



## **CS 2111-2 Web Application Development**

### **Final Project Report - Fall 2022**

#### **The MovTic Cinema Website**

Group Members:

**Jana Abu Hantash – S21107114**

**Ahmad Elmaamoun – S21207525**

**Zuha JamalHaririe – S21107198**

Instructor: **Dr. Mohmmad Nauman**

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# 1 Basics

## 1.1 Your group members?

Group member 1: Jana Abu Hantash – S21107114  
Group member 2: Ahmad Elmaamoun – S21207525  
Group member 3: Zuha JamalHaririe – S21107198

## 1.2 What is the topic of your final project?

The MovTic Cinema Website

## 1.3 Who is the intended audience?

The intended audience are anyone who would like to book and e-ticket to the latest movies in the MovTic cinema.

## 1.4 Provide a brief summary of the functionalities of your project.

Our project presents all the information about every movie the name, release date, age restriction, genres, cast members, duration, and synopsis. It also allows users to book tickets after signing up or logging in. To book a ticket, users would choose the movie, date, time, and seat. Admin on the other hand are allowed to update or delete any movie found in the database.

# 2 FRONT-END

## 2.1 What is the total page count?

We have 7 total pages in our website :

1. Main Home Page
2. Movies Info Page
3. Sign Up Page
4. Log In Page
5. Book a Ticket Page
6. Admin Page
7. Update Page

## 2.2 List the names of any external stylesheet used in this project below.

Style1.css  
Style2.css

## 2.3 List any CSS libraries/frameworks used in this project (e.g.Bootstrap) below.

We only used Bootstrap library to design our website.

## 2.4 List any JavaScript libraries/frameworks used in this project below.

We didn't use any JavaScript library in our project

## 2.5 How does your project meet the Interactivity requirement?

Our project had two main interactivity using CSS and JavaScript. In CSS, whenever the user hovers over a movie poster in the homepage a small window appears which contains main movie information. In JavaScript, whenever the user hovers over a movie poster in the home page a shadow appears over the hovered poster.

## 3 BACK-END

### 3.1 Attach a screenshot of the final database diagram (just the diagram, do not include any records) below.



### 3.2 Where in your project do you insert a record to the database (the ‘C’ in CRUD)?

We insert records to the database in two different pages in our website

1. In the sign up page, users would insert their information including their first name, last name, email, and password, which will then be inserted into our database.
2. In the booking page, users would choose the movie, show date, show time, and the seat to book a ticket and then the show id, user id, and seat number will be inserted into the database.

### 3.3 Where in your project do you search and display record(s) from the database (the ‘R’ in CRUD)?

1. The Admin Page will display all the records about every movie.
2. We retrieved data to present all information about the movies such as movie name, release date, genres, cast members, age restriction, duration, and synopsis.

### 3.4 Where in your project do you update and existing record(s) the database (the ‘U’ in CRUD)?

The Admin Page can update any information about every movie found in our database.

### 3.5 Where in your project do you delete existing record(s) from the database (the ‘D’ in CRUD)?

The Admin page can also delete any movie in the database.

## 4 Misc

### 4.1 If your project requires any admin credentials (i.e. only admin users can access a certain page), list the credentials below.

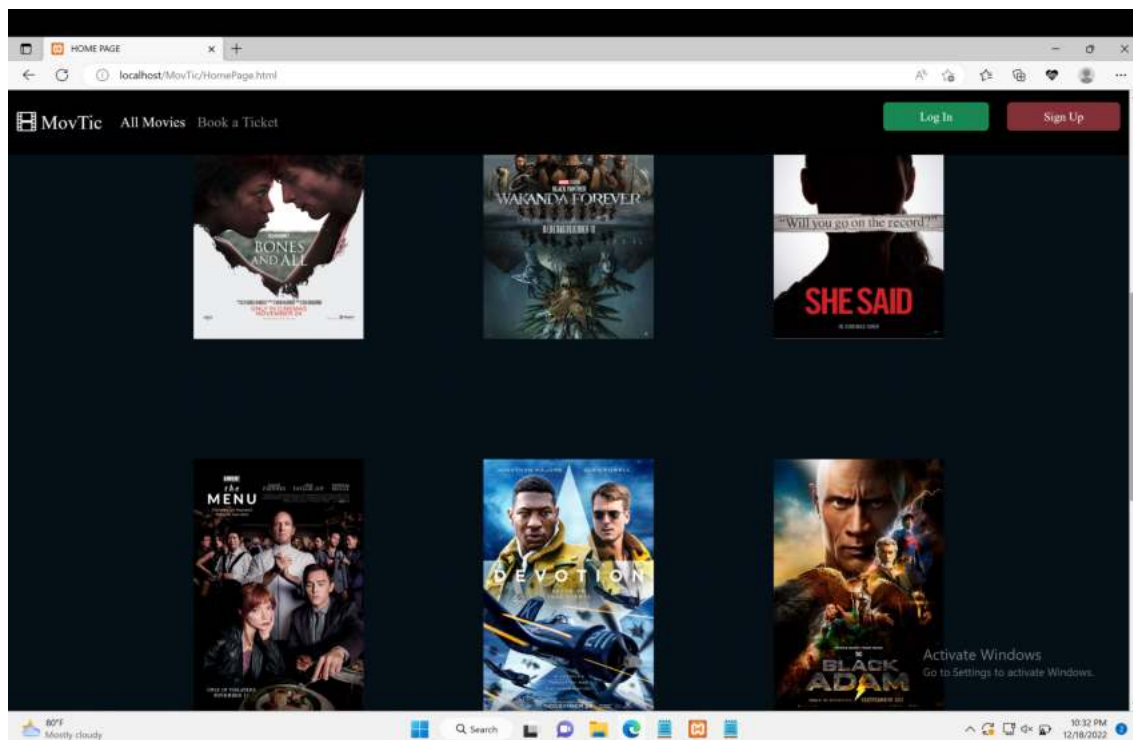
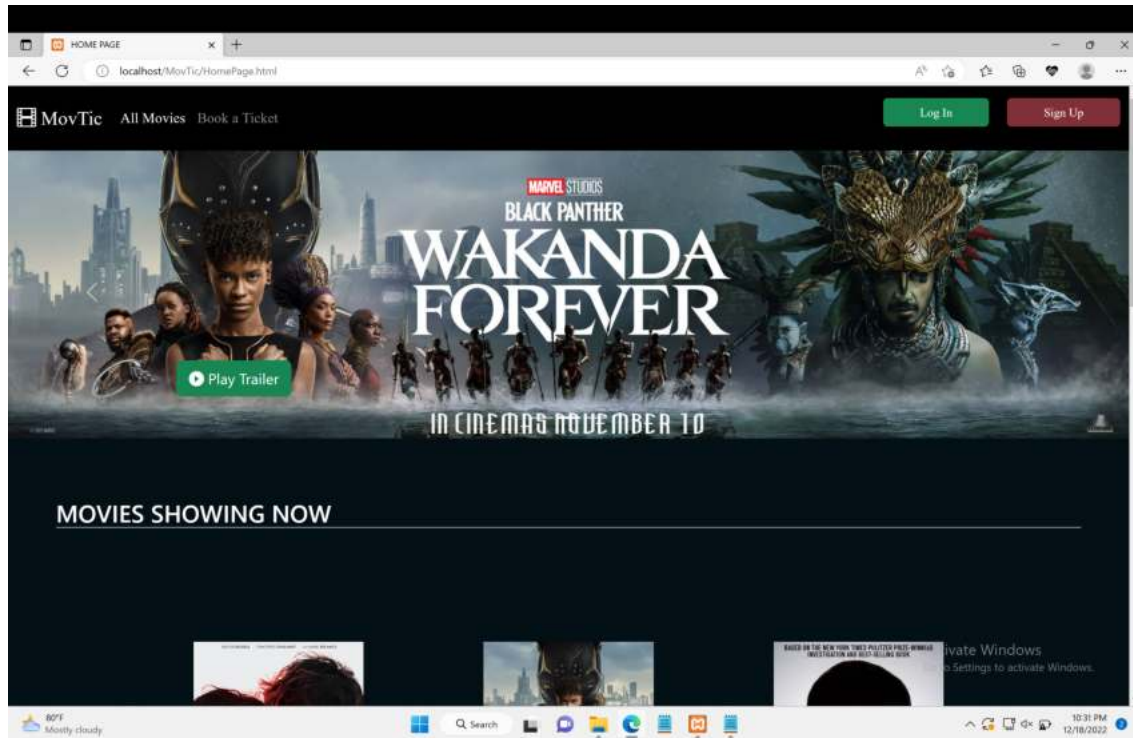
In our database, we have an attribute in the users table named user type. If the user type was a user, then a user can only view all the movie information and book new tickets. If the user type was an admin, then an admin can view all the movie information, update movie information, or delete a movie.

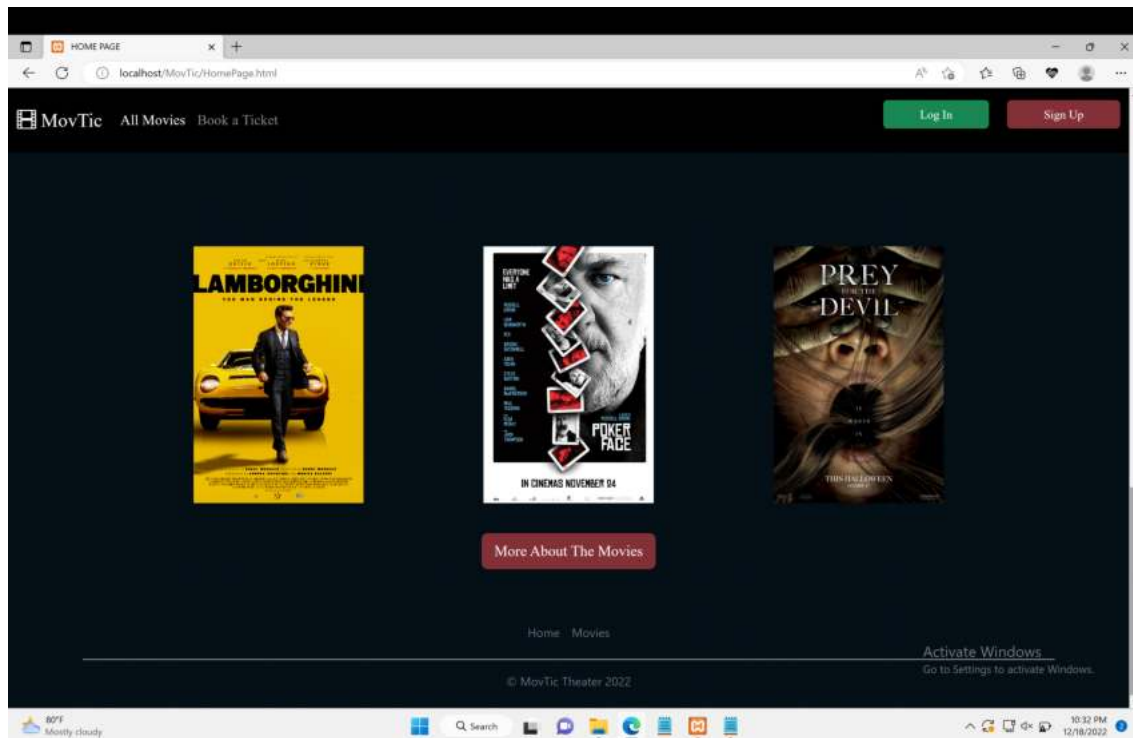
### 4.2 Provide any other information that you think the grader/instructor should know when grading your final project below.

1. We used the session to save the user's id, first name, and last name. The first name and last name were saved so that we can display the user name at the top of every main screen. The user id is saved so that we can insert into tickets the specific user who booked the ticket.
2. To allow users to book tickets, we have a list of movies, each movie has different show dates, each show date has a different show time, each show time has a number of available seats. We used sessions so that we can keep track of every choice the user chooses.
3. We added a trigger that delete seats when a ticket is booked.
4. JavaScript is used to validate every user input which are in the log in and sign up files. It was also used for interactivity in the main home page.

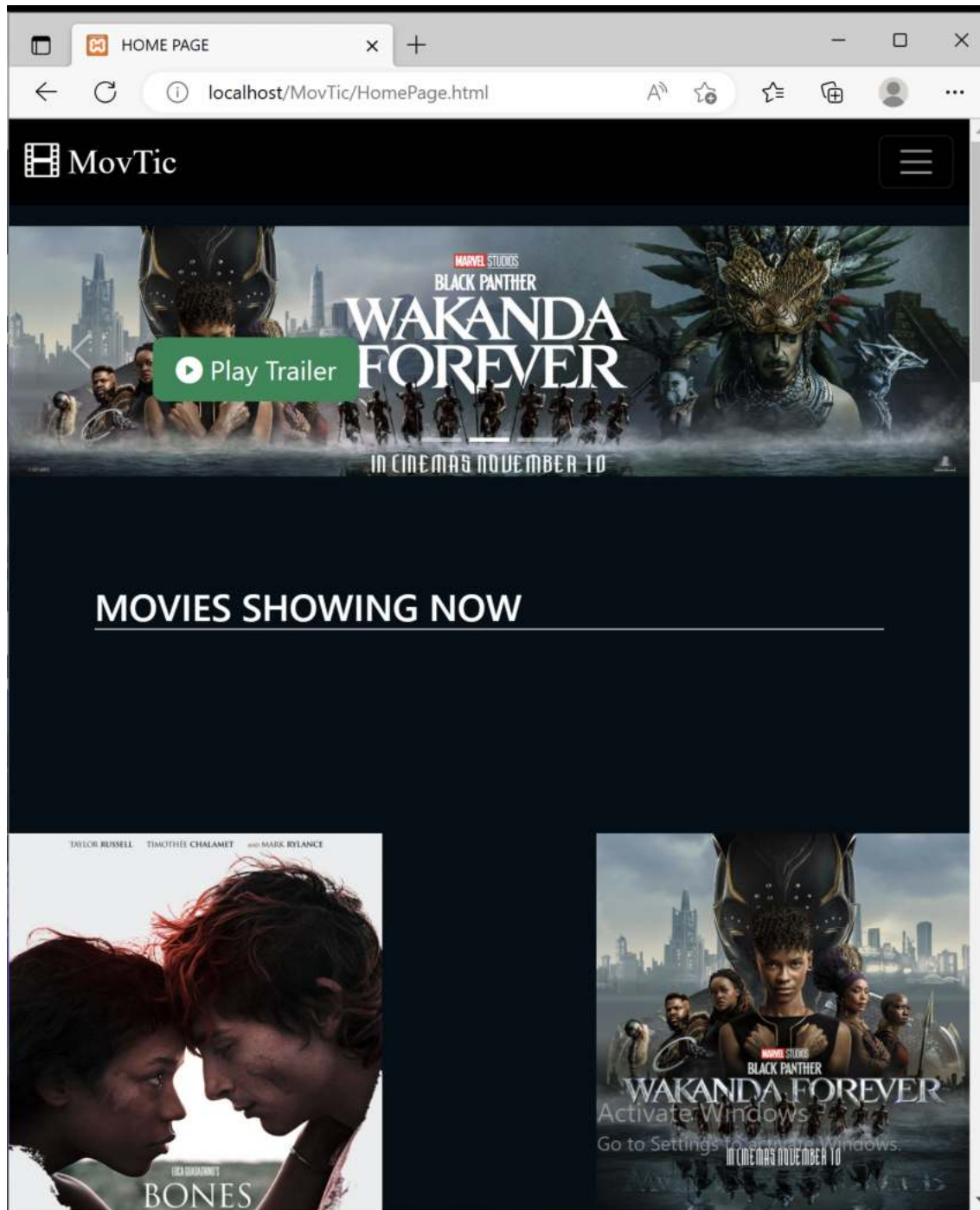
## 5 Screenshots

### 5.1 Home Page



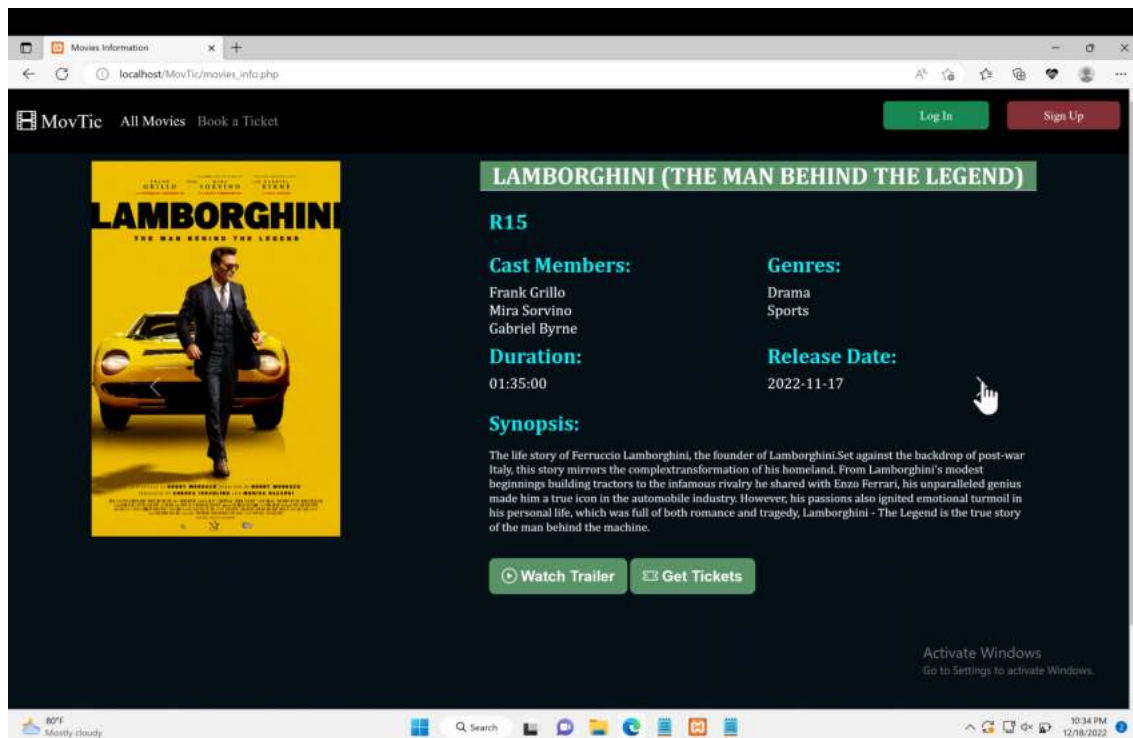
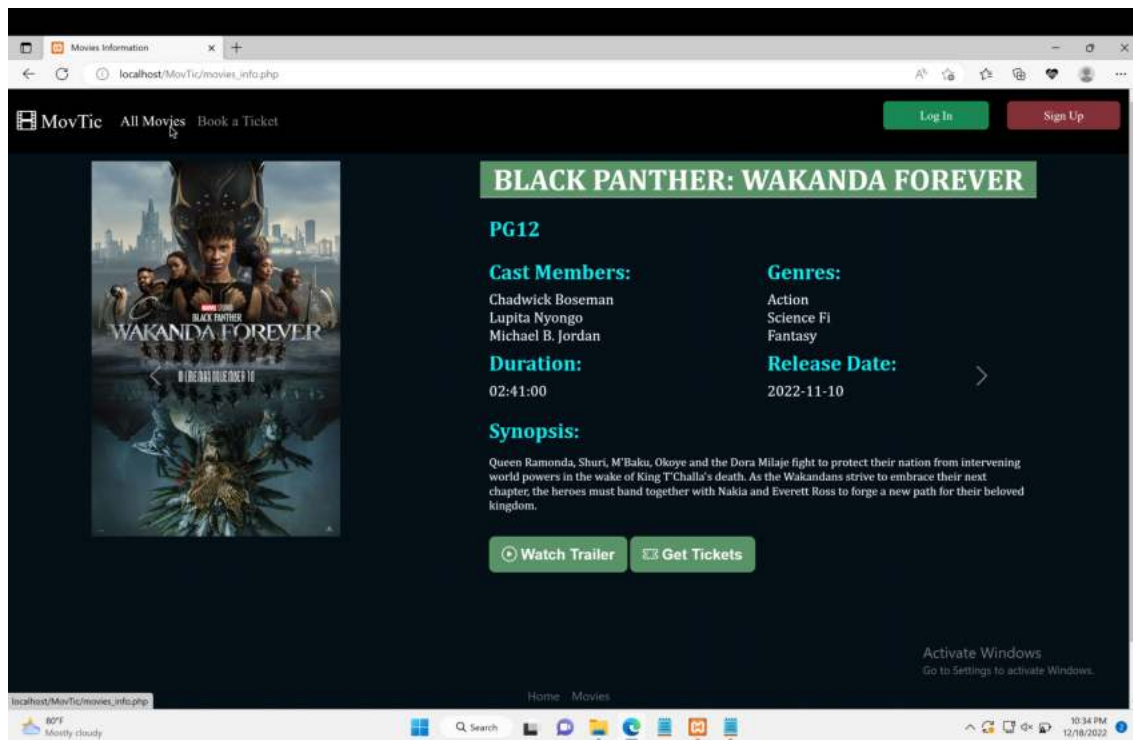


## 5.2 When reducing the desktop page

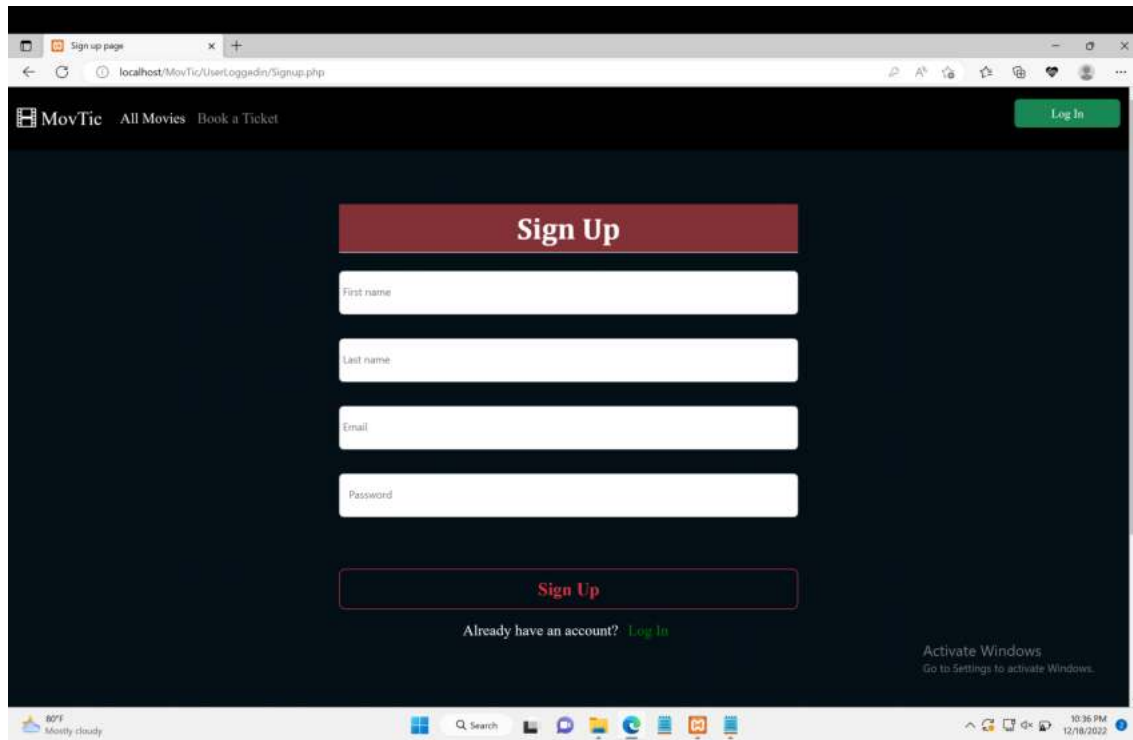




### 5.3 All movie information page

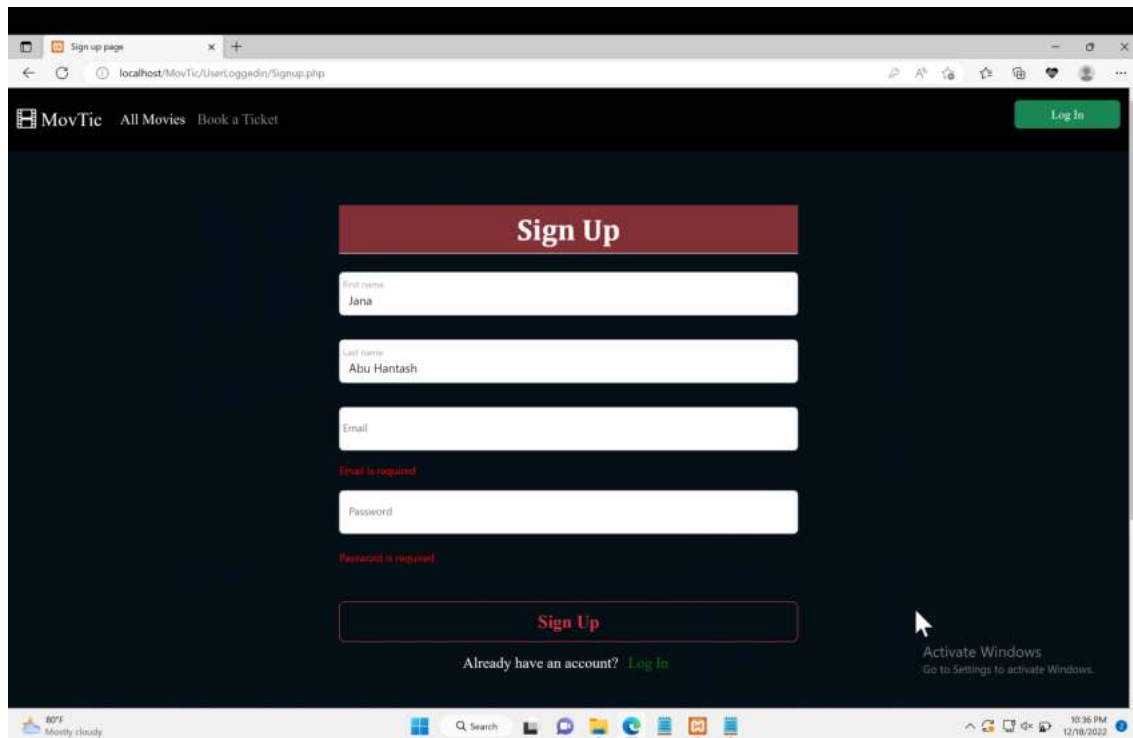


## 5.4 Sign up page



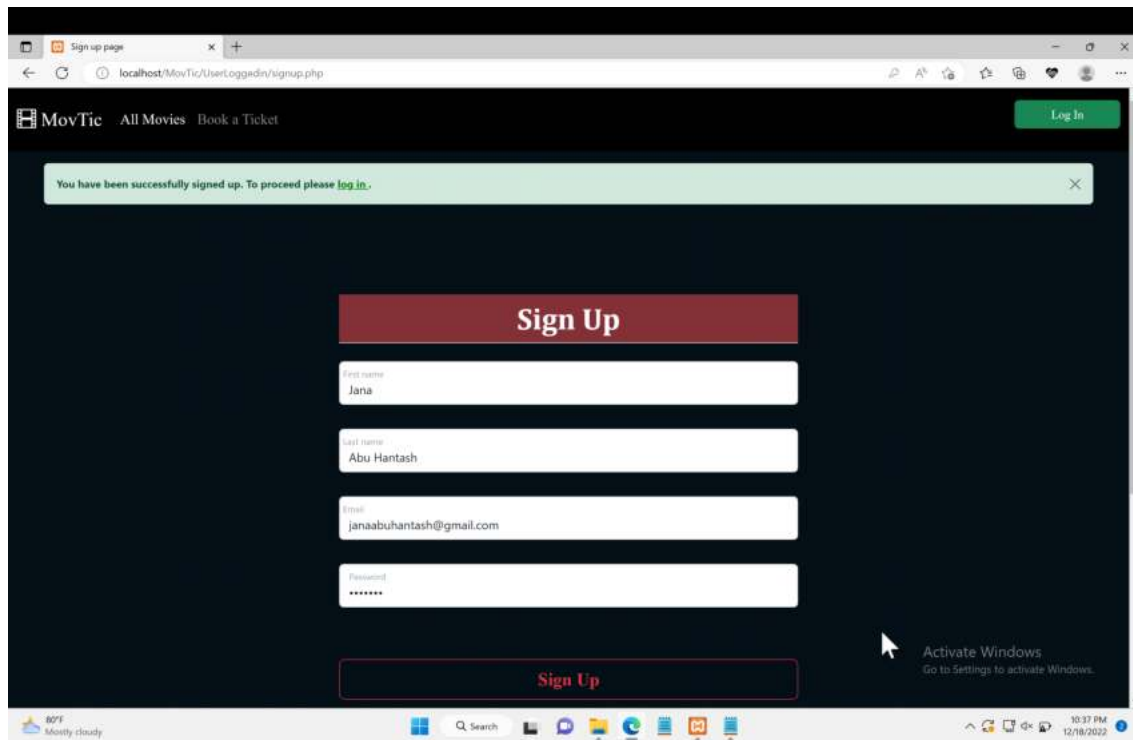
The screenshot shows a web browser window with the URL `localhost/MovTic/UserLoggedIn/Signup.php`. The page has a dark blue background. At the top left, there is a logo for "MovTic" and navigation links for "All Movies" and "Book a Ticket". At the top right, there is a green "Log In" button. The main content area features a "Sign Up" form with a red header. The form includes four input fields: "First name", "Last name", "Email", and "Password". Below the fields is a red "Sign Up" button. At the bottom of the form, there is a link that says "Already have an account? [Log In](#)". In the bottom right corner, there is a message that says "Activate Windows. Go to Settings to activate Windows."

### 5.4.1 Input validation

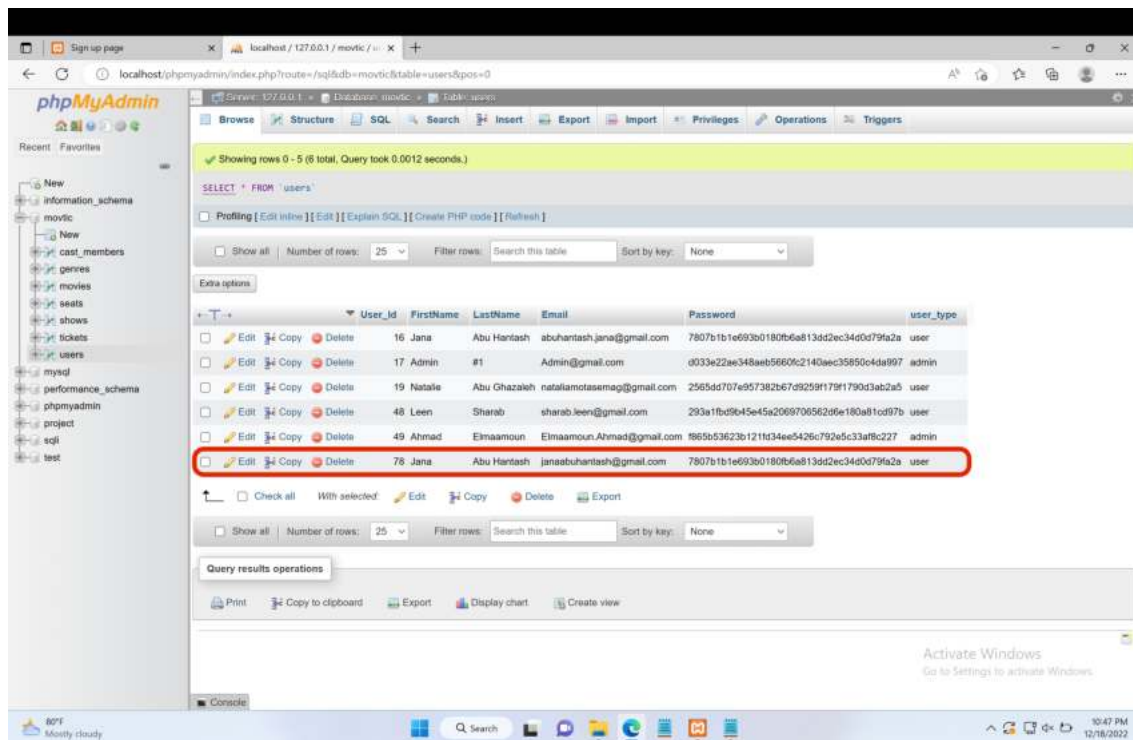


The screenshot shows the same "Sign Up" page as before, but with input validation errors. The "First name" field contains the text "Jana". The "Last name" field contains the text "Abu Hantash". The "Email" field is empty, and a red error message "Email is required" is displayed below it. The "Password" field is empty, and a red error message "Password is required" is displayed below it. The "Sign Up" button is still red. The "Log In" button is still green. The "Already have an account? [Log In](#)" link is still present. The "Activate Windows" message is still in the bottom right corner.

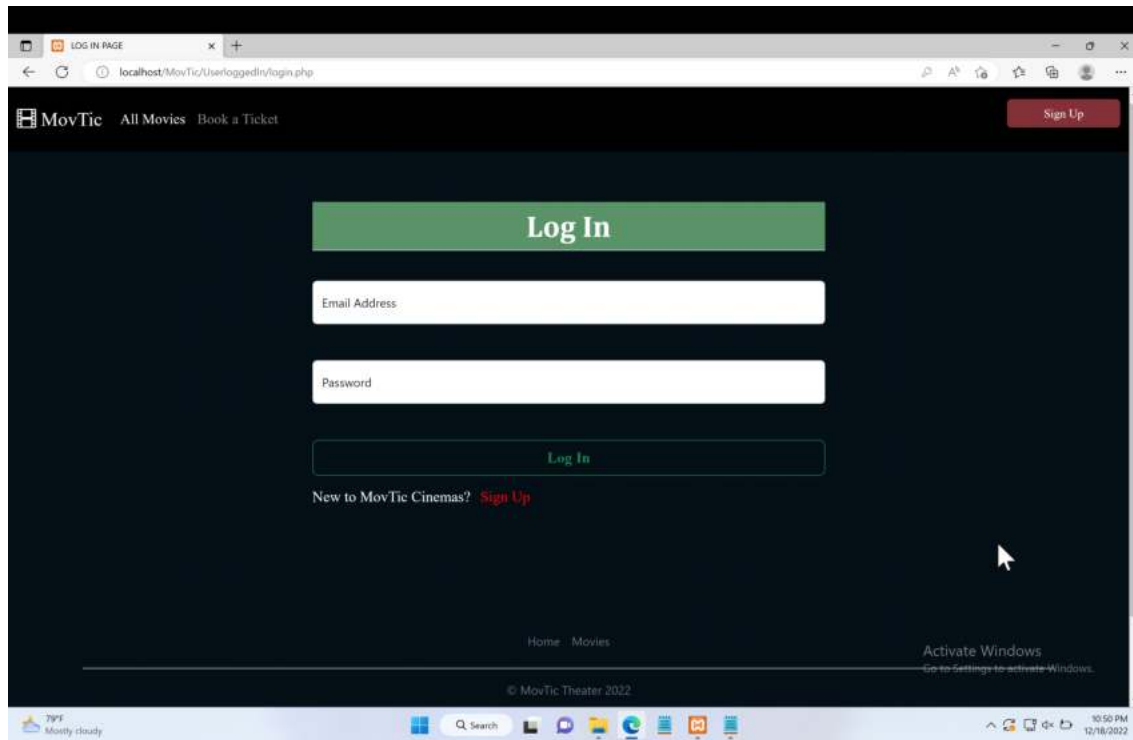
### 5.4.2 Successful sign up



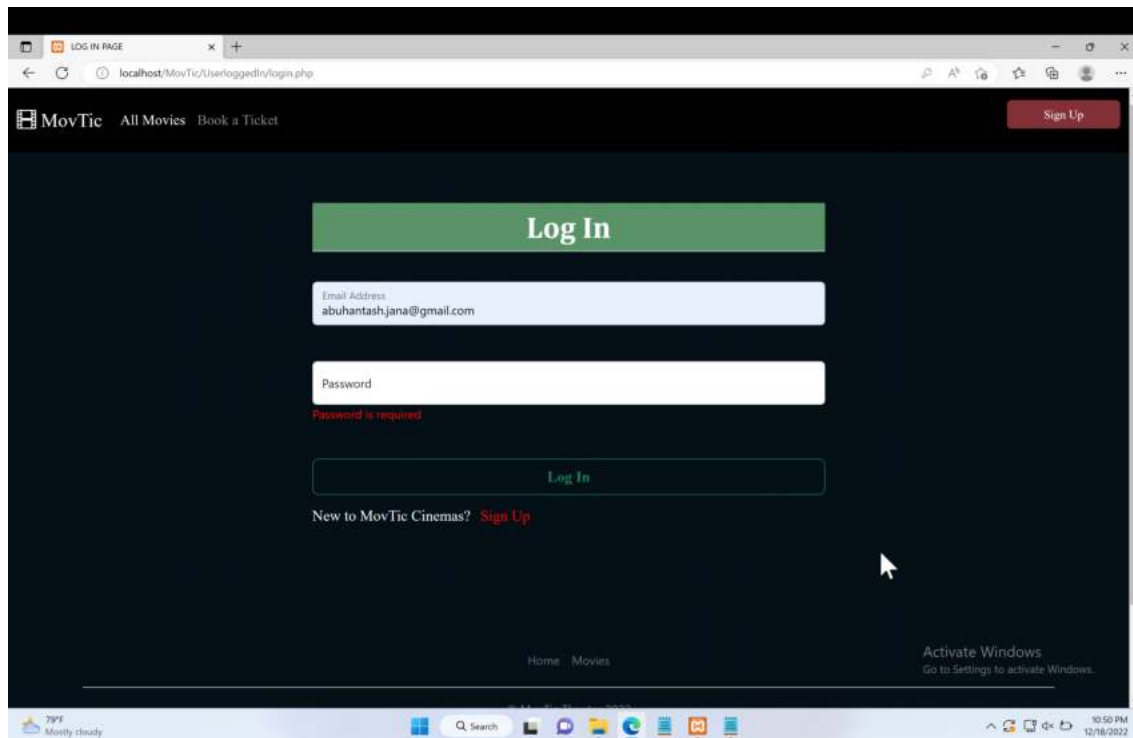
### 5.4.3 Added to the database



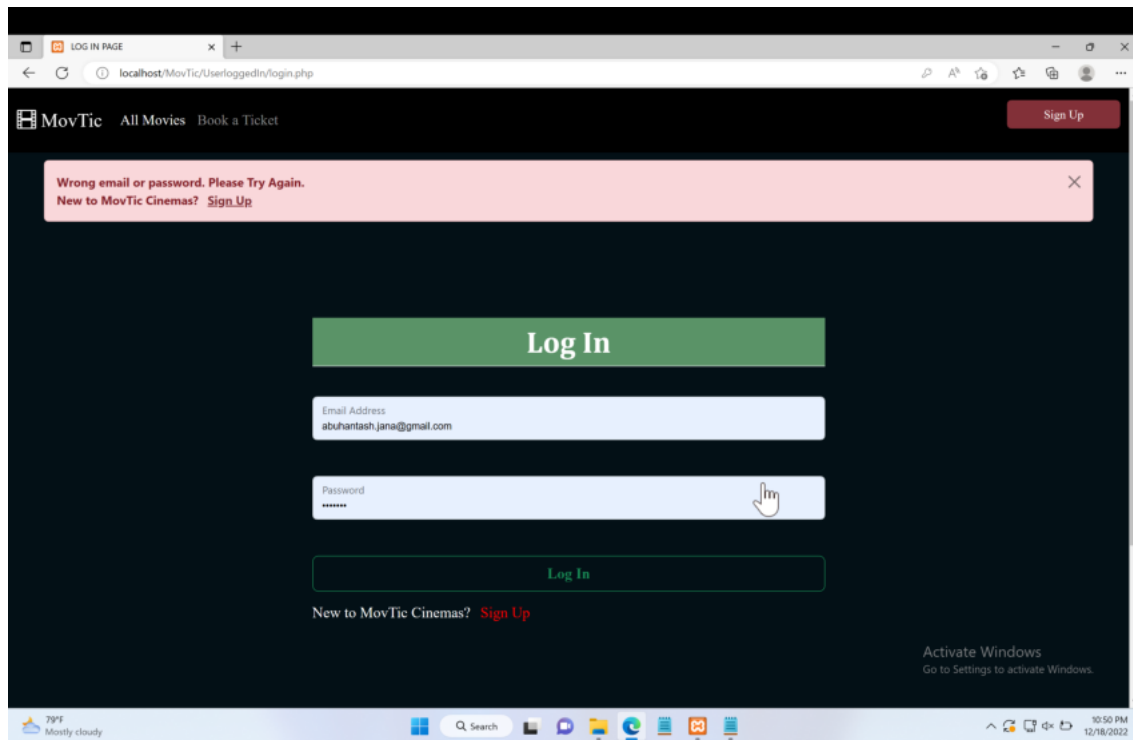
## 5.5 Log In page



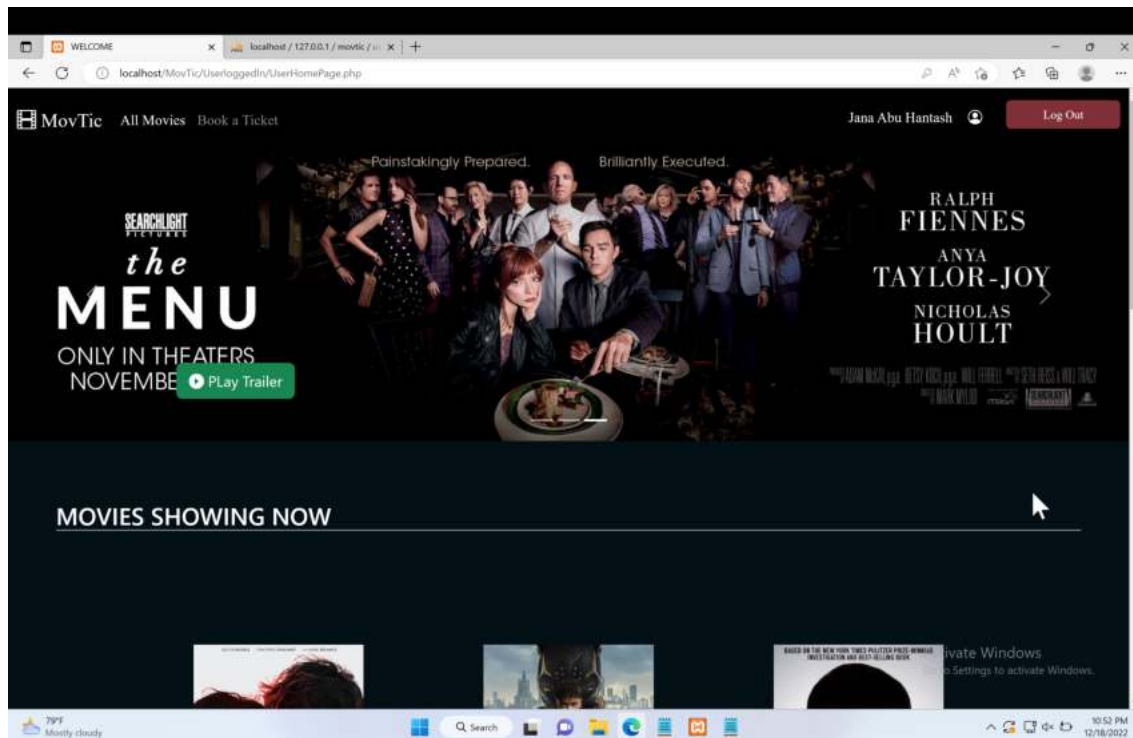
### 5.5.1 Input validation



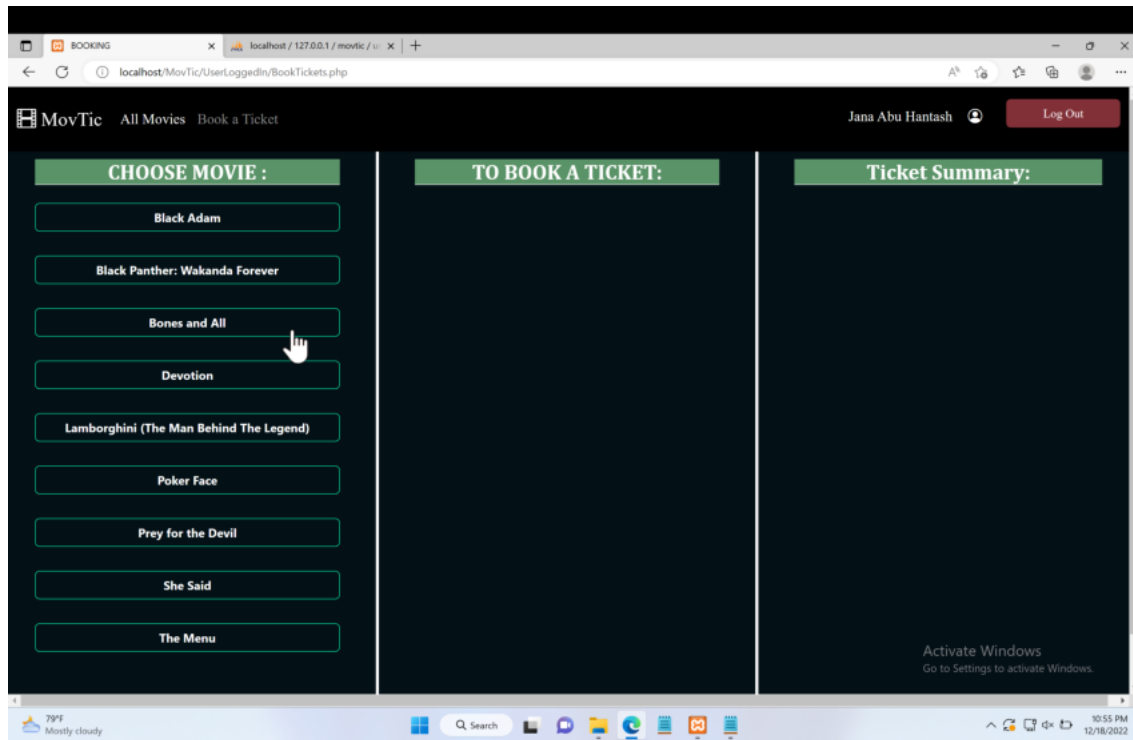
### 5.5.2 Wrong email or password



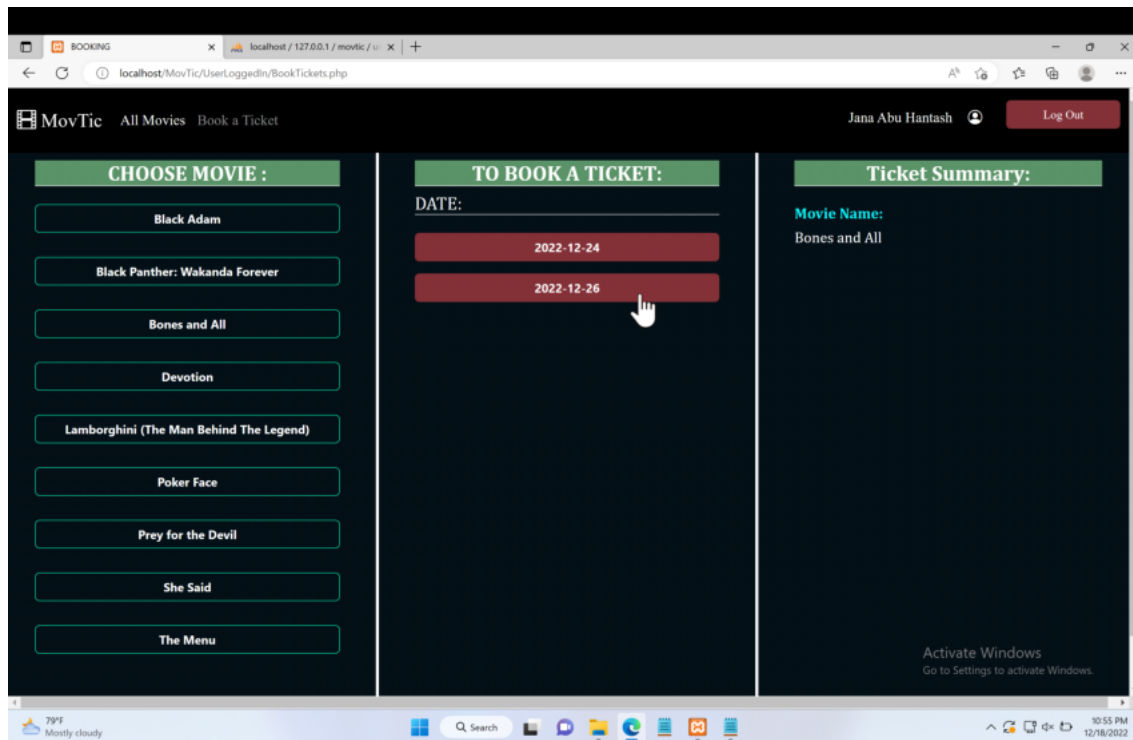
### 5.5.3 Successful log in



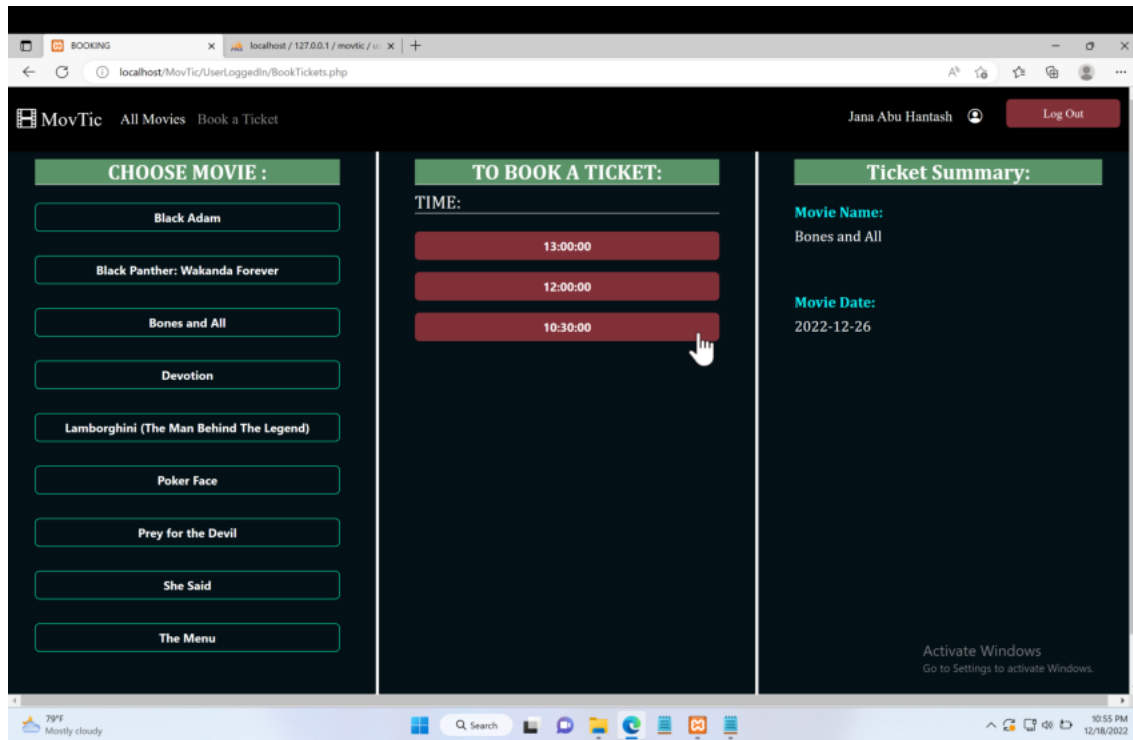
## 5.6 Book a ticket page



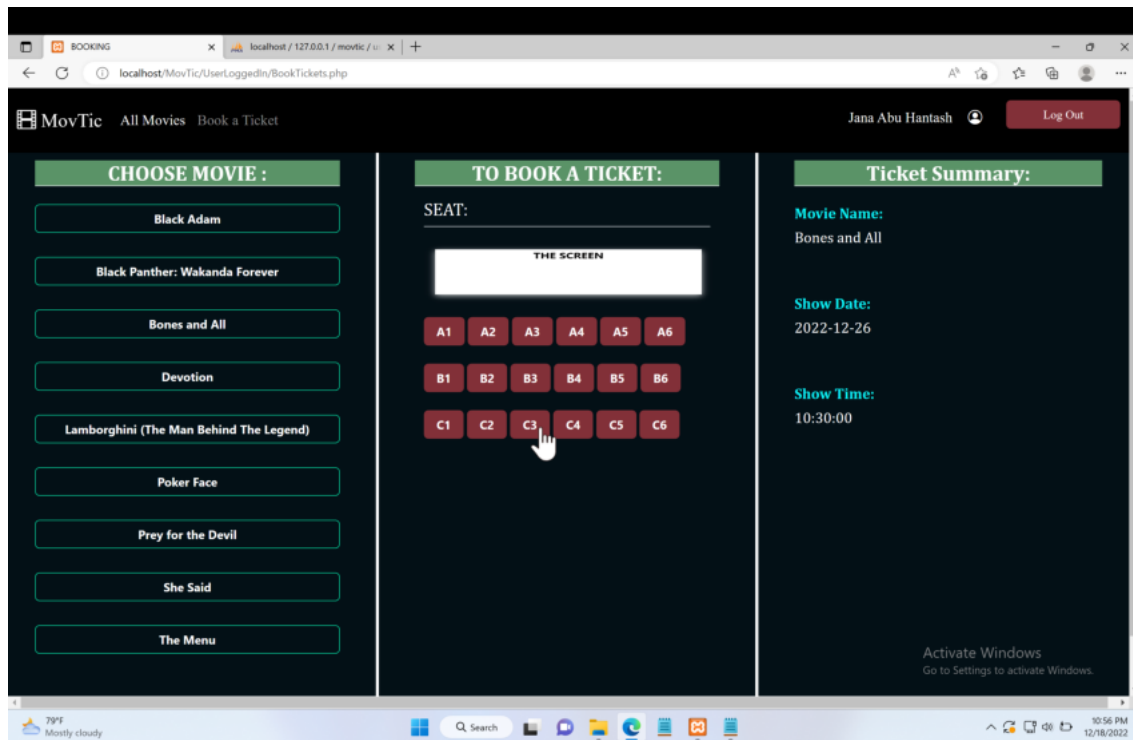
### 5.6.1 After the user chooses a movie



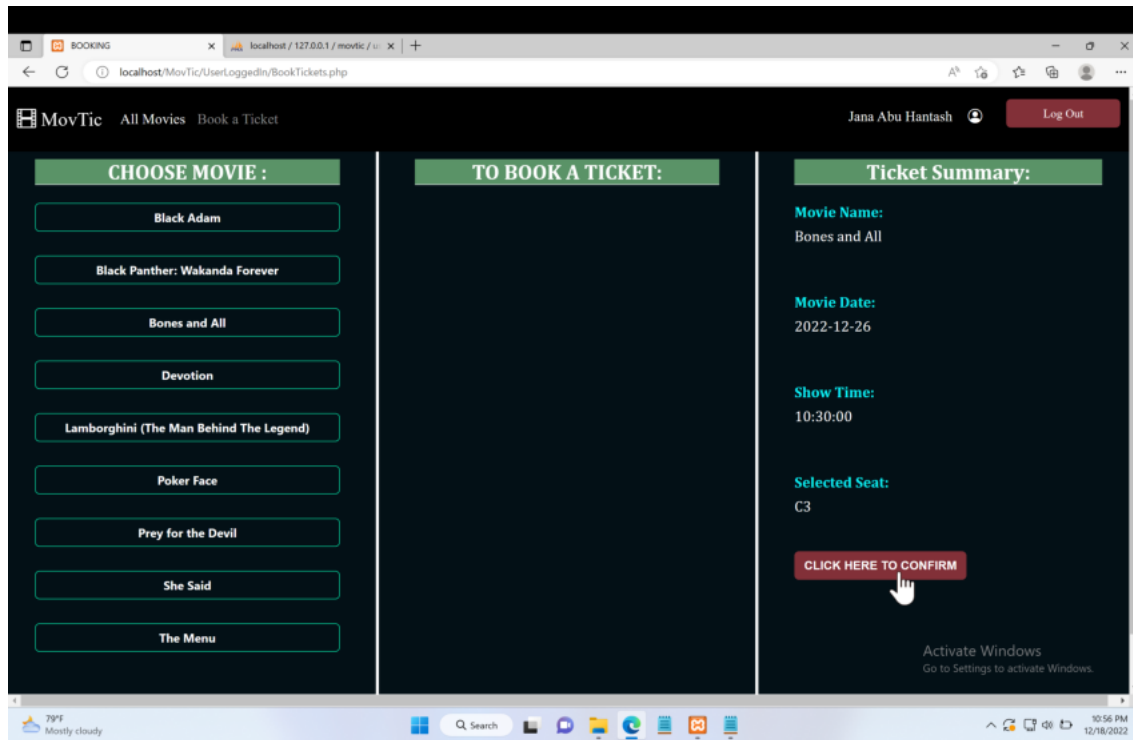
## 5.6.2 After the user chooses a date



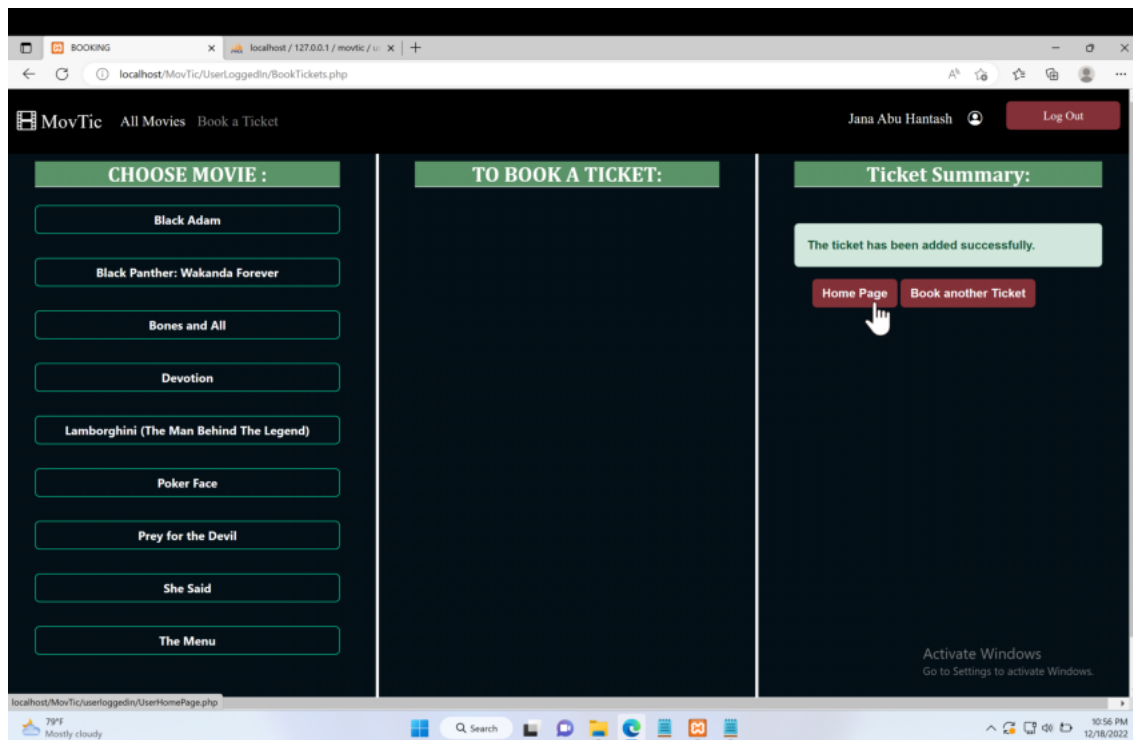
## 5.6.3 After the user chooses a time



## 5.6.4 After the user chooses a seat

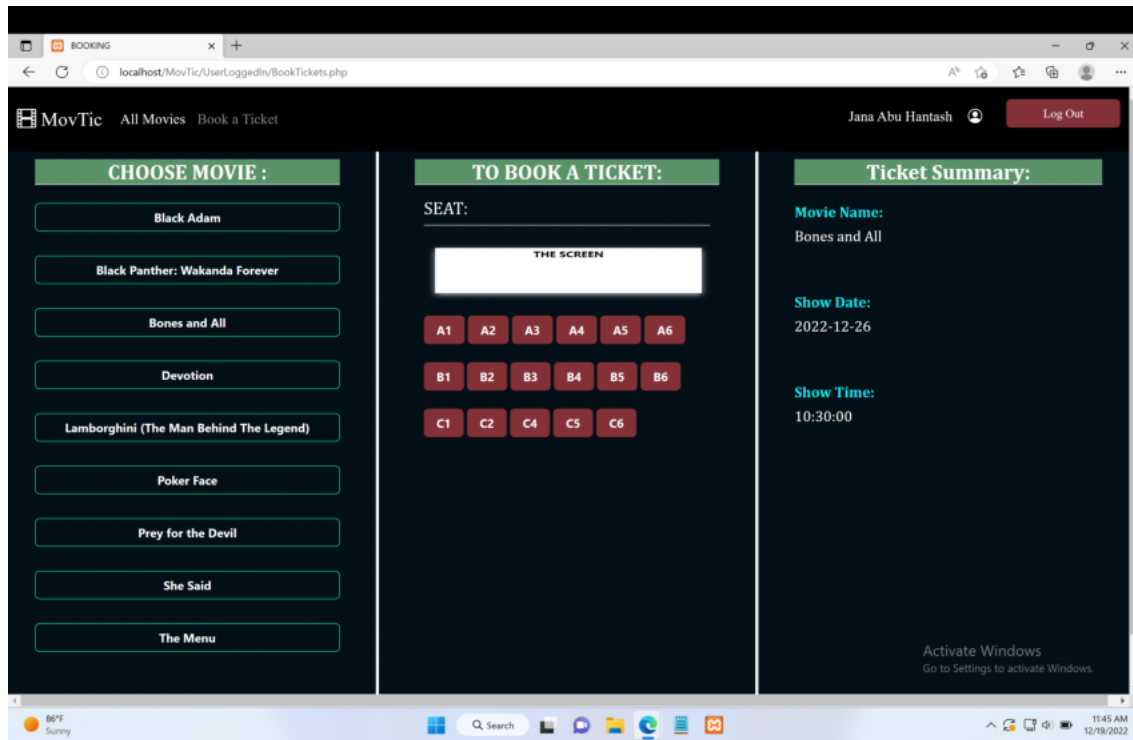


## 5.6.5 Successful Ticket booking

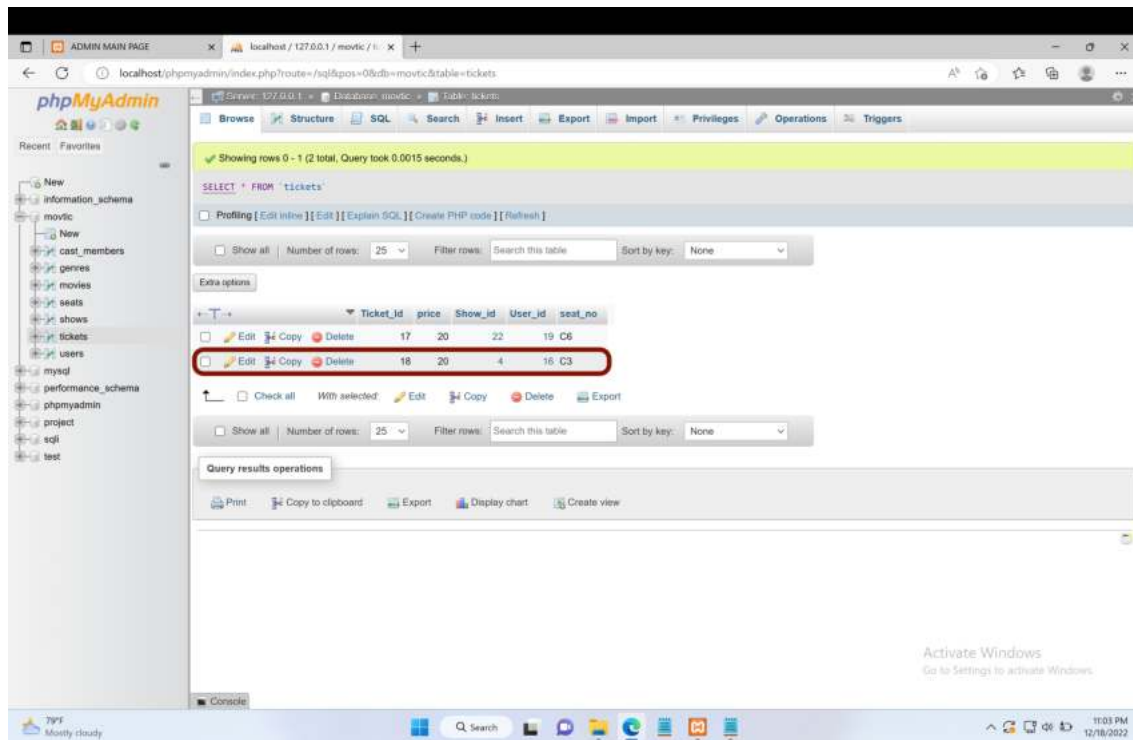




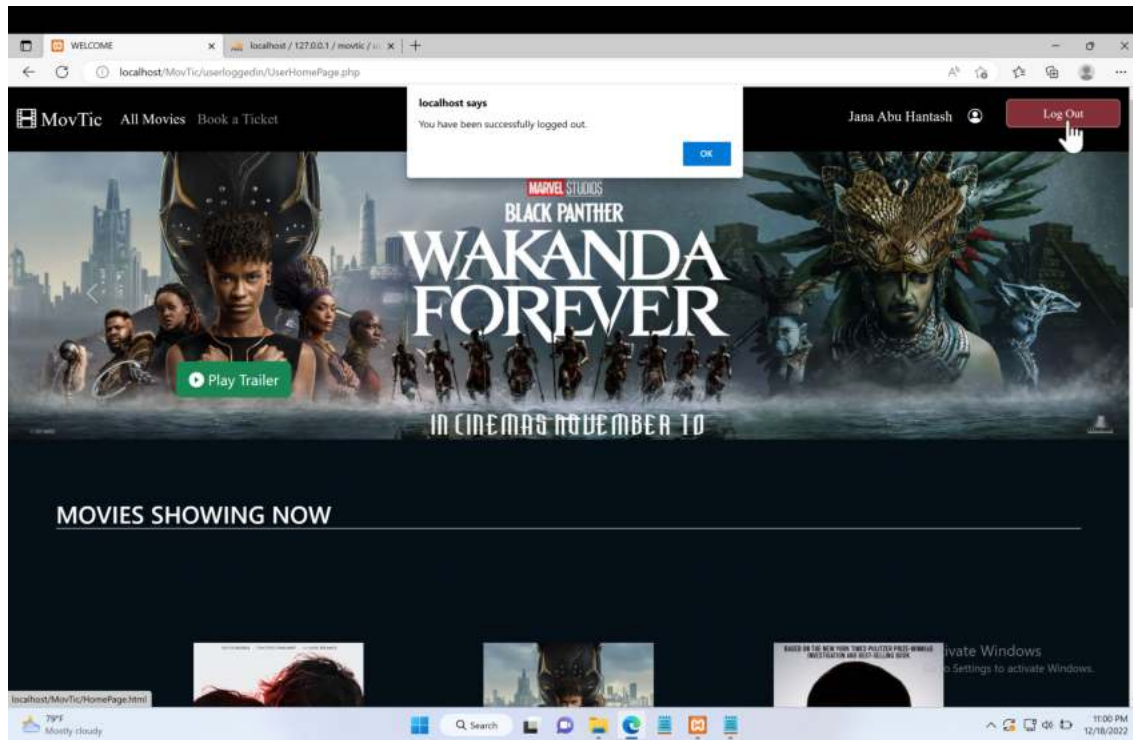
## 5.6.6 After the seat was booked



## 5.6.7 Added to the database



## 5.7 After log out



## 5.8 Admin Main Page

The screenshot shows the 'ADMIN MAIN PAGE' in a web browser. The user is logged in as 'Ahmad Elmaamoun'. The page title is 'List of All Movies'. Below the title is a table with columns: Movie Name, Release Date, Duration, Age Restrictions, Synopsis, and Action. The table lists several movies, including Black Adam, Black Panther: Wakanda Forever, Bones and All, Devotion, Lamborghini (The Man Behind The Legend), and Poker Face. Each movie entry has 'Update' and 'Delete' buttons in the Action column.

| Movie Name                              | Release Date | Duration | Age Restrictions | Synopsis  | Action   |
|---|--------------|----------|------------------|---|--|
| Black Adam                              | 2022-10-20   | 02:05:00 | PG12             | Nearly 5,000 years after he was bestowed with the almighty powers of the Egyptian gods-and imprisoned just as quickly-Black Adam (Johnson) is freed from his earthly tomb, ready to unleash his unique form of justice on the modern world.   | <a href="#">Update</a><br><a href="#">Delete</a> |
| Black Panther: Wakanda Forever          | 2022-11-10   | 02:41:00 | PG12             | Queen Ramonda, Shuri, M'Baku, Okoye and the Dora Milaje fight to protect their nation from intervening world powers in the wake of King T'Challa's death. As the Wakandans strive to embrace their next chapter, the heroes must band together with Nakia and Everett Ross to forge a new path for their beloved kingdom.   | <a href="#">Update</a><br><a href="#">Delete</a> |
| Bones and All                           | 2022-11-24   | 02:10:00 | R18              | Bones and All is a story of first love between Maren Taylor Russell, a young woman learning how to survive on the margins of society, and Lee Timothée Chalamet, an intense and disenfranchised drifter... as they meet and join together for a thousand-mile odyssey which takes them through the back roads, hidden passages and trap doors of Ronald Reagan's America. But despite their best efforts, all roads lead back to their terrifying pasts and to a final stand that will determine whether their love can survive their otherness.                      | <a href="#">Update</a><br><a href="#">Delete</a> |
| Devotion                                | 2022-11-24   | 02:20:00 | R15              | Devotion, an aerial war epic based on the bestselling book of the same name, tells the harrowing true story of two elite US Navy fighter pilots during the Korean War. Their heroic sacrifices would ultimately make them the Navy's most celebrated wingmen.   | <a href="#">Update</a><br><a href="#">Delete</a> |
| Lamborghini (The Man Behind The Legend) | 2022-11-17   | 01:35:00 | R15              | The life story of Ferruccio Lamborghini, the founder of Lamborghini. Set against the backdrop of post-war Italy, this story mirrors the complex transformation of his homeland. From Lamborghini's modest beginnings building tractors to the infamous rivalry he shared with Enzo Ferrari, his unparalleled genius made him a true icon in the automobile industry. However, his passions also ignited emotional turmoil in his personal life, which was full of both romance and tragedy. Lamborghini - The Legend is the true story of the man behind the machine. | <a href="#">Update</a><br><a href="#">Delete</a> |
| Poker Face                              | 2022-11-24   | 01:35:00 | R18              | A tech billionaire hosts a high-stakes poker game between friends, but the evening takes a turn when long-held secrets are revealed, an elaborate revenge plot unfolds, and thieves break in.   | <a href="#">Update</a><br><a href="#">Delete</a> |

This screenshot continues the list of movies from the previous one. The table lists Devotion, Lamborghini (The Man Behind The Legend), Poker Face, Prey for the Devil, She Said, and The Menu. Each movie entry has 'Update' and 'Delete' buttons in the Action column.

|   |            |          |     |   |  |
|---|------------|----------|-----|---|--|
| Devotion                                | 2022-11-24 | 02:20:00 | R15 | Devotion, an aerial war epic based on the bestselling book of the same name, tells the harrowing true story of two elite US Navy fighter pilots during the Korean War. Their heroic sacrifices would ultimately make them the Navy's most celebrated wingmen.   | <a href="#">Update</a><br><a href="#">Delete</a> |
| Lamborghini (The Man Behind The Legend) | 2022-11-17 | 01:35:00 | R15 | The life story of Ferruccio Lamborghini, the founder of Lamborghini. Set against the backdrop of post-war Italy, this story mirrors the complex transformation of his homeland. From Lamborghini's modest beginnings building tractors to the infamous rivalry he shared with Enzo Ferrari, his unparalleled genius made him a true icon in the automobile industry. However, his passions also ignited emotional turmoil in his personal life, which was full of both romance and tragedy. Lamborghini - The Legend is the true story of the man behind the machine. | <a href="#">Update</a><br><a href="#">Delete</a> |
| Poker Face                              | 2022-11-24 | 01:35:00 | R18 | A tech billionaire hosts a high-stakes poker game between friends, but the evening takes a turn when long-held secrets are revealed, an elaborate revenge plot unfolds, and thieves break in.   | <a href="#">Update</a><br><a href="#">Delete</a> |
| Prey for the Devil                      | 2022-10-27 | 01:35:00 | R15 | A nun prepares to perform an exorcism and comes face to face with a demonic force with mysterious ties to her past.   | <a href="#">Update</a><br><a href="#">Delete</a> |
| She Said                                | 2022-11-24 | 02:09:00 | R18 | New York Times reporters Megan Twohey and Jodi Kantor break one of the most important stories in a generation — a story that helped launch the #MeToo movement and shattered decades of silence around the subject of sexual assault in Hollywood.  | <a href="#">Update</a><br><a href="#">Delete</a> |
| The Menu                                | 2022-11-17 | 01:45:00 | R18 | A young couple travel to a remote island to eat at an exclusive restaurant where the chef has prepared a lavish menu, with some shocking surprises.   | <a href="#">Update</a><br><a href="#">Delete</a> |

### 5.8.1 Update

UPDATE

localhost / 127.0.0.1 / movtic / : | +

localhost/MovTic/userloggedin/admin/update.php?Name=She%20Said&&Release\_Date=2022-11-24

MovTic Ahmad Elmaamoun Log Out

### Update Movie

Name: She Said

Release Date: 2022-11-24

Duration: 02:09:00

Age Restriction: R18

Synopsis: New York Times reporters Megan Twohey and Jodi Kantor break one of the most impo

Submit Cancel

Activate Windows  
Go to Settings to activate Windows.

79°F Mostly cloudy 11:07 PM 12/18/2022

Input validation

UPDATE

localhost / 127.0.0.1 / movtic / : | +

localhost/MovTic/userloggedin/admin/update.php?Name=She%20Said&&Release\_Date=2022-11-24

MovTic Ahmad Elmaamoun Log Out

### Update Movie

All the field are required

Name: She Said

Release Date: 2022-11-24

Duration: 02:09:00

Age Restriction: R18

Synopsis:

Submit Cancel

Activate Windows  
Go to Settings to activate Windows.

80°F Mostly cloudy 11:17 PM 12/18/2022

## Successful Update

UPDATE

localhost / 127.0.0.1 / movtic / ...

localhost/MovTic/userloggedin/admin/update.php?Name=She%20Said&Release\_Date=2022-11-25

MovTic Ahmad Elmaamoun Log Out

### Update Movie

Name: She Said

Release Date: 2022-11-25

Duration: 03:00:00

Age Restriction: R10

Synopsis: New York Times reporters Megan Twohey and Jodi Kantor break one of the most impo...

Submit Cancel

Activate Windows  
Go to Settings to activate Windows.

11:19 PM  
12/18/2022

## Updated in the database

ADMIN MAIN PAGE

localhost / 127.0.0.1 / movtic / ...

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=movtic&table=movies

phpMyAdmin

Recent Favorites

- New
- information\_schema
- movtic
  - New
  - cast\_members
  - genres
  - movies
  - seats
  - shows
  - tickets
  - users
- mysql
- performance\_schema
- phpmyadmin
- project
- sql
- test

Database: movtic Table: movies

Showing rows 0 - 8 (9 total, Query took 0.0006 seconds.)

SELECT \* FROM 'movies'

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

|                          | Name                                    | Release_Date | Duration | Age_Restriction | Synopsis  |
|--------------------------|---|--------------|----------|-----------------|---|
| <input type="checkbox"/> | Black Adam                              | 2022-10-20   | 02:05:00 | PG12            | Nearly 5,000 years after he was bestowed with the ... |
| <input type="checkbox"/> | Black Panther: Wakanda Forever          | 2022-11-10   | 02:41:00 | PG12            | Queen Ramonda, Shuri, M'Baku, Okoye and the Dora M... |
| <input type="checkbox"/> | Bones and All                           | 2022-11-24   | 02:10:00 | R18             | Bones and All is a story of first love between Mar... |
| <input type="checkbox"/> | Devotion                                | 2022-11-24   | 02:20:00 | R15             | Devotion, an aerial war epic based on the bestsell... |
| <input type="checkbox"/> | Lamborghini (The Man Behind The Legend) | 2022-11-17   | 01:35:00 | R15             | The life story of Ferruccio Lamborghini, the found... |
| <input type="checkbox"/> | Poker Face                              | 2022-11-24   | 01:35:00 | R18             | A tech billionaire hosts a high-stakes poker game ... |
| <input type="checkbox"/> | Prey for the Devil                      | 2022-10-27   | 01:35:00 | R15             | A nun prepares to perform an exorcism and comes fa... |
| <input type="checkbox"/> | She Said                                | 2022-11-25   | 03:00:00 | R10             | New York Times reporters Megan Twohey and Jodi Kan... |
| <input type="checkbox"/> | The Menu                                | 2022-11-17   | 01:45:00 | R18             | A young couple travel to a remote island to eat at... |

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

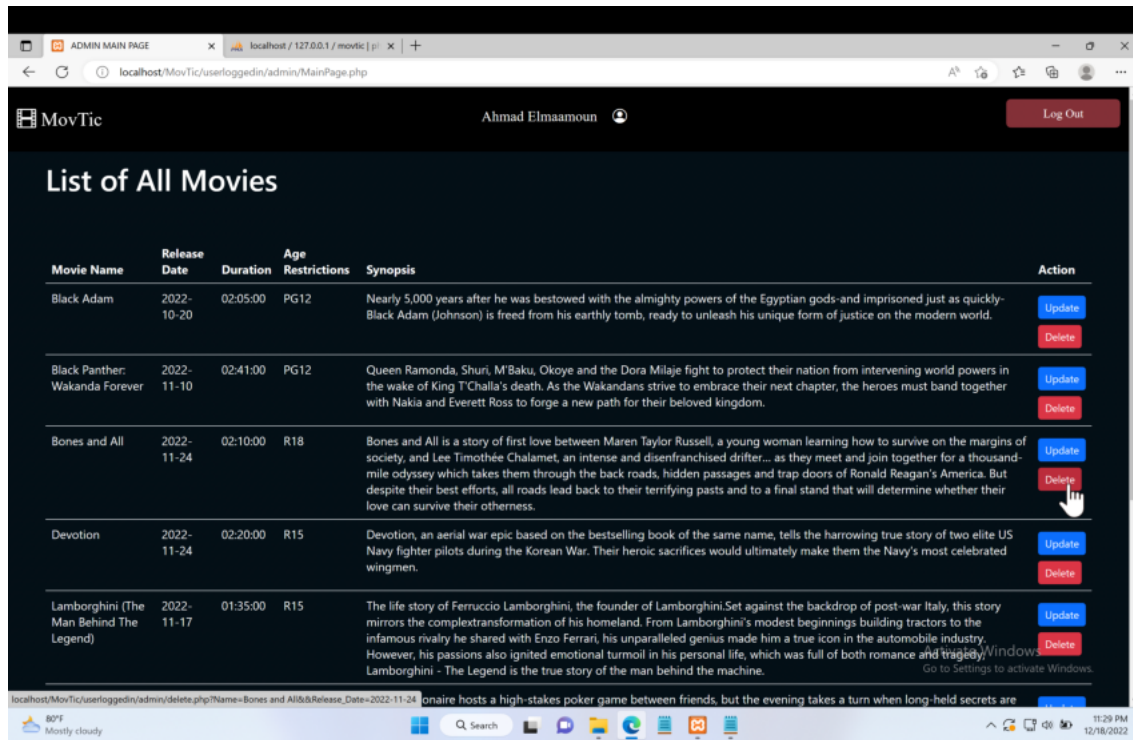
Print Copy to clipboard Export Display chart Create view

Console

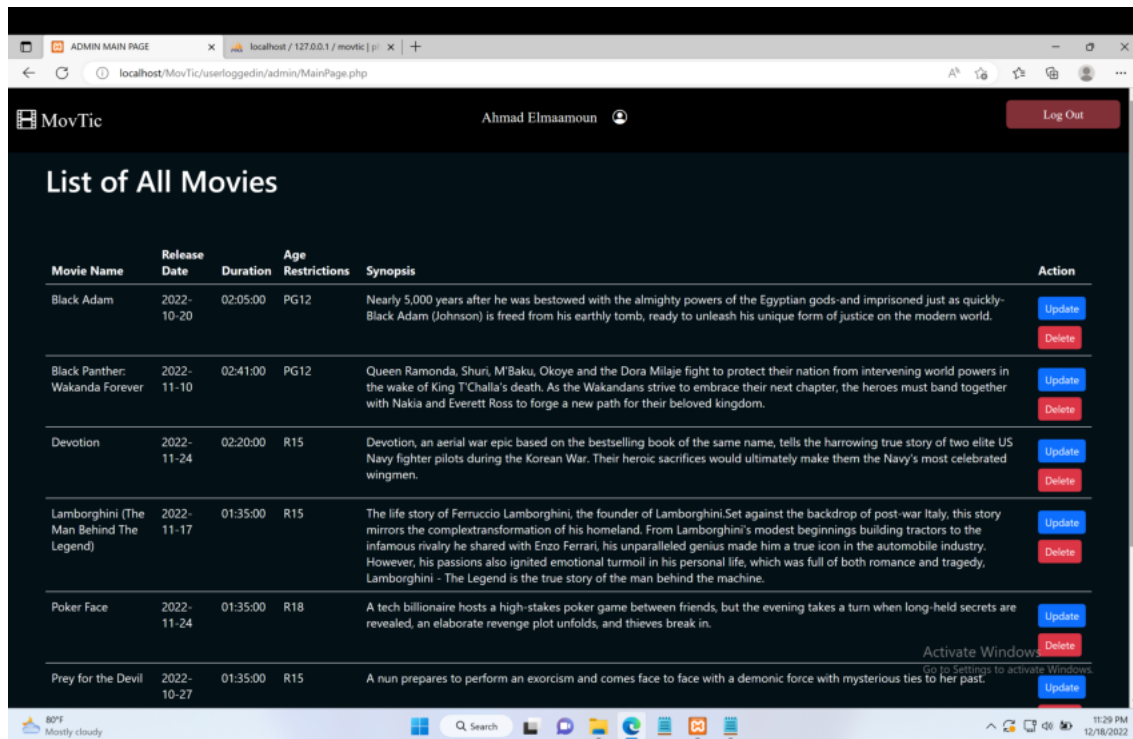
Activate Windows  
Go to Settings to activate Windows.

11:19 PM  
12/18/2022

## 5.8.2 Delete



## Successful Delete





Deleted in the database

The screenshot shows the phpMyAdmin interface for a database named 'movies'. The 'movies' table is selected, and the 'Structure' tab is active. The table contains 8 rows, with the first row highlighted. A yellow highlight and an arrow point to the status bar indicating 'Showing rows 0 - 7 (8 total, Query took 0.0005 seconds.)'. A black box with white text says 'Bones and all movie was deleted from the database'.

|                          | Name                                    | Release_Date | Duration | Age_Restriction | Synopsis  |
|--------------------------|---|--------------|----------|-----------------|---|
| <input type="checkbox"/> | Black Adam                              | 2022-10-20   | 02:05:00 | PG12            | Nearly 5,000 years after he was bestowed with the ... |
| <input type="checkbox"/> | Black Panther: Wakanda Forever          | 2022-11-10   | 02:41:00 | PG12            | Queen Ramonda, Shuri, M'Baku, Okoye and the Dora M... |
| <input type="checkbox"/> | Devotion                                | 2022-11-24   | 02:20:00 | R15             | Devotion, an aerial war epic based on the bestsell... |
| <input type="checkbox"/> | Lamborghini (The Man Behind The Legend) | 2022-11-17   | 01:35:00 | R15             | The life story of Ferruccio Lamborghini, the found... |
| <input type="checkbox"/> | Poker Face                              | 2022-11-24   | 01:35:00 | R18             | A tech billionaire hosts a high-stakes poker game ... |
| <input type="checkbox"/> | Prey for the Devil                      | 2022-10-27   | 01:35:00 | R15             | A nun prepares to perform an exorcism and comes fa... |
| <input type="checkbox"/> | She Said                                | 2022-11-24   | 02:09:00 | R18             | New York Times reporters Megan Twohey and Jodi Kan... |
| <input type="checkbox"/> | The Menu                                | 2022-11-17   | 01:45:00 | R18             | A young couple travel to a remote island to eat at... |