Instructions for start-up and operation of the project

Content

Introduction

Web application consists of client and server parts, thereby realizing the technology "client-server".

The client part of implementing a user interface that generates requests to the server and processes the responses from him.

The server part receives a request from a client, performs the calculations, then creates a web page and sends it to the client over the network using the protocol HTTP.

On the client side is used:

To implement the GUI:

- HTML;
- CSS;

To create an interactive and independent from the browser interface:

- JavaScript;

On the server side using:

- PHP - as a scripting programming language;
- MySQL - as the primary database;

As the Web server uses a built PHP server.

The structure of the project
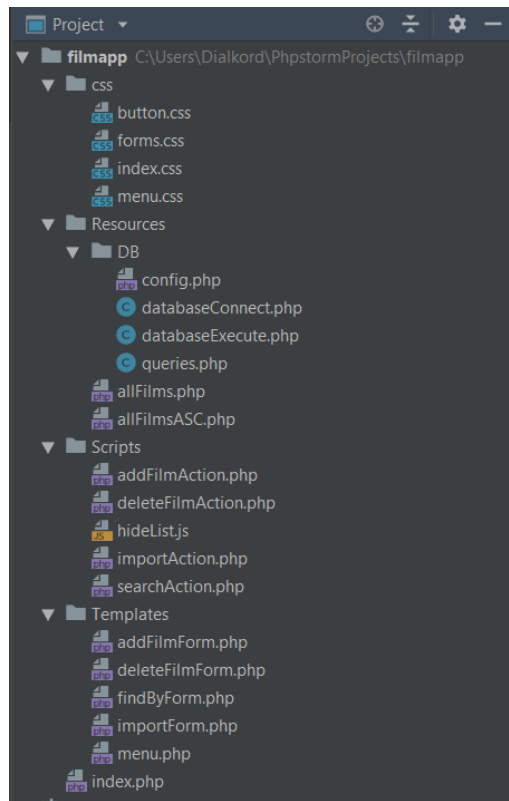
The project structure is as follows (Figure 1.)

Fig. 1. The structure of project folders.

The ***css*** folder contains a web application styles. ***Resources*** includes tools for working with the database, as well as the scripts main page of the application. The ***Scripts*** folder contains all the basic scripts. And in the ***Templates*** folder - all the forms and the application page.

Required settings before starting work

First we need to install the necessary components, namely:

- PHP
- MySQL
- PDO extensions for MySQL

After that, you must open a terminal and go to MySQL, this requires the appropriate command:

Starting the console in Windows:

Win + R to open the Windows command prompt as an administrator;

Enter the command cmd;

Press Enter on the keyboard;

Starting Linux distributions console (terminal): Ubuntu, it is that I worked enough system keyboard shortcuts Ctrl + Alt + T.

To start connecting to the MySQL server under standard root user, which is created when you install MySQL on your computer and for which the default is allowed access to localhost:

```
mysql -u root -p
```

When the requirement to enter a password just press Enter (if you have not introduced, of course, when installing MySQL). After that, you will be connected to the MySQL server by assigning you a connection ID and obtain access to the MySQL command line.

Next, you must create a new user for this use:

```
CREATE USER 'your_uesrname' @ '%' IDENTIFIED BY 'your_password';

CREATE USER 'your_uesrname' @ 'localhost' IDENTIFIED BY 'your_password';

GRANT ALL ON * * TO 'your_uesrname' @ 'host_or_IP_of_your_workstaion.';

FLUSH PRIVILEGES;
```

After that create the database:

```
CREATE DATABASE your_db_name;
```

And the table films (optional, since when you first start the table will be automatically created):

```
CREATE TABLE films (id INT NOT NULL AUTO_INCREMENT, name
VARCHAR(255),year  INT(11), format  VARCHAR(255),  actors
VARCHAR(255), PRIMARY KEY(id));
```

If you want to expand the database from the .sql file, then you need to run the following * command:

```
mysqldump  -u  user_login  -p  user_pass  db_name  >
path/to/file/dump_file_name.sql
```

where **user_login** is the username of the database **,** **user_pass** is the password of the user, **path / to / file / dump_file_name.sql** is the path and name of the file that will contain the data of the database export (For example: C: /my_file.sql).

* You can execute the file filmapp.sql in order to execute all commands one-time (attached).

The project is mainly the configuration file the user name and password are "admin", and the database name, and "films" table.

Next, go to the directory where your PHP and find the php.ini file. It is necessary to enable (uncomment) PDO extension to work with the database:

```
extension = php_pdo_mysql.dll
```

and see if the option file_uploads is enabled and upload_tmp_dir:

```
file_uploads = On
```

```
upload_tmp_dir = / tmp
```

Next, you need to open the configuration file (Resources-> DB-> config.php) and check whether the data is same as the current (database name, user, password, etc.).

Now go to your project directory and open it in a terminal to start the embedded Web server:

```
php -S localhost: 80
```

Congratulations! All preparations are completed!

User's manual

You can start using the application. To do this, go to your browser and in the address bar enter localhost. The result is shown in Fig. 2.
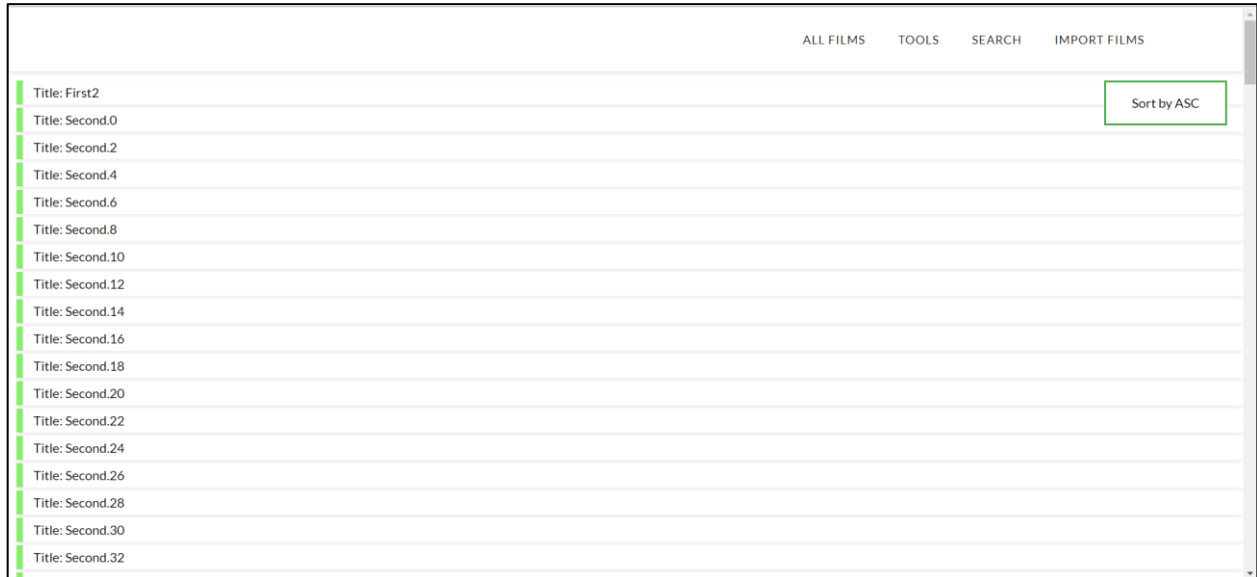

Fig. 2. Annex filmapp.

Importing movies from a file

You have the list of films will not be, because they do not exist in the database. In order for them to appear, you need to go to IMPORT FILMS tab (Figure 3), click "Select a file" and choose the txt file of this structure (Figure 4):
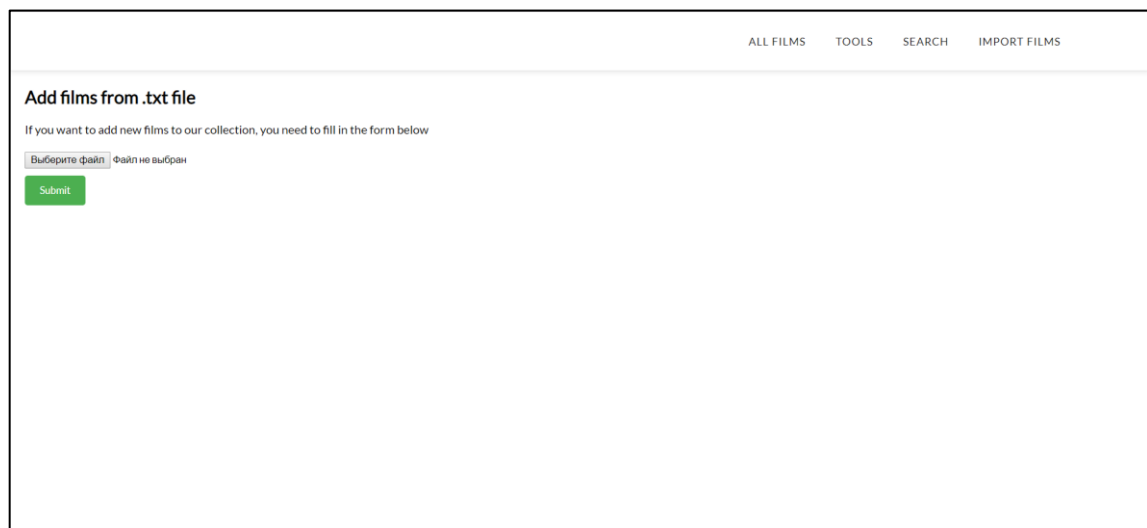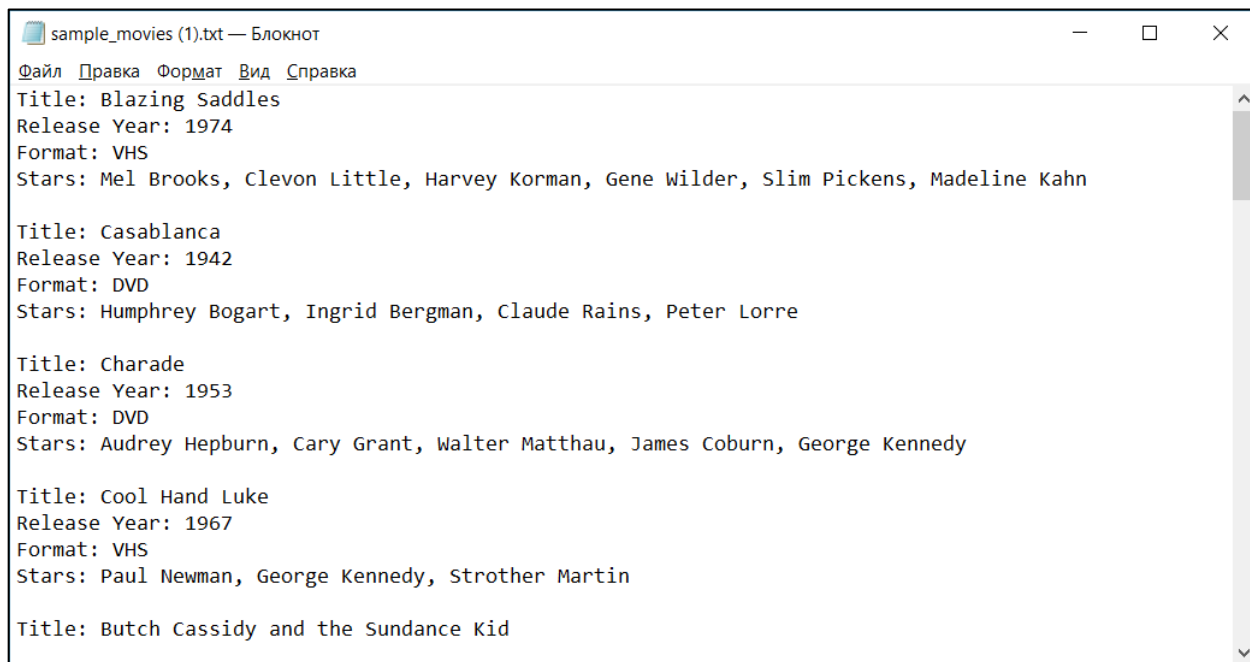

Fig. 3. Tab «IMPORT FILMS».

Fig. 4. The structure of the txt file to import.

Adding a movie

Or you can simply add a new film on the tab «TOOLS-> ADD FILM» (Figure 5) and fill out the form:

Fig. 5. The form for adding a new movie.

Deleting movies

To remove the film, you need to go to the tab «TOOLS-> DELETE FILM» (Figure 6) and fill out the form:

Fig. 6. Form to remove the film.

Search movies

To search the movies, go to the appropriate tab «SEARCH» and in front of us appear the search form (Figure 7.), Which is filling, you can find a desired movie (if it is in the database):

Fig. 7. The form to search for movies.

Details and ordering

To get detailed information about the movie, you need to go to the home page «ALL FILMS» and click on the name of the desired movie (Figure 8.):

Fig. 8. Details of the film.
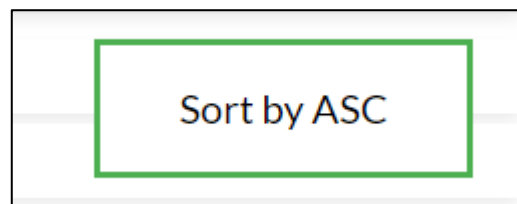
To sort the list alphabetically, you need to press «Sort by ASC» on the main page (Figure 9).:

Fig. 9. Type sorting button.