Hacettepe University

Computer Science and Engineering Department

Database Management Systems Laboratory Experiments Project

Phase 2

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Course : BBM 473 – Database Management Labarotory

Subject : Film Database System

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1. **Content of Project**

Our project is a cinema archive (movie information) site. It is aimed to share information about the films on this site. Films are divided into various categories according to their types. These categories are grouped under 7 headings as comedy films, horror films, romantic films, adventure films, animated films, action film, and drama.
People who use the system are divided into site members and guests. Site members are divided into two groups as system administrator and users. The system administrator has all rights over all archive information. Site members (in other word users and administrator) can add new films into these archives. Also they can update and delete the movie information that self-added. The films to be added do not have to be old movies. Site members can also share about the new films' informations that will enter the vision. Site members can comment on each other user's shares. But guest has not these authorities.

Without registering on the site, movies can be searched and catalog information can be displayed. They only can view the page content. They can not write or change anything. Additionally system members can vote for the movie content based on their liking.

Each content will include information about the film name, content of the film, date of publication, actors, directors and employees. Also producer company information can be found. Like the performers (actors and actress), directors and crew information.

2. **Progress of The Project**

First of all, we prepared the necessary environments to run the project. We downloaded the xammp and mySQL server to test our project. Apache and MySQL in Xammp allow us to test and run our website. Our database was stored in PhpMyAdmin.

We shared project parts because we did the project two people. First, we made a schedule. Because we could not work with a common database or server, we left the interconnected parts at the end. We both knew only simple tags about Html. So we could not creat a complex site and we could not directly work in this project. So we created a basic website homepage. Php is a technology that works with html is a great advantage and convenience for us, but sometimes it caused the code complexness. When we received the information from the user, we went to the login section. We got unique username, password and e-mail from the user. We used md5 for password encryption first because it would be dangerous to keep the password clearly in the database. However, from the information security lesson we remember that Sha-1 is more secure, so we did this encryption with sha-1. We have written a php class for the functions that related to user operations, and a php file for the database connection operations. We have always done session operations with this object created from this class. For the ER diagram we created in the previous phase, we created the

database tables. We saved the codes of these tables in the create.sql file. We've both examined the login screens, homepages, their CSS and html codes on the internet. We have created our website in cumulative way by constantly adding new features and new codes to website that we did. We were constantly adding elements to the database to check the web page.

We then created an insert.sql to insert the database elements. We have done select operations of these data for the fields on the web pages and have tried to not visually arrange them. The construction of the project is generally thus. Because of we explained what fields we added and what operations can be done and somethings like these in title , we did not write to this area again.

There were also things that sometimes forced us. We got a lot of database errors due to MariaDB, especially faults due to the quotation marks. Then we chose a study to fulfill the expected obligatory conditions . At this stage, we both tried to a lot of details. Many small details such as radio buttons, listing methods, their alignments, feature of CSSs etc. took a long time. Also we lost a lot time with overlapping occurrences because we could not fully control CSS. There is a requirement to use a trigger for the project. We know the logic of triggers. But we could not apply the database in no way. The codes on the course slides, the codes we found on the internet did not work. It took a lot of time and it was tired.   Besides, these mistakes helped us on case. We divided html code on wrong place and it prints to "style" on webpage logo. So we found our web site's name as "Style Films".

3. Used technologies

We used PHP as programming language in our project. We used html that is the standard text markup language for creating web pages. We used CSS with the html for obtain more beautifully and visualize website. MySQL was used as database management system in this project.

4. Usage of Web Page " Style Films"

On the upper right corner of the homepage of the web page, there are titles such as films, actors/actrist, directors and forum(In figure-1). It also directs the relevant pages which are written under the pictures on the main page.

When you clicked "films" header, it directs to another php page.

A warning message is displayed in the required fields in each form screen.
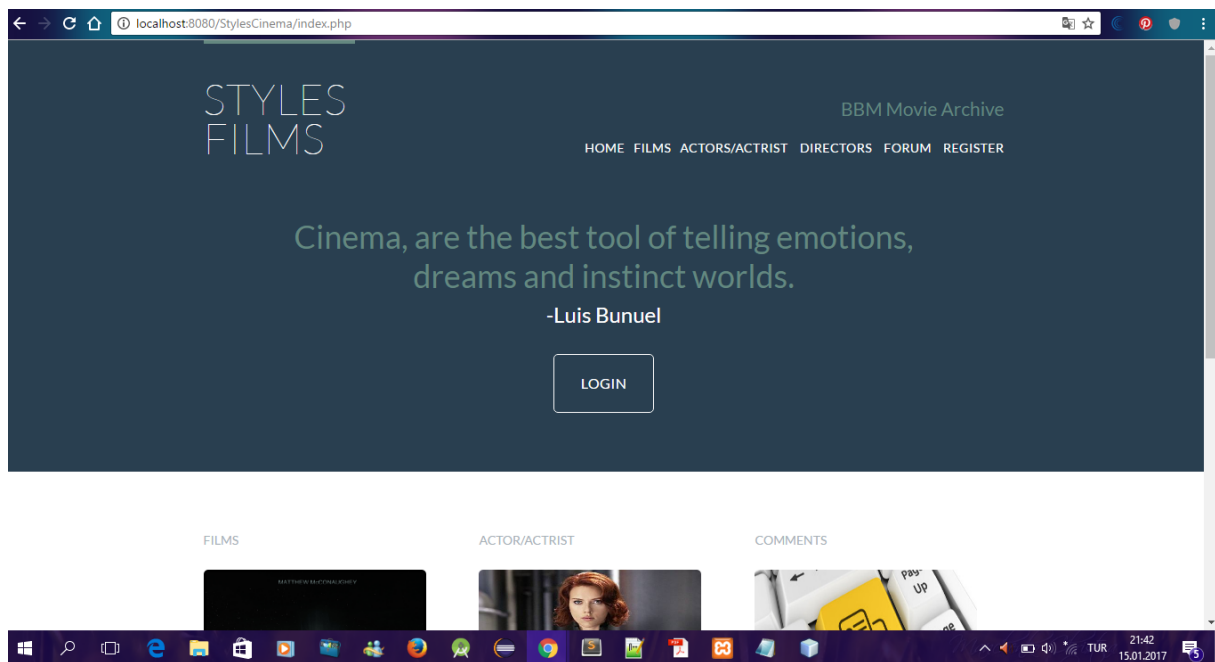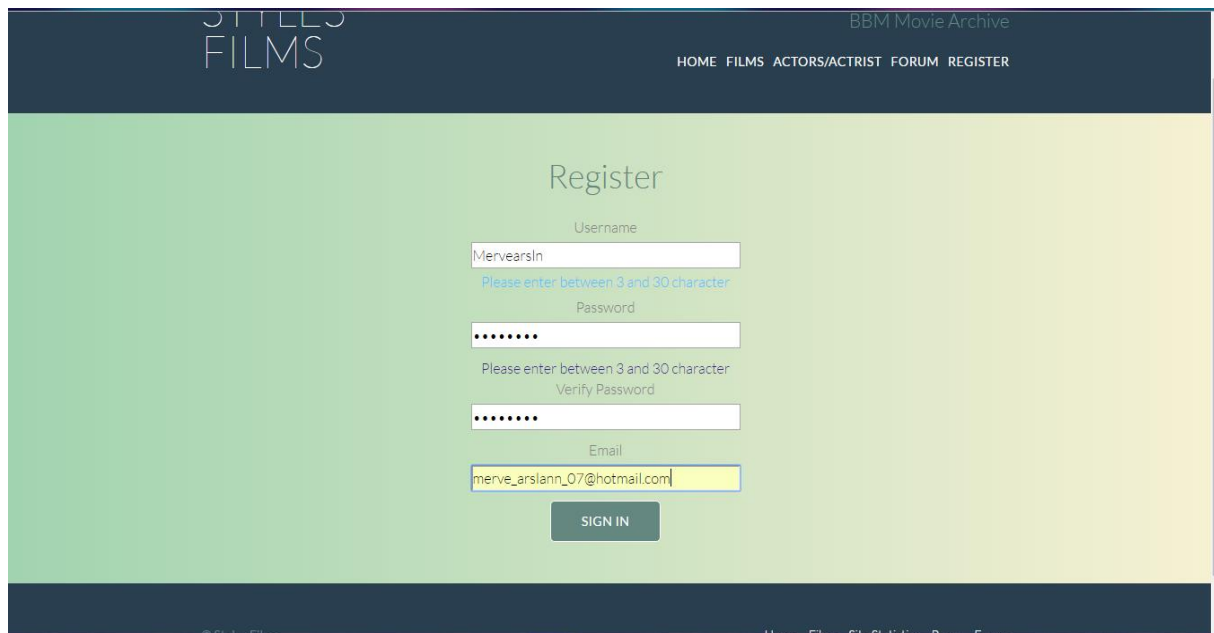

Figure 1- Homepage

There are also a register button in this field. Users can register here on the site. If the user clicks on this register button, a screen like Figure-2 opens.

Figure 2- Register Screen

The user can subscribe to the site by entering the user name, password and email address.

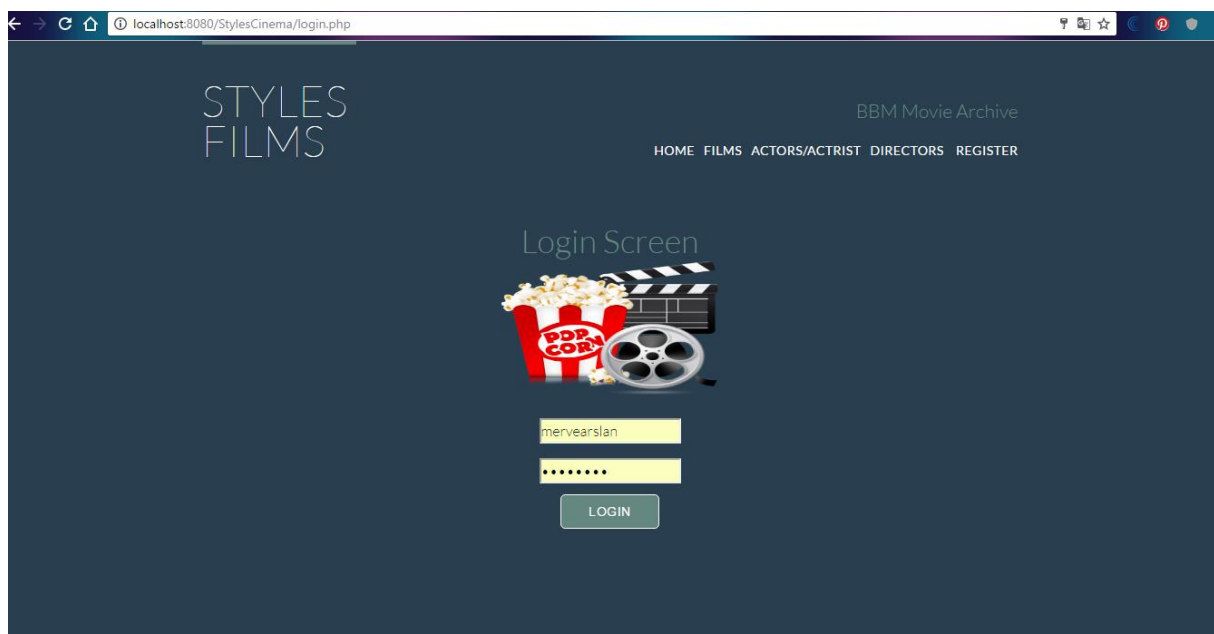After registering on the site, you should go to login screen for login.

Figure 3 - User Register Screen

After registering on the site, you should go to login screen for login. (Figure-4) You must click the login button on the main page for this. You can register on the site with your username and password.
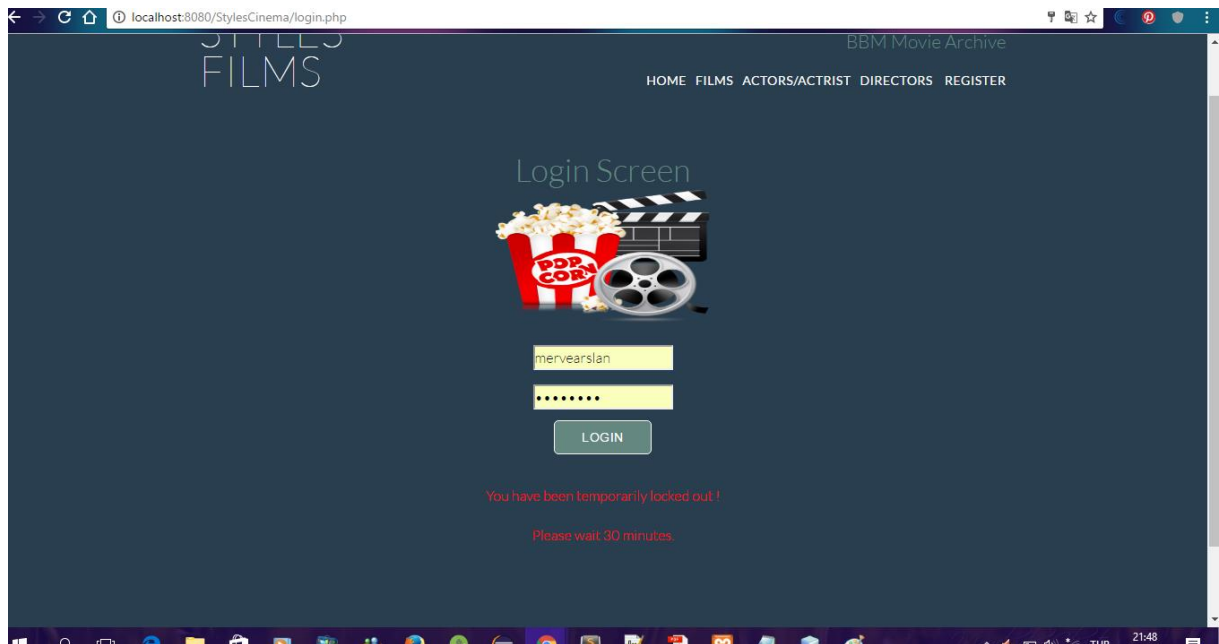

Figure 4-Login Screen

There are certain rules for security precautions when incorrect password or user name are entered. (Figure-5)
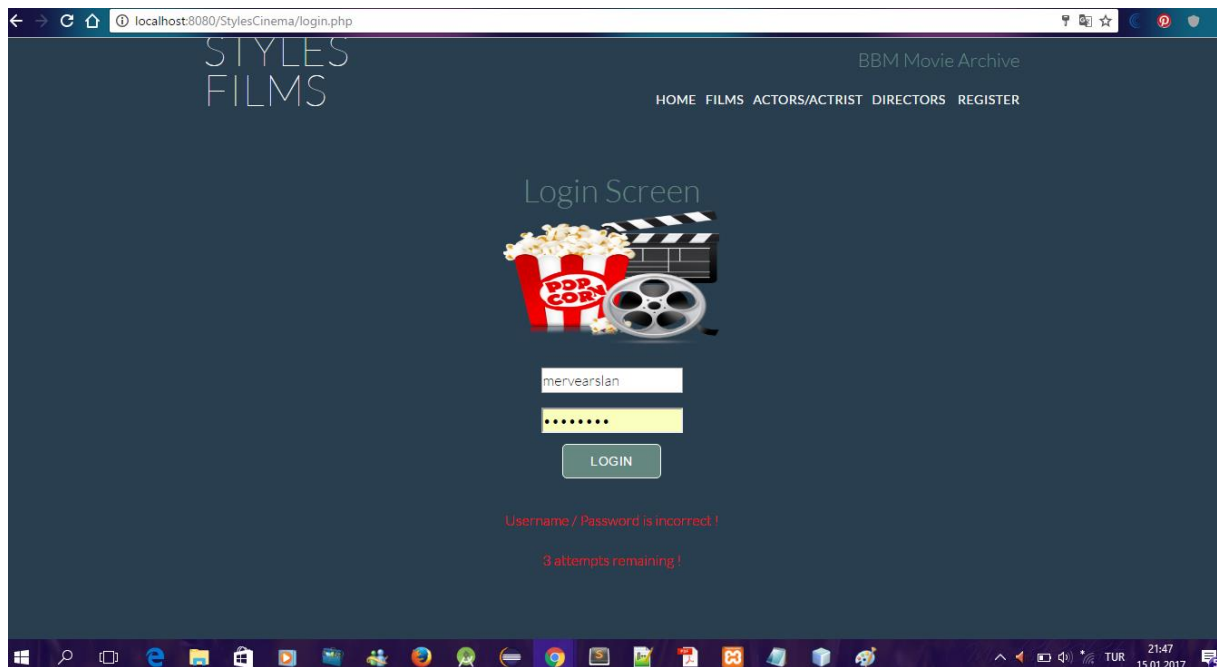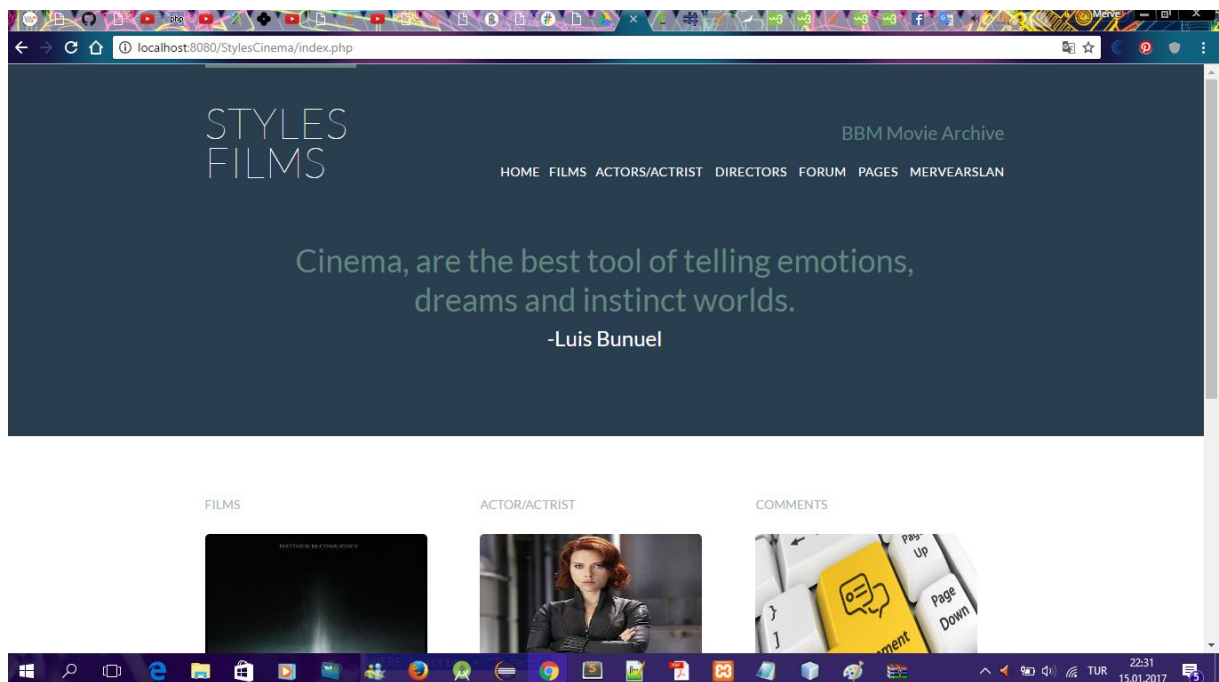

Figure 5- Login Screen and Error Messages

You can make three mistakes (In figure-5). If you do the fourth error, you will have to wait 30 minutes to log in… (In figure-6).

Figure 6 -Login Screen and Wait 30 Minutes Error Message

Figure 6 - Homepage after login operation

If a user has already logged in on the site, the username is written in the same place when the user logs in (Figure-6)

You can go to these pages by clicking the relevant buttons to view the films, players and directors (Figure-6). If you click on the Films button, a page like Figure -7 will be opened.
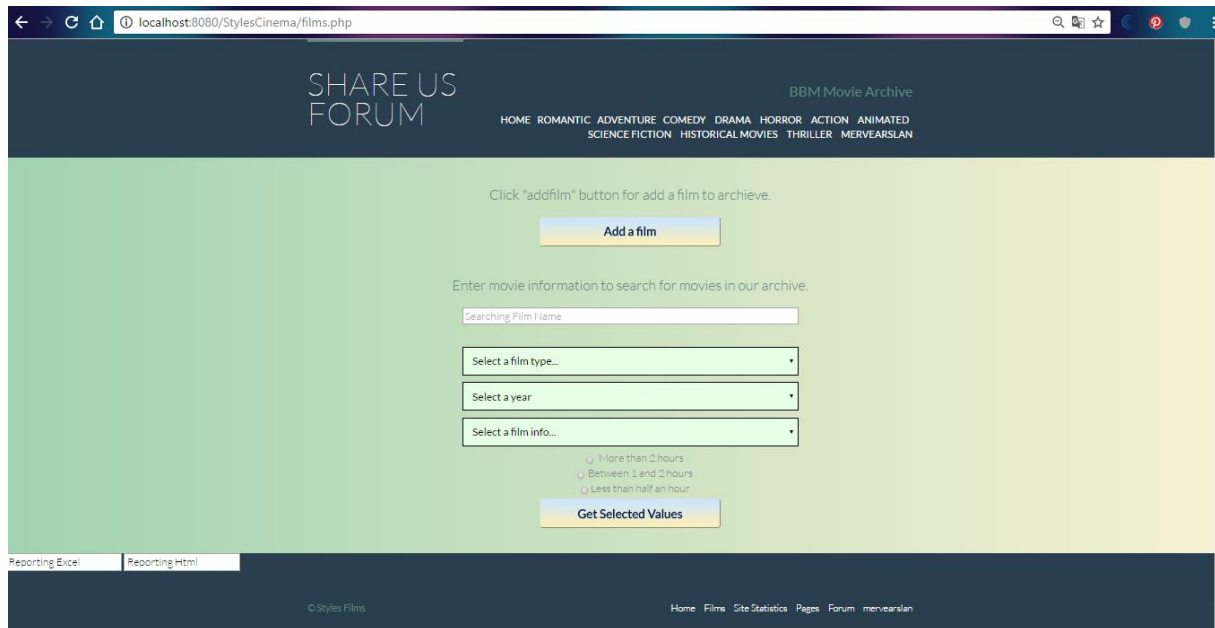
Figure 7-Films Screen

In this page, you can click on the "Add Film" button to go to our archive page for the movie.(Figure-7) The page to be opened when this button is clicked is shown in figure-8 . You can also add movies and banners to our archive by entering the requested information in the same way.

Or you can select a movie by entering the criteria you want. (Figure-7)

You can also click on the top movie types to look at movies of a certain type.

It is obligatory that every field on the movie add screen is filled. An example is shown in Figure 10.
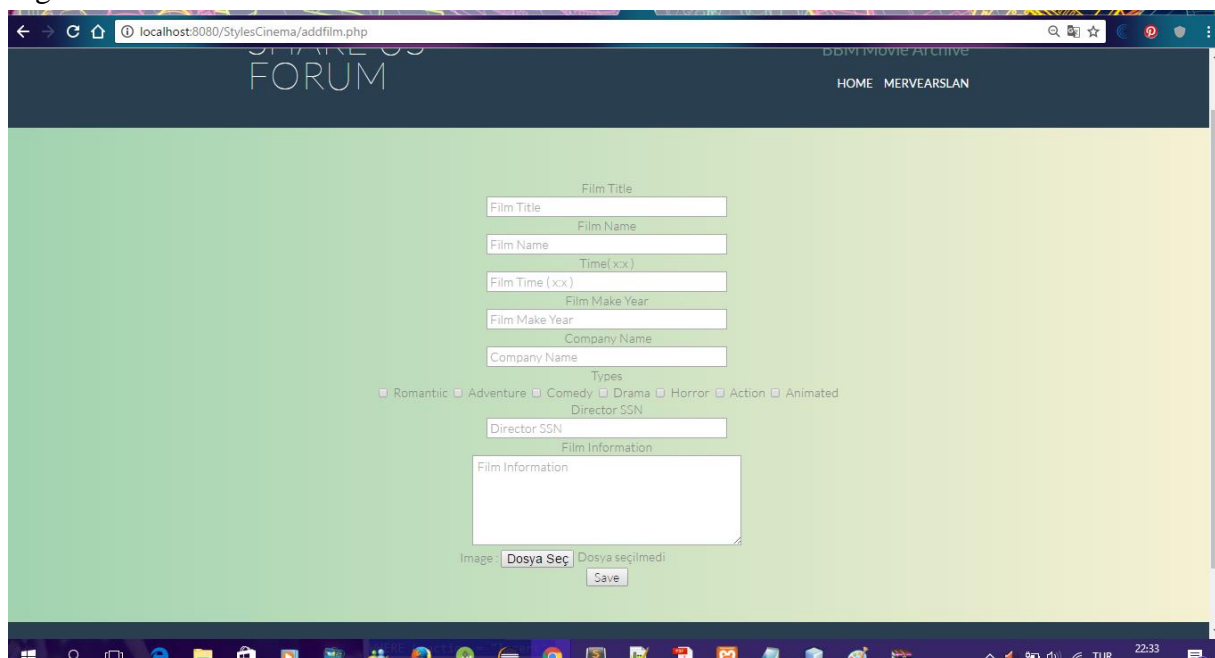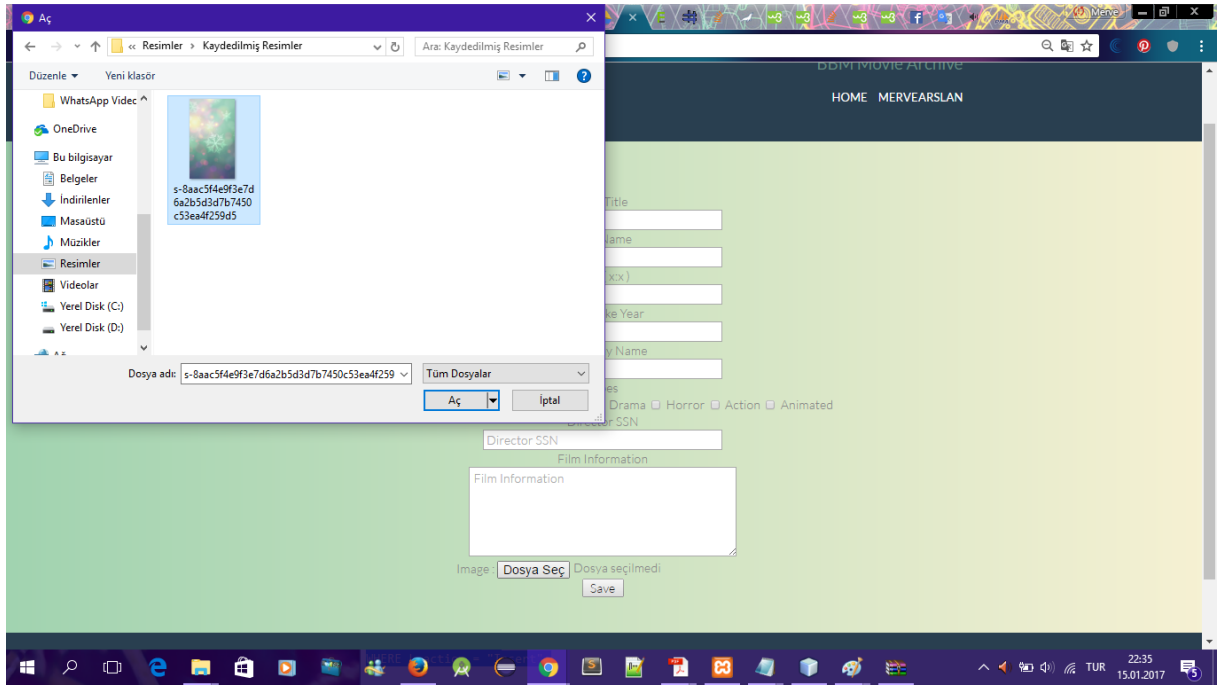

Figure 8- Add Film Screen

Figure 9- Add banner
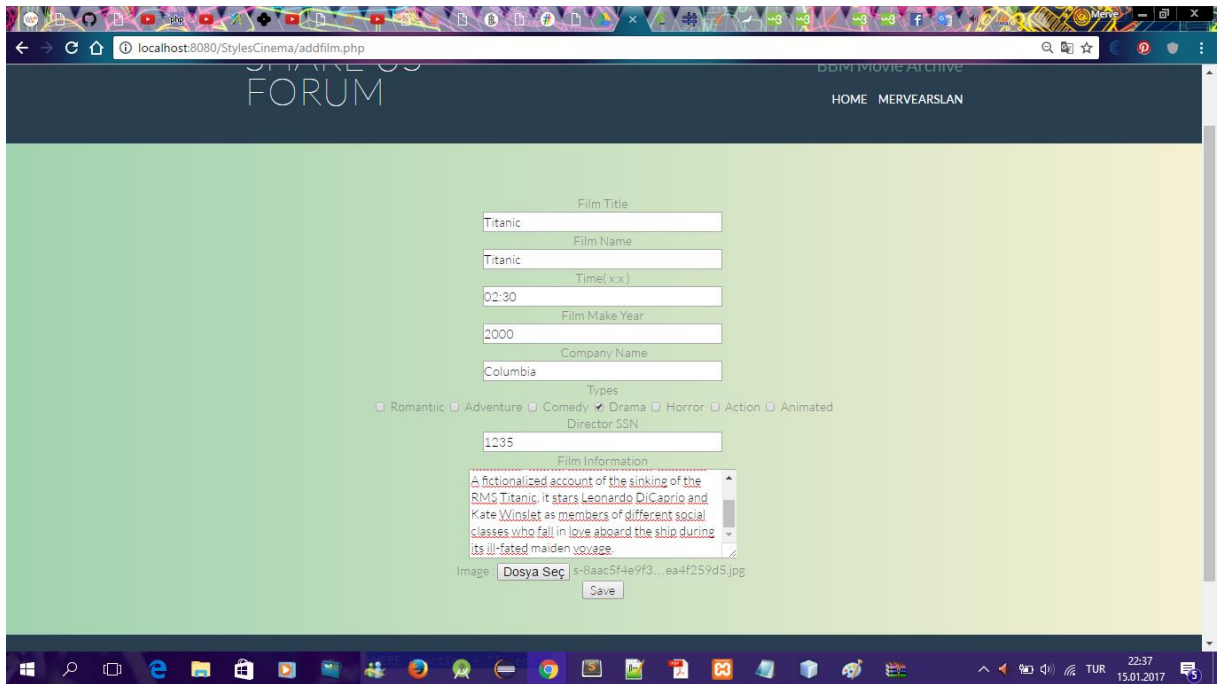
Use the image button to insert movie banners. (Figure-9)

Figure 10 - Add Film Screen

If you click on this field, the window will show "log out" and "change informations" fields. If the user clicks log out, he exits from his account. If he clicks "change informations" page changes and comes a new part. User can change the password, change the his e-mail or delete the account in this part.
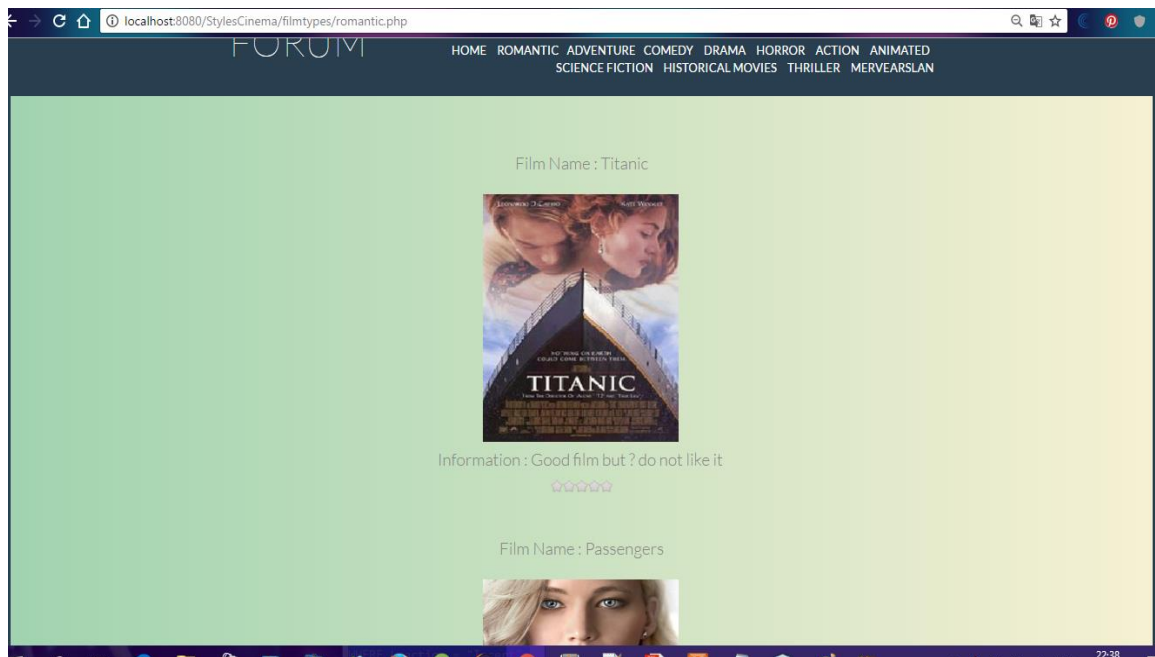
Figure 11- Romantic Films
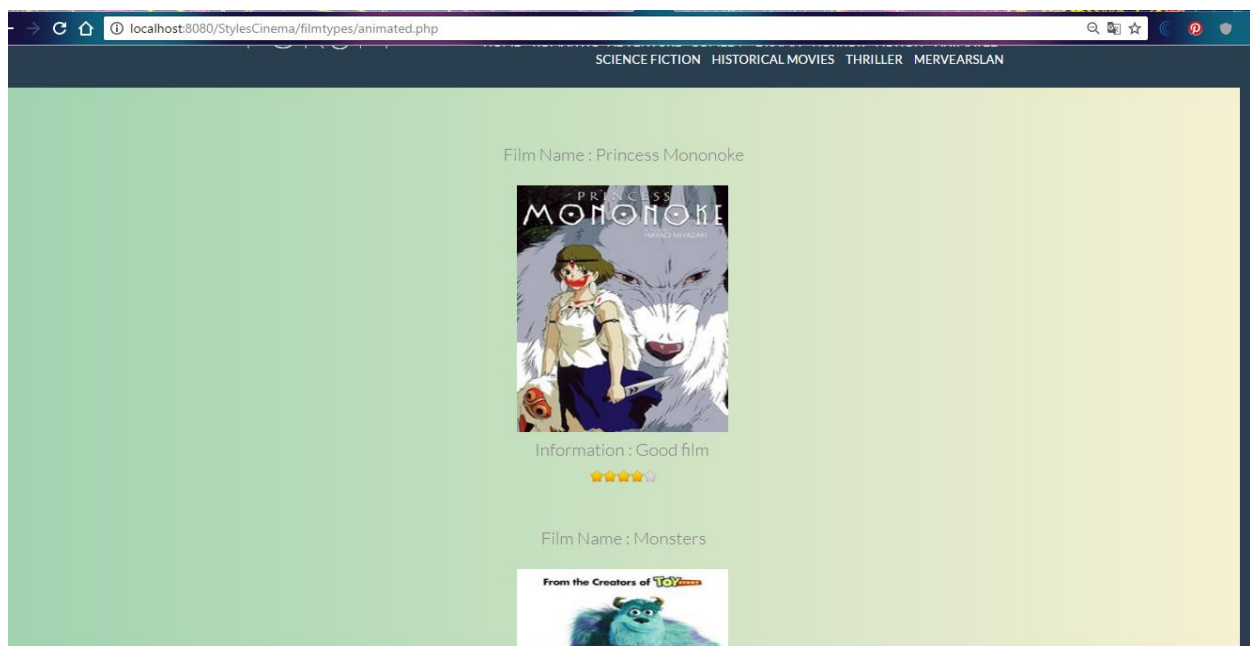
Figure 12-Animated Films

You can click the "statistics" button in the footer to look at some statistical data about our site. The information you will see in the statistics page is shown in figure 13 and figure 14.
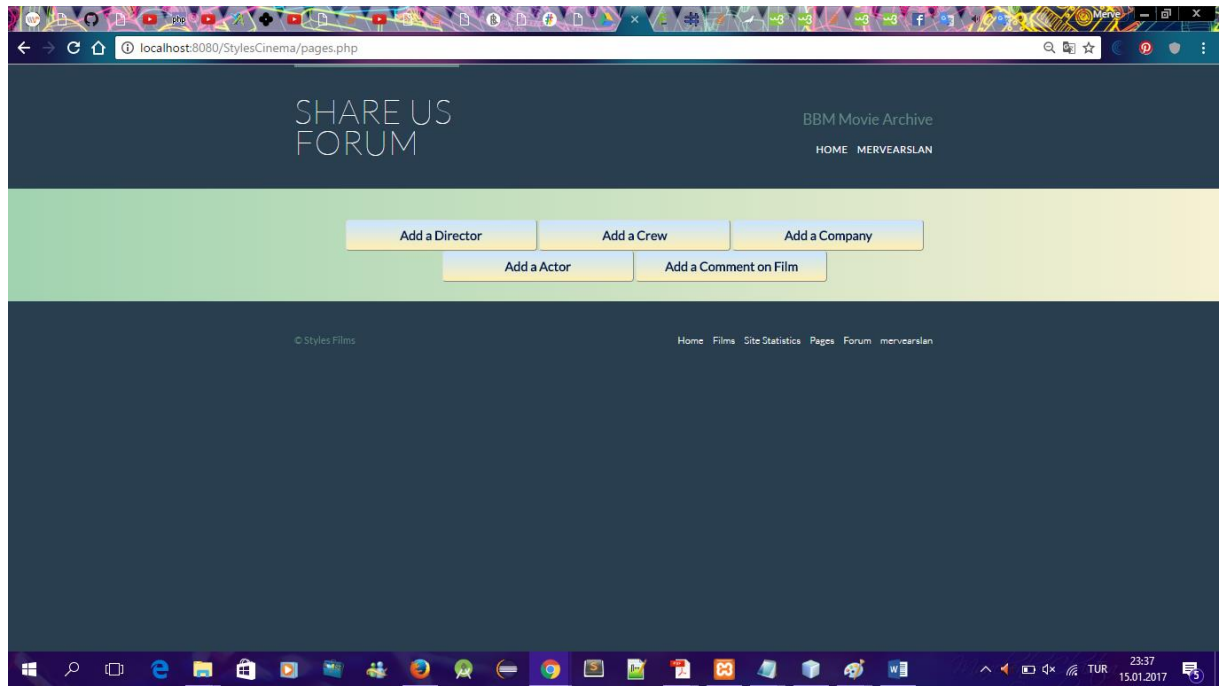
Figure 13-Statistical Information

Figure 14- Statistical Information (Cont.)

We have collected the buttons that can be done on the films as a control page. (Figure-15)

Figure 15 - Operations on films

In general, there are directing buttons on our site. You can easily find what you want with these buttons.

5. Bugs

At this project, there is not a bug that we noticed. There are some deficiencies. However, these are due to the additional features that we put in addition to the project. We are planning to develop these later.

6. Future Extensions

The ability to add photos for users will be added. In this version, the user's photo is determined as default by the website. There are two types of photos, one for those who are site users and one for guests.

In this version, people are not allowed to comment on the movie page. A page was created to comment. All comments are here. Film labeling can be done to organizing comments.

In the footer of the web page has same headers with the on the top bar. We will update the headers in footer and put links to different information such as contact information.

More statistical data can be put in. We are planning to make graphic models for them.