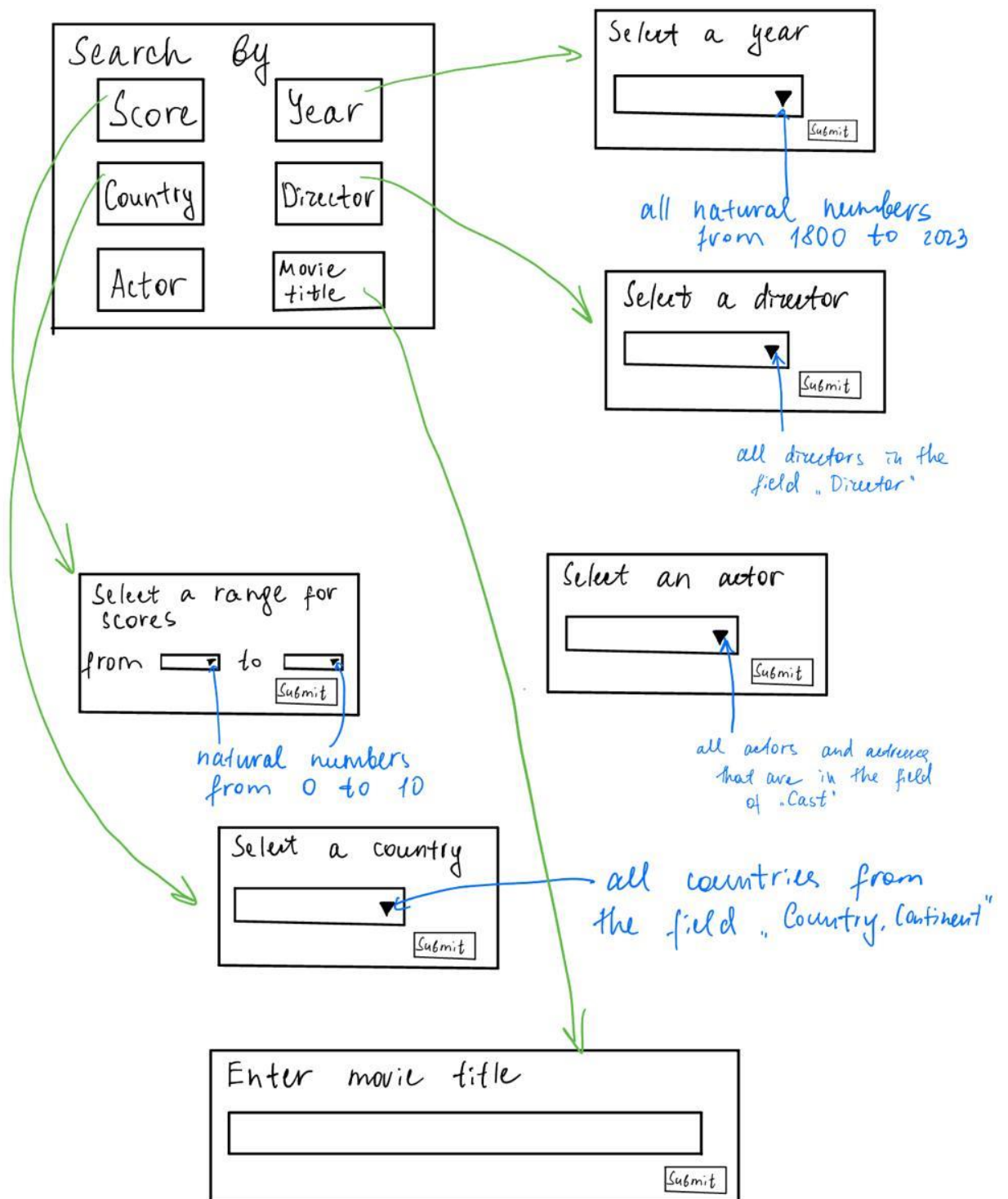
Surname:

Films from:

Favourite actor/actress:

Favourite director:

Birthday: day month year



Example of search

Select a year

2018 ▼

Submit

★ What do u wanna watch? edit your special account

Selected "2018"

ILU by Christ W. 9.8

Calculus1 by Orel E. 8.1

_____ 🔍

Enter movie title

Calculus

Submit

★ What do u wanna watch? edit your special account

Connected with "Calculus"

Calculus1 by Orel E. 8.1

Calculus2 by Orel E. 6.1

_____ 🔍

OR

Enter movie title

Our life

Submit

if not found in the dataset

Sorry, no results found:(

Back

Deleting the account

★ What do u wanna watch? edit your special account

Sort by

America life by Johna K. 5.8

LA and I by Kate K. 4.1

Your special account

Name:

Surname:

Films from:

Favourite actor/actress:

Favourite director:

Birthday: day month year

Are you sure you want to delete the account?

The account is successfully deleted!

to initial window

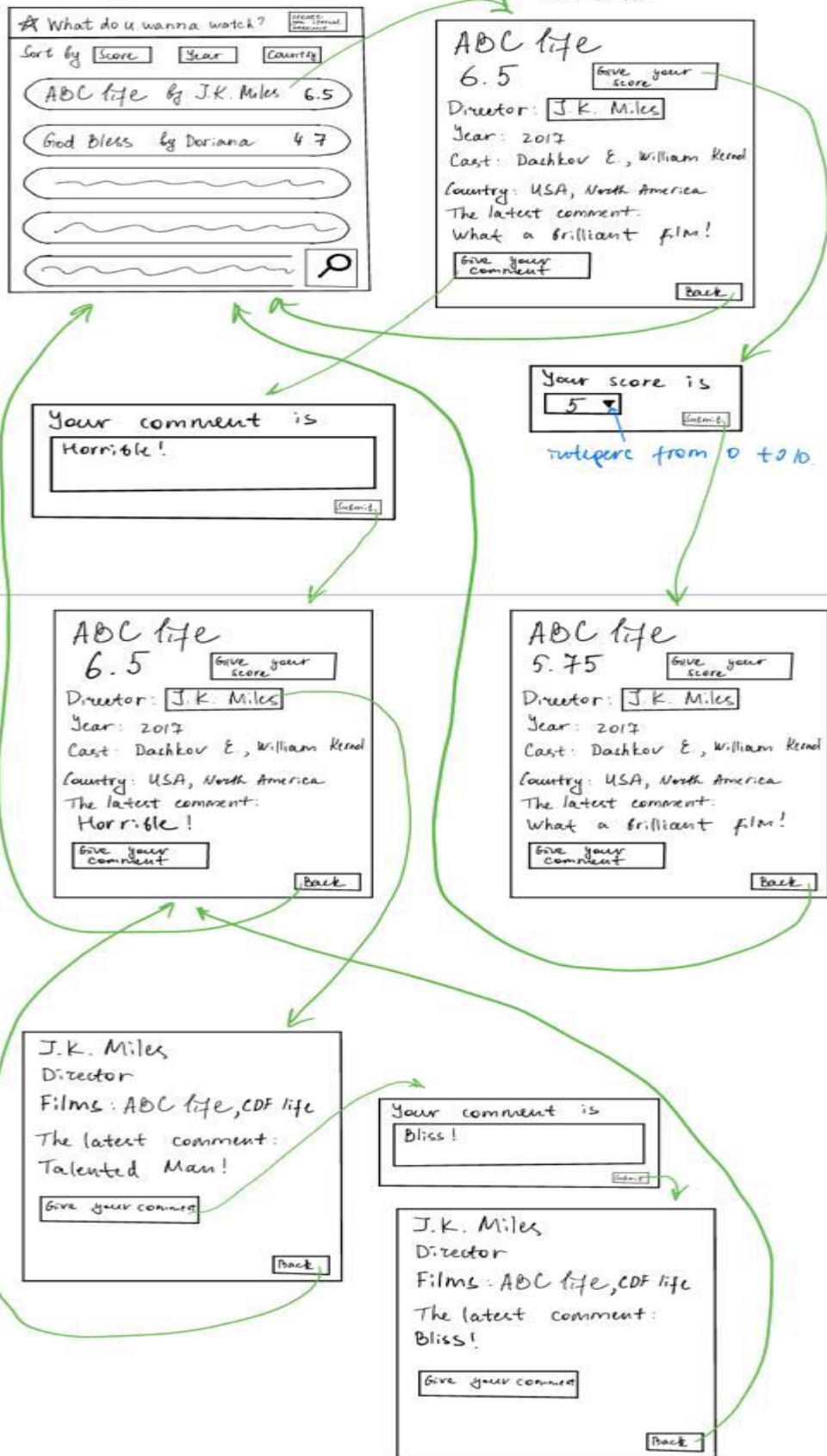
★ What do u wanna watch? create your special account

Sort by

ABC life by J.K. Miles 6.5

God Bless by Doriana 4.7

giving score, comment on film or director



Remark: Good luck)