

# Projektni zadatak

## Web sajt – MovieLense

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Broj indeksa: 4/21

Predmet: Praktikum iz PHP-a

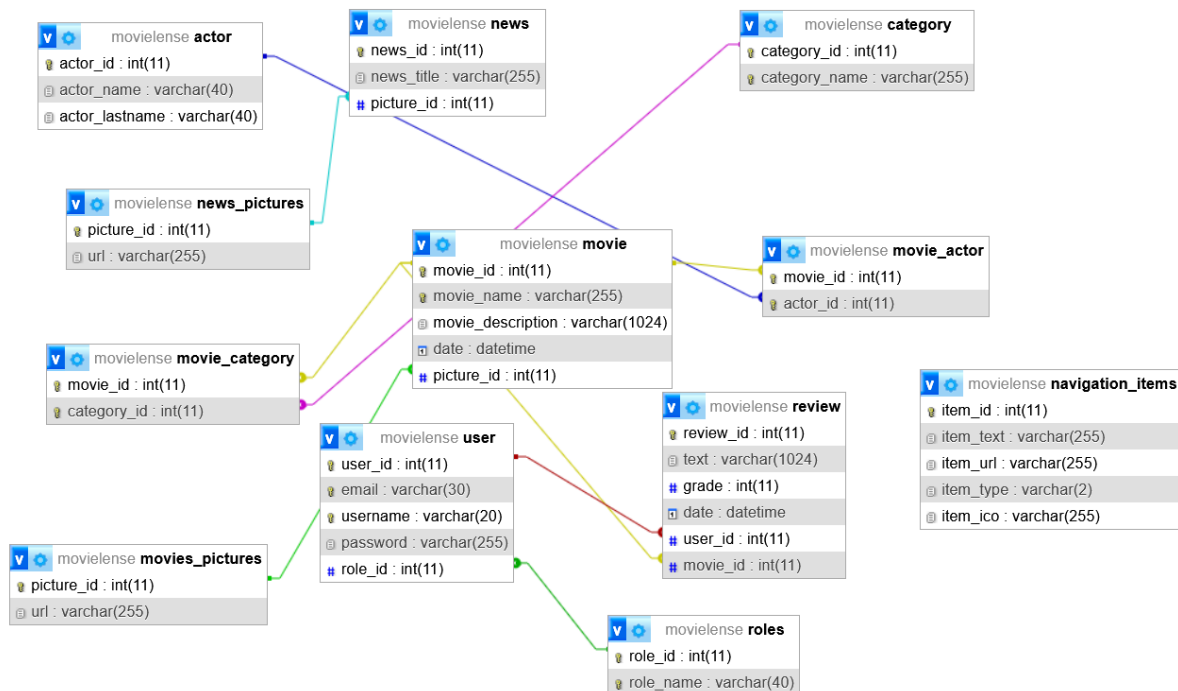
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## Uvod

### Dizajn baze



### Korišćeni programski jezici

Jezici korišćeni prilikom kreiranja sajta su: HTML, CSS, JavaScript, PHP, za lakšu organizaciju korišćen bootstrap

### Funkcionalnosti

Funkcionalnosti zajedničke za sve strane su:

1. Dinamičko ispisivanje header-a i footer-a u zavisnosti od logovanog korisnika
2. Pretraga filmova u search bar-u

Funkcionalnosti na stranici index.php?page=main

1. Ispis vesti u obliku slider-a, gde je omogućeno listanje i automatska promena na svakih 5 sekundi
2. Ispis najnovijih filmova
3. Ispis najbolje ocenjenih filmova
4. Ispis watchliste korisnika, ako je ulogovan
5. Ispis najgledanijih filmova
6. Mogućnost dodavanja filmova u watchlistu

Funkcionalnosti na stranici index.php?page=movies

1. Ispis svih filmova iz baze

2. Mogućnost dodavanja u watchlistu
3. Straničenje
4. Filtriranje i sortiranje filmova

Funkcionalnosti na stranici `index.php?page=login`

Omogućeno logovanje korisnika sa validacijom i na klijent i na server strani

Funkcionalnosti na stranici `index.php?page=register`

Omogućena registracija korisnika sa validacijom i na klijent i na server strani

Funkcionalnosti na stranici `index.php?page=contact`

Omogućeno slanje mejla adminu sa validacijom i na klijent i na server strani

Funkcionalnosti na stranici `index.php?page=movie`

1. Ispis svih podataka o filmu, kao i ocene, kategorija, glumaca i recenzija filmova
2. Ispis preporučenih filmova, na osnovu kategorije
3. Mogućnost dodavanja recenzije filmu ulogovanih korisnika, ne i admina

Funkcionalnosti na stranici `index.php?page=panel`

1. Uvid u broj logova i broj ulogovanih korisnika
2. Uvid u posećenost stranica
3. Admin alati za upravljanje dinamičkim delom sajta
4. Zabrana pristupa neautorizovanim korisnicima

Funkcionalnosti na stranici `index.php?page=moviesEdit`

Mogućnost rada crud operacija za filmove kao i za sve podatke vezane za njih, za admina. Uploadovane slike se prvo smanje, radi optimizacije pa se zatim kropuju radi stilizovanja sajta

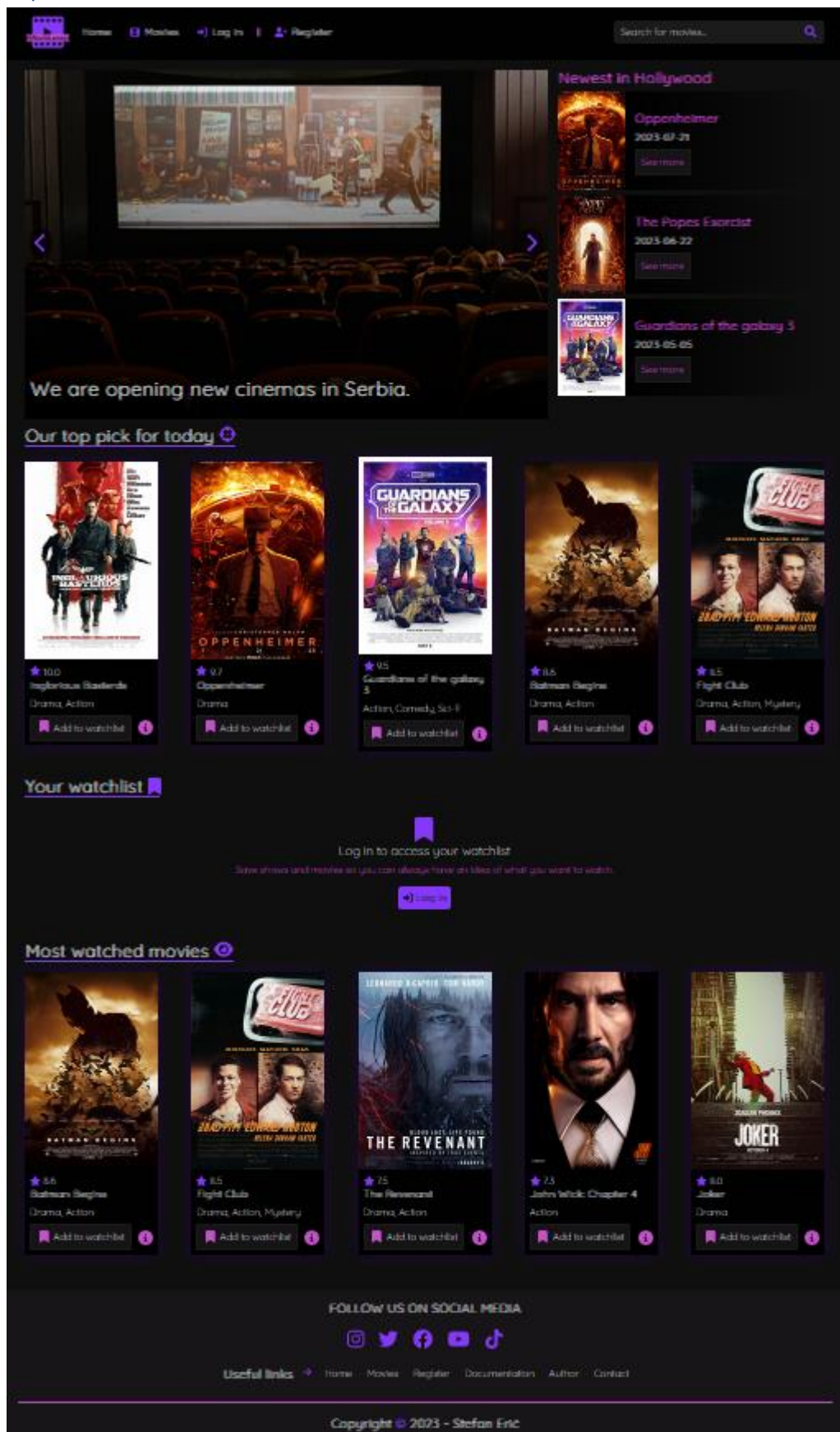
Funkcionalnosti na stranici `index.php?page=newsEdit`

Mogućnost rada crud operacija za vesti kao i za sve podatke vezane za njih, za admina

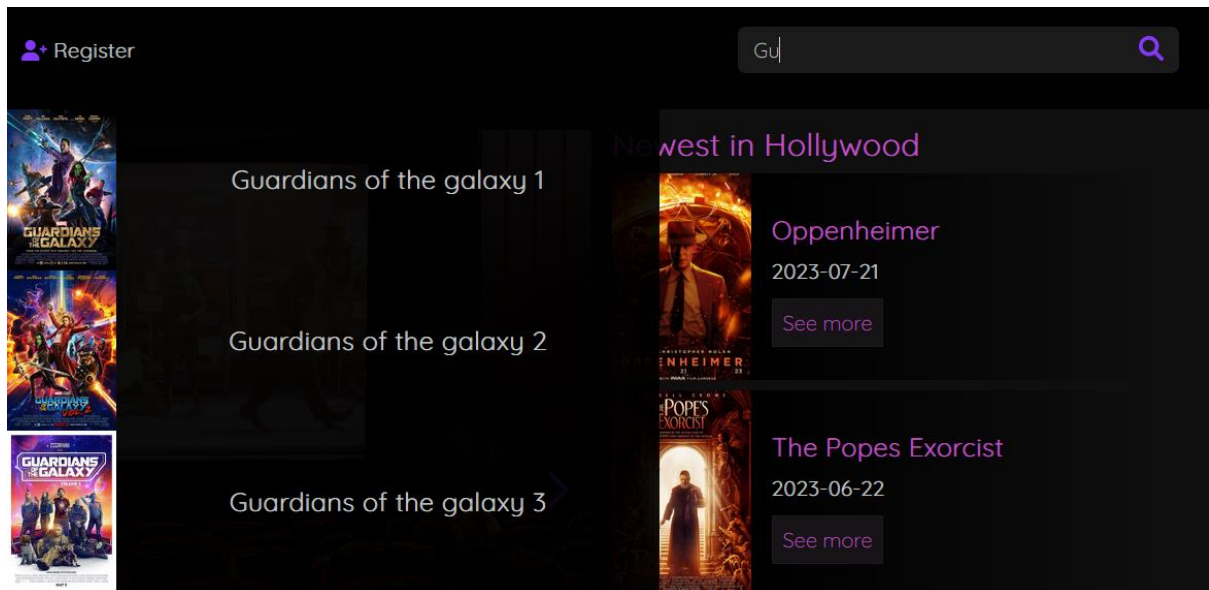
Funkcionalnosti na stranici `index.php?page=usersEdit`

Mogućnost rada crud operacija za usere kao i za sve podatke vezane za njih, za admina

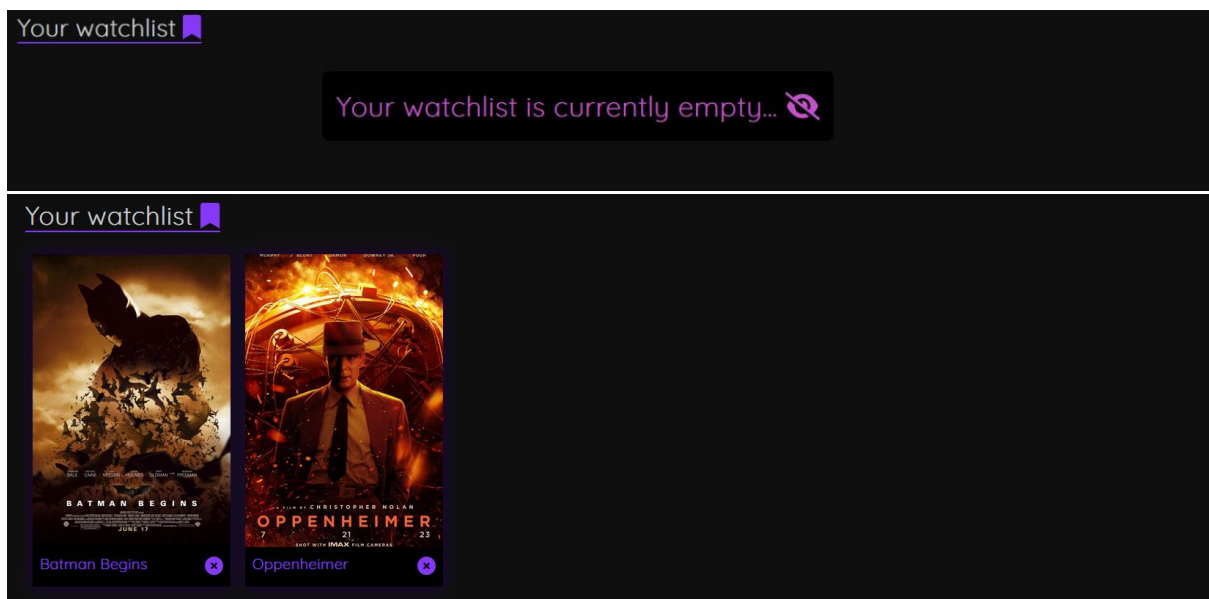
## Opis funkcionalnosti



Stranica index.php?page=main na kojoj se dinamički ispisuju vesti, najbolji filmovi, watchlista i najgledaniji filmovi, kao i dinamički ispisani header i footer

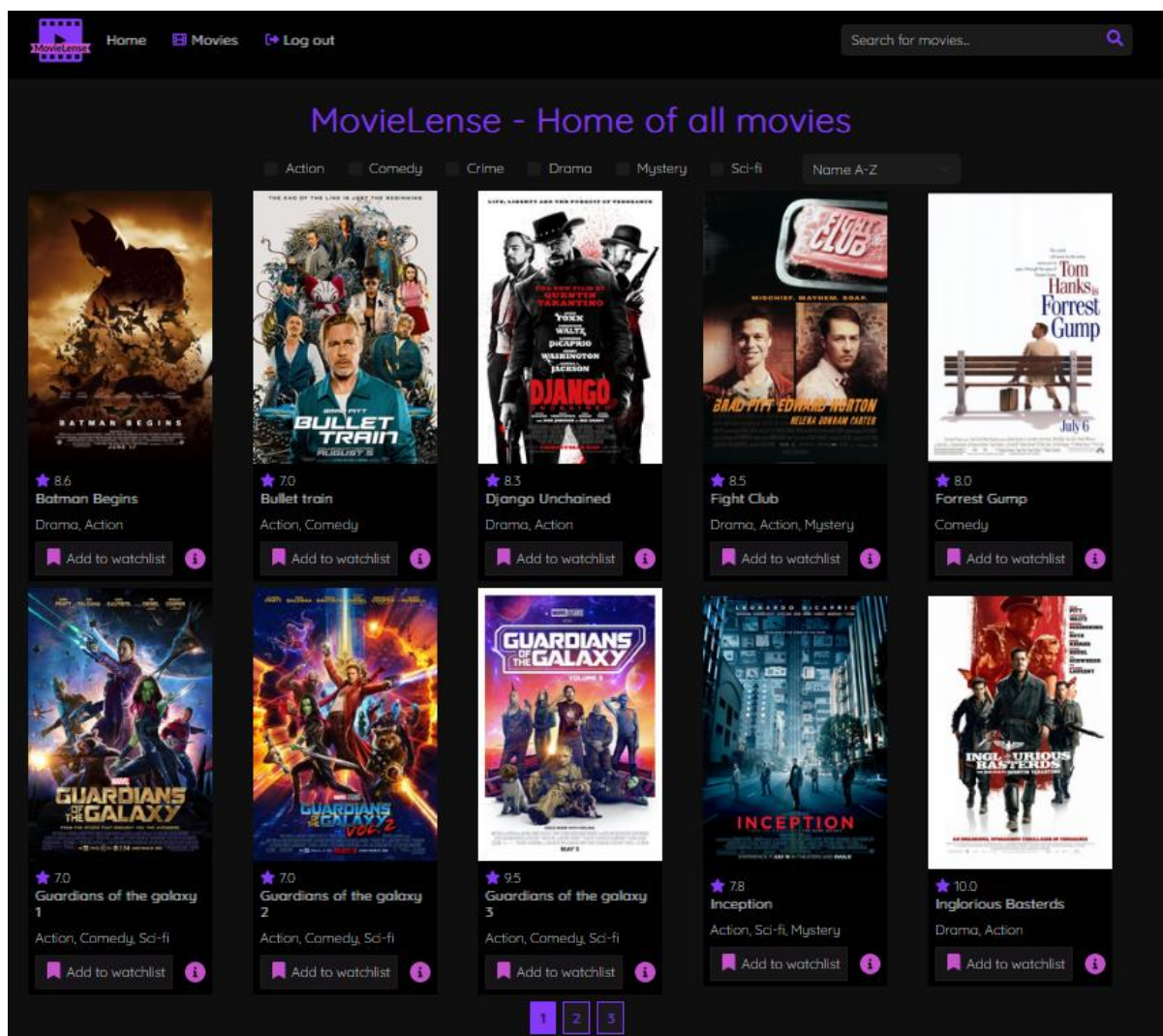


Mogućnost pretrage filmova, kao i dinamički ispis rezultata, bez reload-a, uvek ispod navigacionog menija

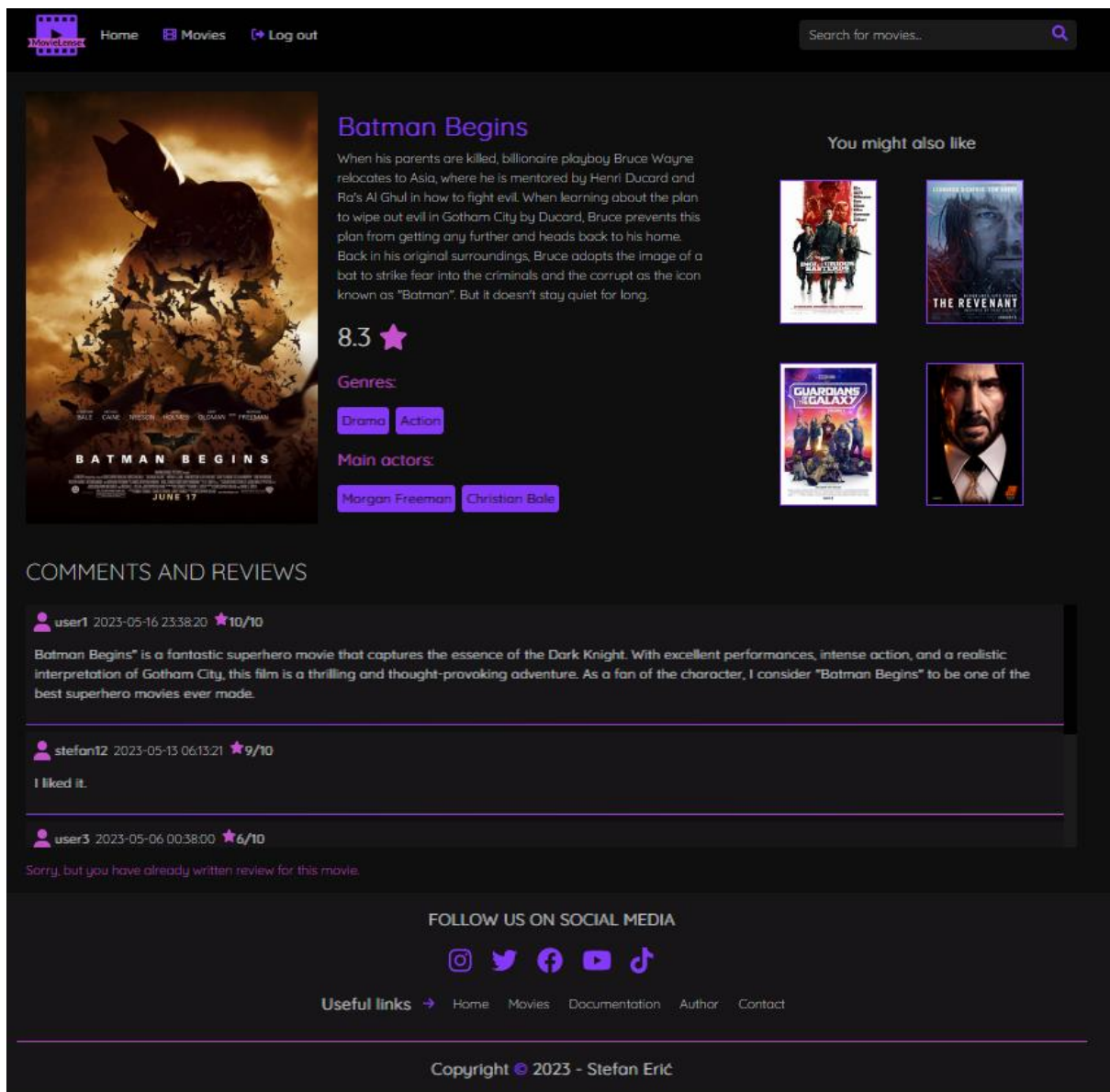


Ispis watchliste ulogovanog korisnika ( ispis poruke ako je prazna )






Stranica movies.php na kojoj se ispisuju svi filmovi, gde je menijem iznad footera omogućena paginacija, bez reloada, kao i filtriranje i sortiranje



Stranica `index.php?page=movie`, gde su dinamički ispisani svi podaci o traženom filmu kao i glumci, kategorije i preporučeni filmovi. Dodavanje komentara radi bez reloada, a na ovoj stranici se koristi slika u originalnom formatu.

## COMMENTS AND REVIEWS


 stefan12

2023-05-16 01:28:34

★10/10

Good

---

 user1

2023-05-06 23:48:22

★9/10

Guardians of the Galaxy Vol. 3" is a thrilling and emotional conclusion to the beloved space adventure franchise. The film sees the Guardians facing their biggest challenge yet as they confront a new enemy threatening the galaxy. Along the way, they must also come to terms with their own pasts and relationships, leading to powerful character moments and unexpected twists. The humor and action are as entertaining as ever, but it's the heartfelt moments that truly shine, leaving audiences with a satisfying and emotional conclusion to the series.

---

### Write your review


Choose grade


One ▾


Text


Send your review



Sekcija za unos review-a, gde je to omogućeno samo ulogovanim korisnicima koji nisu već napisali review za taj film i koji nisu admin.

 Home

 Movies

 Log out

Search for movies... 

 Run into some problems or have some suggestions? Write to us! 

Email address

Enter your email...






Subject name

Enter subject name...

Mail text

Send mail

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Useful links → [Home](#) [Movies](#) [Documentation](#) [Author](#) [Contact](#)

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Index.php?page=contact strana koja služi za slanje mejla administratoru, validacija i klijent i server

[Home](#)[Movies](#)[Log in](#)[Register](#)

## Log in

Username

Password

Log in

New to MovieLens? [Sign up now](#)

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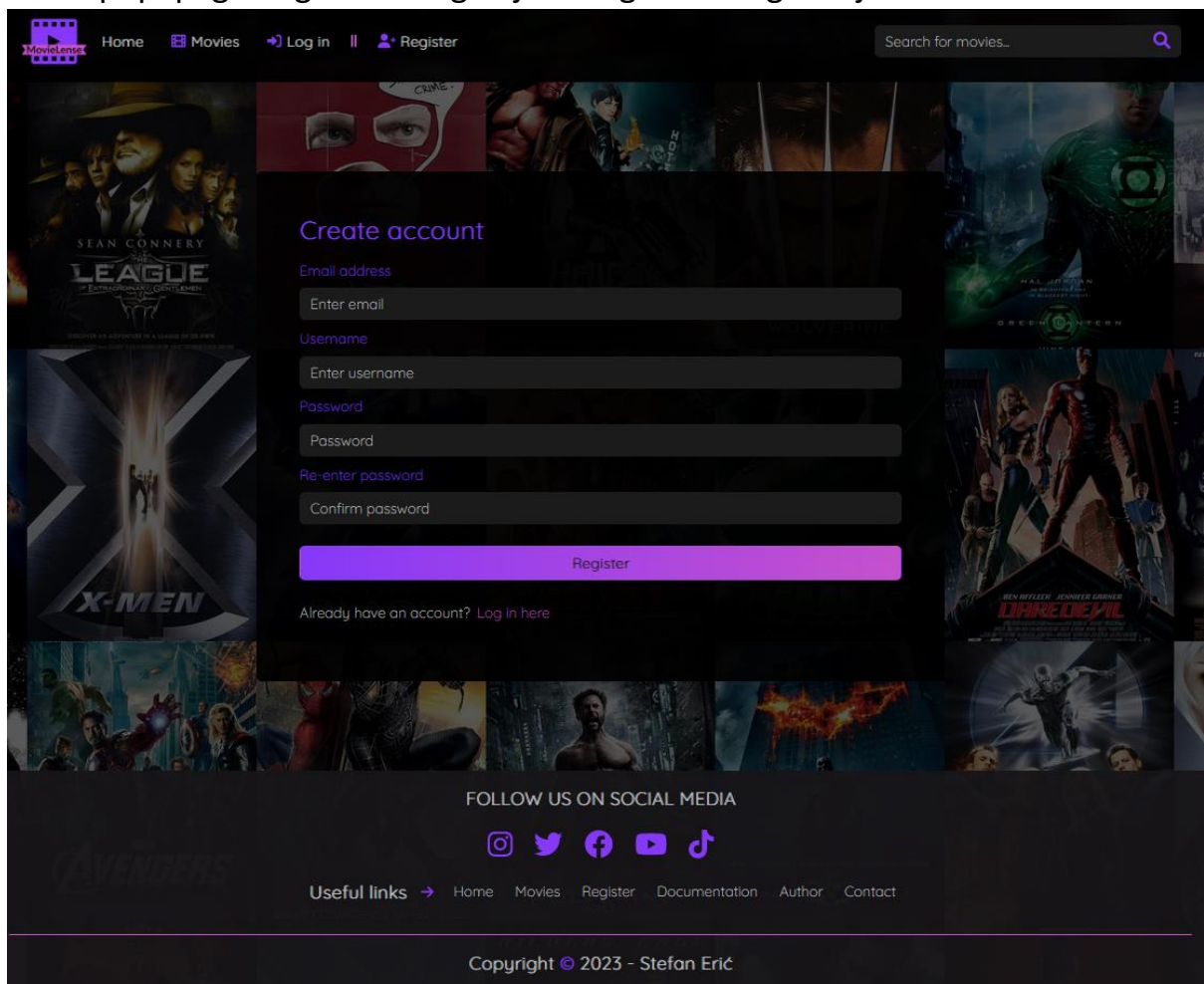


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Index.php?page=login strana gde je omogućeno logovanje korisnika



MovieLense Home Movies Log in Register Search for movies...

### Create account

Email address  
Enter email

Username  
Enter username

Password  
Password

Re-enter password  
Confirm password

Register

Already have an account? [Log in here](#)

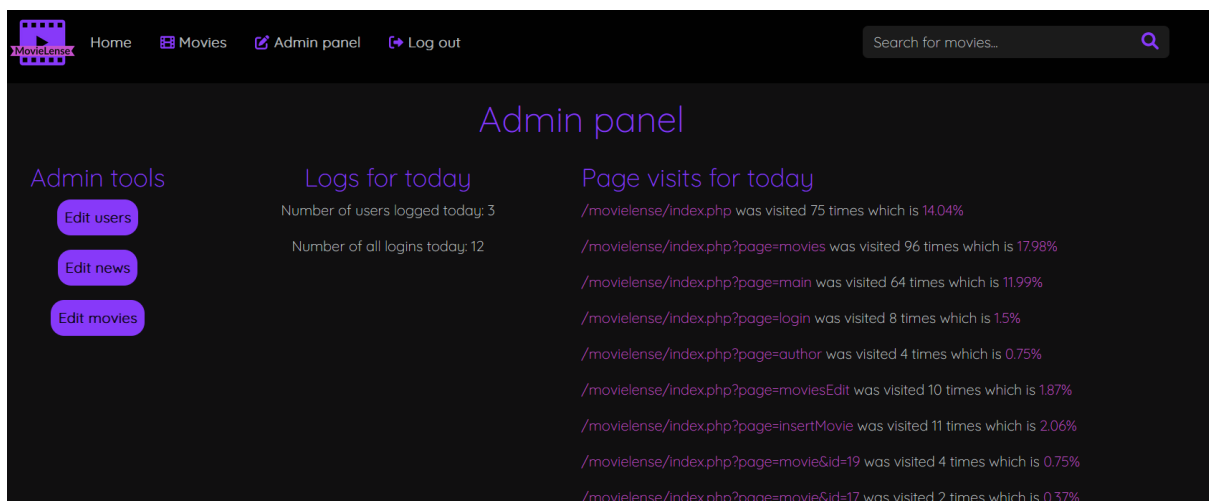
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Index.php?page=register gde je omogućena registracija korisnika







MovieLense Home Movies Admin panel Log out Search for movies...

### Admin panel

Admin tools	Logs for today	Page visits for today
<a href="#">Edit users</a>	Number of users logged today: 3	/movielense/index.php was visited 75 times which is 14.04%
<a href="#">Edit news</a>	Number of all logins today: 12	/movielense/index.php?page=movies was visited 96 times which is 17.98%
<a href="#">Edit movies</a>		/movielense/index.php?page=main was visited 64 times which is 11.99%
		/movielense/index.php?page=login was visited 8 times which is 1.5%
		/movielense/index.php?page=author was visited 4 times which is 0.75%
		/movielense/index.php?page=moviesEdit was visited 10 times which is 1.87%
		/movielense/index.php?page=insertMovie was visited 11 times which is 2.06%
		/movielense/index.php?page=movie&id=19 was visited 4 times which is 0.75%
		/movielense/index.php?page=movie&id=17 was visited 2 times which is 0.37%

Index.php?page=panel stranica za admina, gde je prikazan broj logovanih korisnika i ukupnih logova, broj posećenosti stranica i omogucen alat za rad sa dinamickim delom baze



<div>  <a href="#">Home</a> <a href="#">Movies</a> <a href="#">Admin panel</a> <a href="#">Log out</a> </div> <div>Search for movies...</div>				
<div>INSERT NEW MOVIE +</div>				
ID	Picture	Name	Edit	Delete
1		Batman Begins	<a href="#">Edit</a>	<a href="#">Delete</a>
2		Bullet train	<a href="#">Edit</a>	<a href="#">Delete</a>
3		The Dark Knight Rises	<a href="#">Edit</a>	<a href="#">Delete</a>

Strana `index.php?page=moviesEdit` gde je omogućeno dodavanje novog filma, kao i izmena i brisanje postojećih

[Home](#)[Movies](#)[Admin panel](#)[Log out](#)

## Movie picture insert

Url test

No file selected.

## New category insert

Category name

## Insert new actor

Actor name

Actor last name

## Movie insert

Choose picture

Movie title

Date of release



Movie description

### Choose categories

☐ Action ☐ Comedy ☐ Crime ☐ Drama ☐ Mystery ☐ Sci-Fi

### Choose actors

☐ Brad Pitt ☐ Edward Norton ☐ Tom Hanks ☐ Morgan Freeman  
☐ Christian Bale ☐ Heath Ledger ☐ Chris Pratt ☐ Zoe Saldana  
☐ Hugh Jackman ☐ Leonardo DiCaprio ☐ Joaquin Phoenix ☐ Matt Damon  
☐ Keanu Reeves ☐ Christoph Waltz ☐ Tom Hardy ☐ Laurence Fishburne  
☐ Cillian Murphy ☐ Matthew McConaughey ☐ Russell Crowe

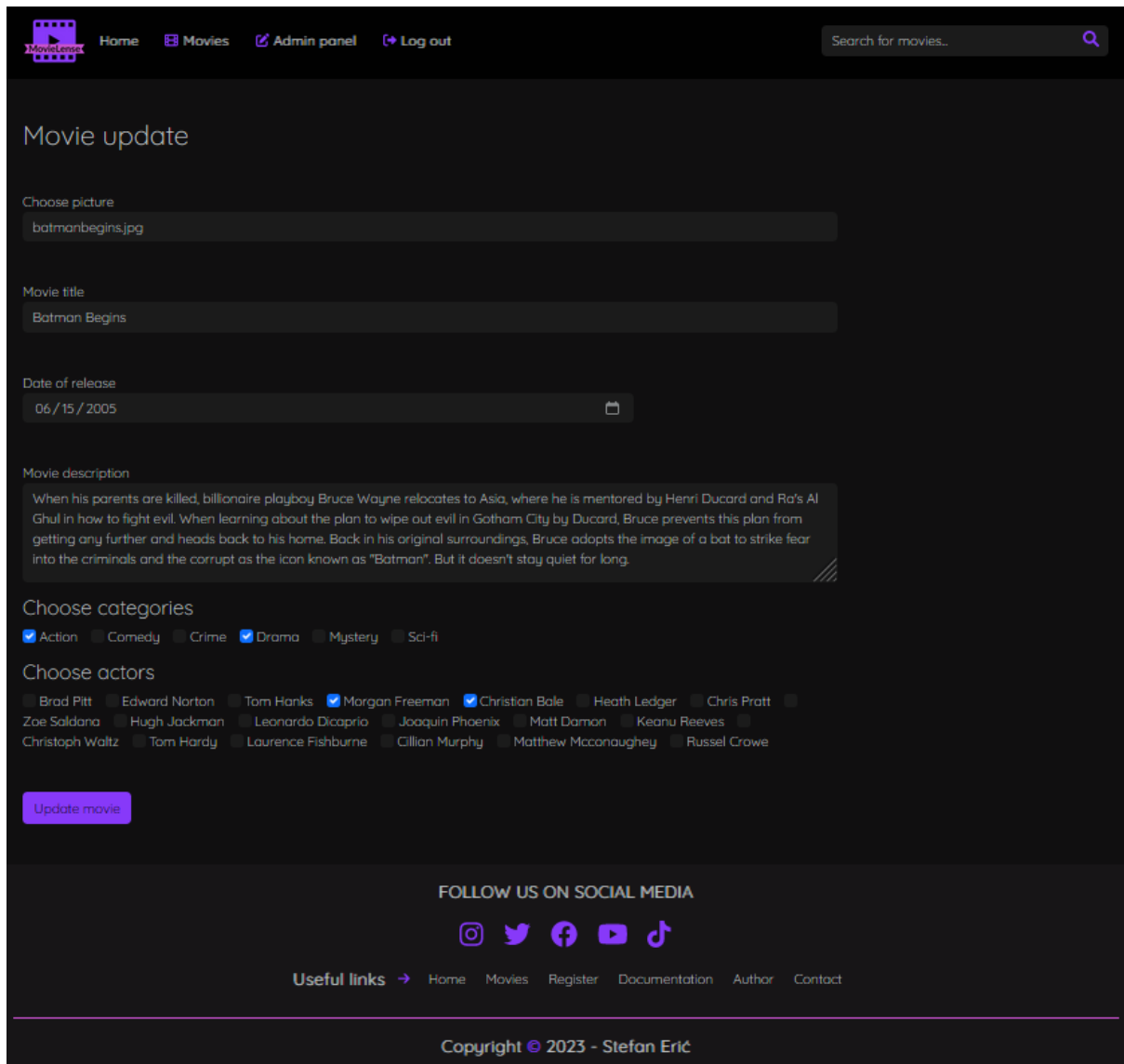
### FOLLOW US ON SOCIAL MEDIA



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Strana `index.php?page=insertMovie` gde je moguće dodavanje nove slike, kategorije, glumca kao i samog filma



The screenshot shows a web application interface for updating movie information. At the top, there is a navigation bar with links for Home, Movies, Admin panel, and Log out, along with a search bar. The main section is titled 'Movie update' and contains several form fields: 'Choose picture' with a file input showing 'batmanbegins.jpg', 'Movie title' with a text input showing 'Batman Begins', 'Date of release' with a date picker set to '06/15/2005', and 'Movie description' with a text area containing a paragraph about Bruce Wayne. Below these are sections for 'Choose categories' (with checkboxes for Action, Comedy, Crime, Drama, Mystery, Sci-fi) and 'Choose actors' (with checkboxes for various actors including Brad Pitt, Morgan Freeman, and Christian Bale). A green 'Update movie' button is at the bottom of the form. The footer includes social media links, useful links, and a copyright notice for 2023 by Stefan Erić.

Movie update

Choose picture  
batmanbegins.jpg

Movie title  
Batman Begins

Date of release  
06/15/2005

Movie description  
When his parents are killed, billionaire playboy Bruce Wayne relocates to Asia, where he is mentored by Henri Ducard and Ra's Al Ghul in how to fight evil. When learning about the plan to wipe out evil in Gotham City by Ducard, Bruce prevents this plan from getting any further and heads back to his home. Back in his original surroundings, Bruce adopts the image of a bat to strike fear into the criminals and the corrupt as the icon known as "Batman". But it doesn't stay quiet for long.

Choose categories  
☒ Action ☐ Comedy ☐ Crime ☒ Drama ☐ Mystery ☐ Sci-fi

Choose actors  
☐ Brad Pitt ☐ Edward Norton ☐ Tom Hanks ☒ Morgan Freeman ☒ Christian Bale ☐ Heath Ledger ☐ Chris Pratt ☐ Zoe Saldana ☐ Hugh Jackman ☐ Leonardo DiCaprio ☐ Joaquin Phoenix ☐ Matt Damon ☐ Keanu Reeves ☐ Christoph Waltz ☐ Tom Hardy ☐ Laurence Fishburne ☐ Cillian Murphy ☐ Matthew McConaughey ☐ Russel Crowe

Update movie

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Useful links → Home Movies Register Documentation Author Contact

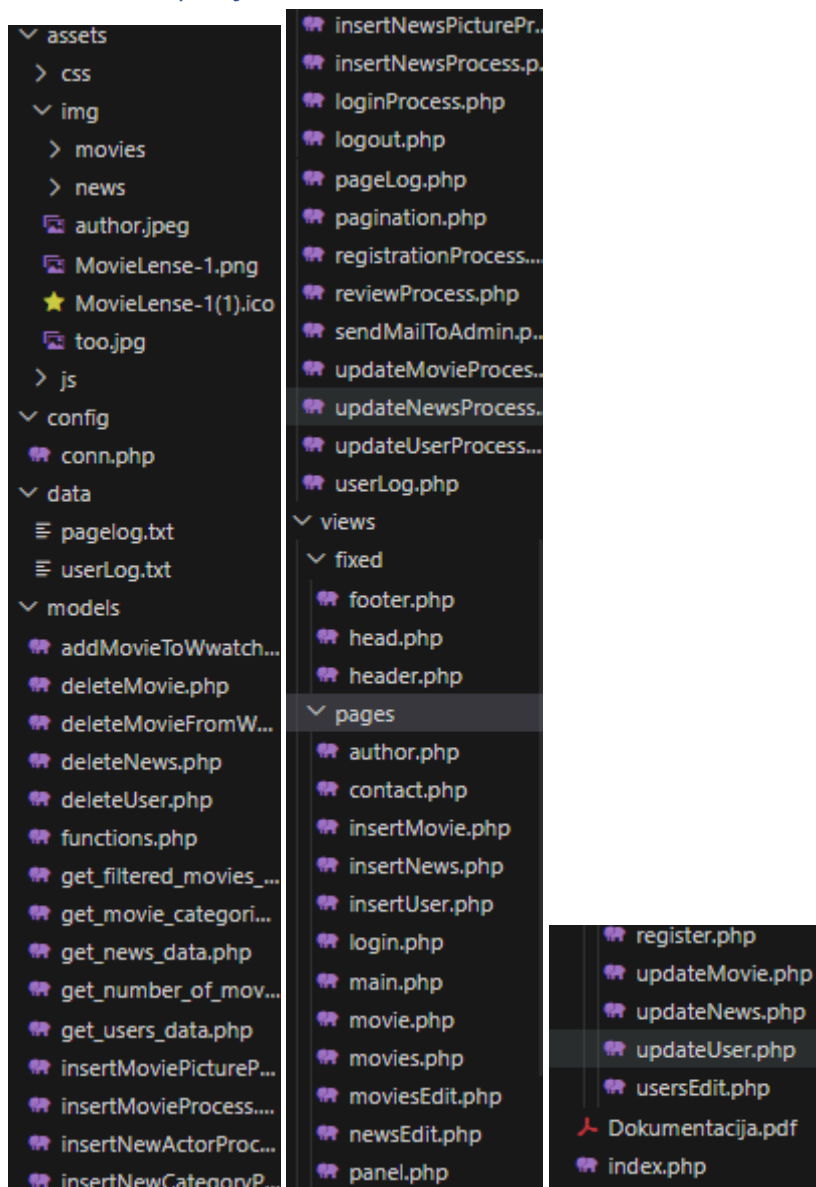
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Strana `index.php?page=updateMovie` gde je omogućeno ažuriranje filma, gde su sve vrednosti preselektovane

Isti izgled strana i za CRUD sa vestima i sa user-ima



## Struktura projekta



## Kodovi

### Head.php

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link
      rel="shortcut icon"
      href="assets/img/MovieLense-1(1).ico"
      type="image/x-icon"
    />
  </head>
</html>
```

```

/>

<link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha3/dist/css/bootstrap.min.css"
  rel="stylesheet"
  integrity="sha384-
KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJ0Z"
  crossorigin="anonymous"
/>
<script
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha3/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-
ENjd04Dr2bkBIFxQpeoTz1HIcje39Wm4jDKdf19U8gI4ddQ3GYNS7NTKfAdvQSZ"
  crossorigin="anonymous"
></script>
<script
  src="https://code.jquery.com/jquery-3.6.4.min.js"
  integrity="sha256-oP6HI9z1XaZNBrJURtCoUT5SUnxFr8s3BzRl+cbzUq8="
  crossorigin="anonymous"
></script>
<script
  src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
  crossorigin="anonymous"
></script>
<link rel="stylesheet" href="assets/css/style.css" />
<title>MovieLense | Home of all movies</title>
</head>

```

## Header.php

```

<nav class="navbar navbar-expand-lg navbar-light" id="navbar">
  <div class="container">
    <div id="logoDiv">
      <a class="navbar-brand" href="index.php">
        
      </a>
    </div>
    <button
      class="navbar-toggler"
      type="button"
      data-bs-toggle="collapse"
      data-bs-target="#navbarSupportedContent"
    >

```

[illegible]

```

        </ul>
        <div class="navbar-text d-flex justify-content-center align-items-
center">
            <form class="d-flex">
                <div class="input-group">
                    <input
                        class="form-control inputForForm"
                        id="search"
                        type="search"
                        placeholder="Search for movies..."
                        aria-label="Search"
                    />
                    <span class="input-group-text">
                        <a><i class="fa-solid fa-search search-icon ico"></i></a>
                    </span>
                </div>
            </form>
        </div>
    </div>
</nav>
<div class="mx-auto col-lg-4 col-md-7 col-10 d-none" id="searchedMovieInfo">
    <div class="d-flex justify-content-between">
        <div class="col-2">
            
        </div>
        <div class="d-flex mx-auto align-items-center fs-5 fw-bold">
            <p>This is movie title ( year )</p>
        </div>
    </div>
</div>

```

## Footer.php

```

<footer id="footer">
    <div class="container d-flex justify-content-center">
        <p class="fw-bolder fs-5 text-uppercase mt-3">Follow us on social
media</p>
    </div>
    <div class="container d-flex justify-content-center" id="socialMedia">
        <a href="#" class="p-1">
            <i class="fa-brands fa-instagram mx-2 fs-2 ico"></i>
        </a>
        <a href="#" class="p-1">
            <i class="fa-brands fa-twitter mx-2 fs-2 ico"></i>
        </a>
        <a href="#" class="p-1">

```

```

        <i class="fa-brands fa-facebook mx-2 fs-2 ico"></i>
    </a>
    <a href="#" class="p-1">
        <i class="fa-brands fa-youtube mx-2 fs-2 ico"></i>
    </a>
    <a href="#" class="p-1">
        <i class="fa-brands fa-tiktok mx-2 fs-2 ico"></i>
    </a>
</div>
<div
    class="container d-flex justify-content-center my-3 align-items-center
flex-wrap"
    id="links"
>
    <p class="fw-bolder mx-3 fs-5">Useful links</p>
    <p id="arrow"><i class="fa-solid fa-arrow-right ico"></i></p>
    <?php
        $footerLinks = getFooterLinks();
        foreach($footerLinks as $footerLink){
            if(isset($_SESSION['user'])){
                if($footerLink->item_url!="register.php"){
                    echo '<p><a href="'. $footerLink->item_url.'" class="mx-2
p-1">'. $footerLink->item_text.'</a></p>';
                }
            }
            else{
                echo '<p><a href="'. $footerLink->item_url.'" class="mx-2 p-
1">'. $footerLink->item_text.'</a></p>';
            }
        }
    ?>
</div>

<div class="container d-flex justify-content-center" id="copyrightDiv">
    <p class="fw-bolder fs-5 mt-3">Copyright <span
class="ico">&copy;</span> 2023 - Stefan Erić</p>
</div>
</footer>

```

## Index.php

```

<?php

session_start();
include "views/fixed/head.php";

include "config/conn.php";
include "models/functions.php";
include "models/pageLog.php";

```

```
$page = "main";
if(isset($_GET['page'])){
    $page = $_GET['page'];
}
?>

<body>
    <?php

    include "views/fixe/header.php";
    switch ($page){

        case "main":
            include "views/pages/main.php";
            break;
        case "login":
            include "views/pages/login.php";
            break;
        case "register":
            include "views/pages/register.php";
            break;
        case "author":
            include "views/pages/author.php";
            break;
        case "movies":
            include "views/pages/movies.php";
            break;
        case "moviesEdit":
            include "views/pages/moviesEdit.php";
            break;
        case "newsEdit":
            include "views/pages/newsEdit.php";
            break;
        case "usersEdit":
            include "views/pages/usersEdit.php";
            break;
        case "insertMovie":
            include "views/pages/insertMovie.php";
            break;
        case "insertNews":
            include "views/pages/insertNews.php";
            break;
        case "insertUser":
            include "views/pages/insertUser.php";
            break;
        case "contact":
            include "views/pages/contact.php";
```

```

        break;
    case "movie":
        include "views/pages/movie.php";
        break;
    case "updateMovie":
        include "views/pages/updateMovie.php";
        break;
    case "updateNews":
        include "views/pages/updateNews.php";
        break;
    case "updateUser":
        include "views/pages/updateUser.php";
        break;
    case "panel":
        include "views/pages/panel.php";
        break;
    };

    include "views/fixed/footer.php";
    ?>
    <script src="assets/js/main.js"></script>
</body>

```

## Author.php

```

<main>
    <div class="container d-flex flex-wrap my-5 justify-content-center">
        <div class="col-lg-5 col-md-8 col-12 me-lg-5 me-md-3 me-0">
            
        </div>
        <div class="col-lg-5 col-md-8 col-12 d-flex justify-content-center
align-items-start flex-column">
            <h1><span class="ico">Full name:</span> Stefan Erić</h1>
            <h2><span class="ico">Index number:</span> 4/21</h2>
            <h3><span class="ico">About me:</span> Hi my name is Stefan Erić,
I have finished Electrical Engineering High School "Nikola Tesla" and I tend
to be successful web developer.</h3>
            <a
href="https://ericstefan02.github.io/stefaneric.github.io/portfolio/"
target="_blank" class="insertButton text-decoration-none p-2 fw-bold">More
about me</a>
        </div>
    </div>
</main>

```

## Contact.php

```
<main>
  <div class="container">
    <div class="container d-flex justify-content-center mt-5 mb-3
text-center"><h2 class="fw-bold"><i class="fa-solid fa-gear ico"></i> Run into
some problems or have some suggestions? Write to us! <i class="fa-solid fa-
lightbulb ico"></i></h2></div>
    <form>
      <div class="form-group">
        <label for="userMailEmail" class="icoSecondary">Email
address</label>
        <input type="email" class="form-control inputForForm"
id="userMailEmail" placeholder="Enter your email...">
      </div>
      <div class="invalid-feedback" id="invalidEmail">
        Please enter a valid email.
      </div>
      <div class="form-group">
        <label for="userMailSubject" class="icoSecondary">Subject
name</label>
        <input type="text" class="form-control inputForForm"
id="userMailSubject" placeholder="Enter subject name...">
      </div>
      <div class="invalid-feedback" id="invalidSubject">
        Please enter a valid subject name.
      </div>
      <div class="form-group">
        <label for="userMailText" class="icoSecondary">Mail text</label>
        <textarea class="form-control inputForForm" id="userMailText"
rows="3"></textarea>
      </div>
      <div class="invalid-feedback" id="invalidText">
        Please enter some text.
      </div>
      <input type="button" class="btn insertButton rounded mt-3 mb-
5" id="sendMail" value="Send mail"/>
    </form>
  </div>
</main>
```

## insertMovie.php

```
<main>
<?php
if($_SESSION['user']->role_name=="admin"){

    $allMovies = getAll("movie");
    $allPictures = getAll("movies_pictures");
```



```

    $allActors = getAll("actor");
    $allCategories = getAll("category");
    echo '<div class="container mt-5"><h2>Movie picture
insert</h2></div>';
    echo '<div class = "container">';
    echo '<form class ="w-75" enctype="multipart/form-data">
    <div class="form-group mt-5">
    <label for="newPictureUrl">Url text</label>
    <input type ="file" class="form-control inputForForm"
id="newPictureUrl"/>
        </div>
        <div class="invalid-feedback" id="invalidPictureUrl">
            You must enter valid picture url.
        </div>
        <input type="button" class="btn insertButton rounded mt-5 mb-
5" id="moviePictureInsert" value="Insert new picture"/>
    </form>
    </div>'
    ;
    echo '<div class="container mt-5"><h2>New category insert</h2></div>';
    echo '<div class = "container">';
    echo '<form class ="w-75">
    <div class="form-group mt-5">
    <label for="newCategoryName">Category name</label>
    <input type ="text" class="form-control inputForForm"
id="newCategoryName"/>
        </div>
        <div class="invalid-feedback" id="invalidCategoryName">
            You must enter valid category name, starting with capital not
longer than 40 chars.
        </div>
        <input type="button" class="btn insertButton rounded mt-5 mb-
5" id="insertMovieCategory" value="Insert new category"/>
    </form>
    </div>';
    echo '<div class="container mt-5"><h2>Insert new actor</h2></div>';
    echo '<div class = "container">';
    echo '<form class ="w-75">
        <div class="form-group mt-5">
        <label for="newActorName">Actor name</label>
        <input type ="text" class="form-control inputForForm"
id="newActorName"/>
        </div>
        <div class="invalid-feedback" id="invalidActorName">
            You must enter valid first name.
        </div>
        <div class = "form-group mt-5">
        <label for="newActorLastName">Actor last name</label>

```

```

        <input type="text" class="form-control inputForForm"
id="newActorLastName"/>
    </div>
    <div class="invalid-feedback" id="invalidActorLastName">
        You must enter valid last name.
    </div>
    <input type="button" class="btn insertButton rounded mt-5 mb-
5" id="actorInsert" value="Insert new actor"/>
</form>';
echo '
<h2>Movie insert</h2>
<form class="w-75">
<div class="form-group mt-5">
<label for="pictureUrl">Choose picture</label>
<select class="form-control inputForForm" id="pictureUrl">';
foreach($allPictures as $picture){
    echo '<option value="'. $picture->picture_id. '">'. $picture->
url. '</option>';
}
echo '</div>';
echo '</select>
</div>
<div class="form-group mt-5">
    <label for="movieTitle">Movie title</label>
    <input type="text" class="form-control inputForForm"
id="movieTitle"/>
</div>
<div class="invalid-feedback" id="invalidTitle">
    You must enter text including only letters, numbers and spaces,
not logner than 40 characters.
</div>
<div class="form-group mt-5 w-75">
    <label for="movieDate">Date of release</label>
    <input type="date" class="form-control inputForForm"
id="movieDate"/>
</div>
<div class="invalid-feedback" id="invalidDate">
    You must pick a date.
</div>
<div class="form-group mt-5">
    <label for="movieDescription">Movie description</label>
    <textarea class="form-control inputForForm" id="movieDescription"
rows="3"></textarea>
</div>
<div class="invalid-feedback" id="invalidDescription">
    You must write some description.
</div>
<h4 class="mt-3">Choose categories</h4>

```

```

        <div class="d-flex">';
        foreach($allCategories as $category){
            echo '<input class="form-check-input inputForm me-1"
type="checkbox" name="movieCategories[]" value="'. $category->category_id.'">
                <label class="form-check-label me-3">
                    '. $category->category_name .'
                </label>';
        }
        echo '
    </div>
    <div class="invalid-feedback" id="invalidCategory">
        You must chose atleast one category.
    </div>
    <h4 class="mt-3">Choose actors</h4>
    <div class="d-flex flex-wrap">';
    foreach($allActors as $actor){
        echo '<div class="w-25">
            <input class="form-check-input inputForm me-1"
type="checkbox" name="movieActors[]" value="'. $actor->actor_id.'">
            <label class="form-check-label me-3">
                '. $actor->actor_name .' '. $actor->actor_lastname .'
            </label></div>';
    }
    echo '
    </div>
    <div class="invalid-feedback" id="invalidActor">
        You must choose atleast one actor.
    </div>
    <input type="button" class="btn insertButton rounded mt-5 mb-
5" id="movieInsert" value="Insert movie"/>
    </form>';

    }
    else{
        echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
            <h1>You are not allowed to enter this page!</h1>
        </div>';
    }
    ?>
</main>

```

insertNews.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){

        $allPictures = getAll("news_pictures");
    }

```



## insertUser.php

```
<main>
<?php
if($_SESSION['user']->role_name=="admin"){

    $allRoles = getAll("roles");
    echo '<div class="container mt-5"><h2>Insert user</h2></div>';
    echo '<div class = "container">';
    echo '<form class="w-75">
    <div class="form-group">
        <label for="regInputEmail" class="my-2 ico">Email
address</label>
        <input type="email" class="form-control inputForForm"
id="regInputEmail" aria-describedby="emailHelp" placeholder="Enter email">
        <div class="invalid-feedback" id="invalidEmail">
            Please enter a valid email.
        </div>
    </div>
    <div class="form-group">
        <label for="regInputUsername" class="my-2
ico">Username</label>
        <input type="text" class="form-control inputForForm"
id="regInputUsername" aria-describedby="emailHelp" placeholder="Enter
username">
        <div class="invalid-feedback" id="invalidUsername">
            Please enter username that is more than 3 characters
long.
        </div>
        <div class="invalid-feedback" id="takenUsername">
            Username is taken.
        </div>
    </div>
    <div class="form-group">
        <label for="regInputPassword" class="my-2
ico">Password</label>
        <input type="password" class="form-control inputForForm"
id="regInputPassword" placeholder="Password">
        <div class="invalid-feedback" id="invalidPassword">
            Please enter a password that has one small, one
capital letter and a number.
        </div>
    </div>
    <div class="form-group">
        <label for="regInputRenter" class="my-2 ico">Re-enter
password</label>
        <input type="password" class="form-control
inputForForm" id="regInputRenter" placeholder="Confirm password">
        <div class="invalid-feedback" id="invalidRenter">
```

```

        Passwords do not match eachother.
    </div>
</div>
<div class="form-group mt-5">
    <label for="pictureUrl">Choose role</label>
    <select class="form-control inputForm"
id="userRole">';
        foreach($allRoles as $role){
            echo '<option value="'. $role->role_id.'">' . $role-
>role_name.'</option>';
        }
        echo '</select>'
    </div>
    <input type="button" class="btn insertButton rounded
mt-5 mb-5" id="userInsert" value="Insert user"/>
    </form>';

    }
    else{
        echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
            <h1>You are not allowed to enter this page!</h1>
            </div>';
    }
    ?>
</main>

```

## Login.php

```

<body id="loginBody">
    <main>
        <div class="container col-lg-4 col-md-6 col-sm-10 p-5 rounded"
id="formDiv">
            <h3 class="fw-bold ico">Log in</h3>
            <form action="models/loginProcess.php" method="post">
                <form>
                    <div class="form-group">
                        <label for="loginEmail" class="my-2
ico">Username</label>
                        <input type="text" class="form-control inputForm"
id="loginUsername" name="loginUsername" aria-describedby="emailHelp"
placeholder="Enter email">
                    </div>
                    <div class="form-group">
                        <label for="loginEmail" class="my-2
ico">Password</label>
                        <input type="password" class="form-control inputForm"
id="loginPassword" name="loginPassword" placeholder="Password">
                    </div>
                </form>
            </div>
        </main>
    </body>

```

```

        <div class="invalid-feedback">
            There is no account matching your parameters.
        </div>
        <button type="submit" class="btn mt-4 w-100 fw-bold"
id="submitButton" name="submitButton">Log in</button>
    </form>
</form>
<div class="d-flex mt-4">
    <p class="me-2">New to MovieLense?</p>
    <a href="index.php?page=register"><p id="signUpNow">Sign up
now</p></a>
</div>
</div>
</body>

```

## Main.php

```

<main>
    <div class="d-flex flex-wrap container align-items-center mt-2 mb-4">
        <div class="col-lg-8 col-12">
            <div class="d-flex align-items-center justify-content-center me-lg-3
me-md-0">
                <a href="#" class="fs-2" id="slideLeft"
                    ><i class="fa-solid fa-chevron-left ico"></i>
                </a>
                <div id="mainMovie" class="col-12 mt-2">
                    <img src="" class="img-fluid" alt="picOfMainNews"
id="newsCover"/>
                </div>
                <a href="#" class="fs-2" id="slideRight"
                    ><i class="fa-solid fa-chevron-right ico"></i>
                </a>
            </div>
            <h2 id="sliderText" class="fw-bolder ms-2"></h2>
        </div>
        <div class="col-lg-4 col-12">
            <h4 class="mt-lg-0 mt-md-5 mt-3 fw-bold icoSecondary">Newest in
Hollywood</h4>
            <?php
                $newestMovies = getNewestMovies();
                foreach($newestMovies as $newestMovie){
                    $id = $newestMovie->movie_id;
                    $name = $newestMovie->movie_name;
                    $date = date('Y-m-d', strtotime($newestMovie->date));
                    $url = $newestMovie->url;
                    $alt = explode(".", $url)[0];
                    echo ' <div class="d-flex movieInfoHolder mb-2">
                        <div class="col-3">

```

```

            </div>
            <div class="movieInfoNew col-9 d-flex flex-
column justify-content-center">
                <div class="mx-3">
                    <h5 class="fw-bolder
icoSecondary">'. $name.'</h5>
                    <p class="fw-bold">'. $date.'</p>
                    <a href="index.php?page=movie&id='. $id.'"
class="text-decoration-none seeMoreLink p-2"
                        >See more</a>
                </div>
            </div>
        </div>';
    }
    ?>
</div>
</div>
<div class="container">
    <h3 class="fw-bold sectionHeader mt-2">Our top pick for today <span><i
class="fa-solid fa-crosshairs ico"></i></span></h3>
    <div class="d-flex justify-content-between flex-wrap align-items-
center">
        <?php
        $bestMovies = getBestMovies();
        foreach($bestMovies as $bestMovie){
            $name = $bestMovie->movie_name;
            $url = $bestMovie->url;
            $alt = explode(".", $url)[0];
            $id = $bestMovie->movie_id;
            $avgGrade = $bestMovie->grade;
            $formatted_grade = number_format((float) $avgGrade, 1, '.',
'');

            $categories = getMovieCategories($id);
            echo' <div class="col-lg-2 col-6 my-2 p-lg-0 p-1 movieDiv">
                <a href="index.php?page=movie&id='. $id.'">
                    
                </a>
                <div class="p-2 movieInfo">
                    <i class="fa-solid fa-star ico"></i>
                    ' . $formatted_grade . '
                    <h6 class="fw-bolder">'. $name.'</h6>
                    <p>';
                    $rb = 0;

```



```

        foreach($categories as $category){
            $rb++;
            echo $category->category_name;
            if($rb!=count($categories)){
                echo ", ";
            }
        }
        echo'</p>
        <div class="d-flex justify-content-between flex-wrap">
            <div class="col-10">';
            if(isset($_SESSION['user'])){
                echo'<a
href="models/addMovieToWatchList.php?movieId='.$id.'&userId='.$_SESSION['user']->user_id.'" class="text-decoration-none watchlistLink p-2"><i class="fa-solid fa-bookmark fs-5 mx-1 icoSecondary"></i> Add to watchlist</a>';
            }
            else{
                echo'<a href="index.php?page=login" class="text-decoration-none watchlistLink p-2"><i class="fa-solid fa-bookmark fs-5 mx-1 icoSecondary"></i> Add to watchlist</a>';
            }
            echo'</div>
            <div class="mb-1">
                <a href="index.php?page=movie&id='.$id.'"
class="info"><i class="fa-solid fa-circle-info info fs-4 icoSecondary"></i></a>
            </div>
            </div>
        </div>
    </div>';
    }
    ?>
</div>
</div>
<div class="container mt-3 mb-5">
    <h3 class="fw-bold my-3 sectionHeader">Your watchlist <span><i
class="fa-solid fa-bookmark ico"></i></span></h3>
    <?php
    if(isset($_SESSION['user'])){
        $number = 0;
        $watchlistQuery = getUserWatchlist($_SESSION['user']->user_id);
        foreach($watchlistQuery as $watchlistitem){
            $number++;
        }
        if($number==0){
            echo'<div class="container d-flex justify-content-center align-items-center flex-column mt-3 text-center">

```

```

        <p class="icoSecondary fs-2 fw-bold bg-black p-3 rounded-
3">Your watchlist is currently empty... <i class="fas fa-eye-slash"></i></p>
        </div>';
    }
    else{
        echo '<div class="d-flex justify-content-start flex-wrap align-
items-center">';
        $watchlistQuery2 = getUserWatchlist($_SESSION['user']->user_id);
        foreach($watchlistQuery2 as $watchlist){
            $name = $watchlist->movie_name;
            $url = $watchlist->url;
            $alt = explode(".", $url)[0];
            $id = $watchlist->movie_id;
            echo' <div class="col-lg-2 col-8 p-lg-0 p-1 my-2 mx-2
movieDiv">

                <a href="index.php?page=movie&id=' . $id . '">
                
                </a>
                <div class="p-2 movieInfo d-flex justify-content-
between align-items-center">
                    <h6 class="fw-bolder ico">' . $name . '</h6>
                    <a
href="models/deleteMovieFromWatchlist.php?movieId=' . $watchlist->
movie_id . '&userId=' . $watchlist->user_id . '" class="text-decoration-none
ico"><i class="fa-solid fa-circle-xmark fs-5"></i></a>
                    </div>
                </div>';
        }
    }
    echo '</div>';
}
else{
    echo ' <div class="container d-flex justify-content-center align-
items-center flex-column mt-3 text-center">
        <i class="fa-solid fa-bookmark ico fs-1"></i>
        <h5>Log in to access your watchlist</h5>
        <p class="icoSecondary">Save shows and movies so you can
always have an idea of what you want to watch.</p>
        <a id="logIn" class="text-decoration-none p-1 rounded fw-
bolder" href="index.php?page=login"><i class="fa-solid fa-right-to-
bracket"></i> Log in</a>
        </div>';
    }
    ?>
</div>
<div class="container mb-5">

```

```

        <h3 class="fw-bold sectionHeader">Most watched movies <span><i
class="fa-solid fa-eye ico"></i></span></h3>
        <div class="d-flex justify-content-between flex-wrap align-items-
center">
            <?php
            $mostWatchedMovies = getMostWatchedMovies();
            foreach($mostWatchedMovies as $mostWatchedMovie){
                $name = $mostWatchedMovie->movie_name;
                $url = $mostWatchedMovie->url;
                $alt = explode(".", $url)[0];
                $id = $mostWatchedMovie->movie_id;
                $avgGrade = $mostWatchedMovie->grade;
                $formatted_grade = number_format((float) $avgGrade, 1, '.',
'');

                $categories = getMovieCategories($id);
                echo' <div class="col-lg-2 col-6 p-lg-0 p-1 my-2 movieDiv">
                    <a href="index.php?page=movie&id='.$id.'">
                        
                        </a>
                        <div class="p-2 movieInfo">
                            <i class="fa-solid fa-star ico"></i>
                            '.$formatted_grade.'
                            <h6 class="fw-bolder">'.$name.'</h6>
                            <p>';
                            $rb = 0;
                            foreach($categories as $category){
                                $rb++;
                                echo $category->category_name;
                                if($rb!=count($categories)){
                                    echo ", ";
                                }
                            }
                            echo'</p>
                            <div class="d-flex justify-content-between flex-wrap">
                                <div class="col-10">';
                                if(isset($_SESSION['user'])){
                                    echo'<a
href="models/addMovieToWatchList.php?movieId='.$id.'&userId='.$_SESSION['user
']->user_id.'" class="text-decoration-none watchlistLink p-2"><i class="fa-
solid fa-bookmark fs-5 mx-1 icoSecondary"></i> Add to watchlist</a>';
                                }
                                else{
                                    echo'<a href="index.php?page=login" class="text-
decoration-none watchlistLink p-2"><i class="fa-solid fa-bookmark fs-5 mx-1
icoSecondary"></i> Add to watchlist</a>';
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```

        echo'</div>
        <div class="mb-1">
            <a href="index.php?page=movie&id='.$id.'"
class="info"><i class="fa-solid fa-circle-info info fs-4
icoSecondary"></i></a>

        </div>
    </div>
</div>
</div>' ;
    }
    ?>
</div>
</div>
</main>

```

## Movie.php

```

<?php
$id = $_GET['id'];
$movieData = getMovie($id);
$similarMovies = getSimilarMovies($id);
$categories = getMovieCategories($id);
$actors = getMovieActors($id);
$reviews = getMovieReviews($id);
?>
<main>
    <div class="container d-flex justify-content-between mt-4 flex-wrap">
        <div class="col-lg-8 col-12 d-flex flex-wrap">
            <div class="col-lg-5 col-10 mx-auto">
                
            </div>
            <div class="col-lg-7 col-12 p-4">
                <h2 class="fw-bold ico"><?=$movieData->movie_name?></h2>
                <p><?=$movieData->movie_description?></p>
                <p class="fw-bold fs-2"><?=$formatted_grade =
number_format((float) $movieData->grade, 1, '.', '')?> <i class="fa-solid fa-
star icoSecondary"></i></p>
                <p class="fw-bolder icoSecondary fs-5">Genres:</p>
                <div class="d-flex">
                    <?php
                    foreach($categories as $category){
                        echo '<p class="movieTerm fw-bolder me-
2">'.$category->category_name.'</p>';
                    }
                    ?>
                </div>
                <p class="fw-bolder icoSecondary fs-5">Main actors:</p>
                <div class="d-flex">

```

```

        <?php
            foreach($actors as $actor){
                echo '<p class="movieTerm fw-bolder me-
2">'.$actor->actor_name.' '.$actor->actor_lastname.'</p>';
            }
        ?>
    </div>
</div>
<div class="col-lg-4 col-sm-12 d-flex flex-column align-items-
center justify-content-center">
    <p class="fw-bolder fs-5">You might also like</p>
    <div class="col-10 d-flex justify-content-around mb-5 mt-3">
        <?php
            $bound = 2;
            $rb = 0;
            foreach($similarMovies as $similarMovie){
                $rb++;
                if($rb<=$bound){
                    echo' <div class="col-4 similarMovie">
                        <a
href="index.php?page=movie&id='.$similarMovie->movie_id.'"></a>

                        </div>';
                }
            }
        ?>
    </div>
    <div class="col-10 d-flex justify-content-around">
        <?php
            $rb = 0;
            foreach($similarMovies as $similarMovie){
                $rb++;
                if($rb>$bound){
                    echo' <div class="col-4 similarMovie">
                        <a
href="index.php?page=movie&id='.$similarMovie->movie_id.'"></a>

                        </div>';
                }
            }
        ?>
    </div>
</div>
<div class="container">

```

```
<h3 class="text-uppercase mb-4 mt-3">Comments and reviews</h3>
<div class="col-12 mb-3" id="allComents">
    <?php
        foreach($reviews as $review){
            echo' <div class="d-flex flex-column comment mb-2">
                <div class="d-flex">
                    <i class="fa-solid fa-user fs-4 me-1
icoSecondary"></i>

                    <p class="fw-bolder me-2">'. $review->
username.'</p>

                    <p class="me-2">'. $review->date.'</p>
                    <i class="fa-solid fa-star icoSecondary"></i>
                    <p class="fw-bold">'. $review->grade.'/10</p>
                </div>
                <p class="fw-bolder">'. $review->text.'</p>
            </div>';
        }
    ?>
</div>
<div>
    <?php
        if(isset($_SESSION['user'])){
            $user = $_SESSION['user'];
            if($user->role_name=="admin"){
                echo'<a href="index.php?page=login" class="text-
decoration-none fw-bolder"><p id="commentLogin">Admin can not write a review,
log in as user instead</p></a>';
            }
            else{
                $numberOfReviews = 0;
                $reviewsOfUser =
checkIfUserHasAlreadyReviewedMovie($user->user_id, $id);
                foreach($reviewsOfUser as $reviewOfUser){
                    $numberOfReviews++;
                }
                if($numberOfReviews == 0){
                    echo'<div id="reviewForm">
                        <h3>Write your review</h3>
                        <form>
                            <div class="form-group">
                                <label for="gradeOption"
class="icoSecondary">Choose grade </label>
                                <select class="form-select w-25
inputForForm" id="gradeOption" name="gradeOption">
                                    <option value="1">One</option>
                                    <option value="2">Two</option>
                                    <option value="3">Three</option>
                                    <option value="4">Four</option>
                                </select>
                            </div>
                        </form>
                    </div>';
                }
            }
        }
    ?>
</div>
</div>
```

```

        <option value="5">Five</option>
        <option value="6">Six</option>
        <option value="7">Seven</option>
        <option value="8">Eight</option>
        <option value="9">Nine</option>
        <option value="10">Ten</option>
    </select>
</div>
<div class="form-group">
    <input type="hidden" class="form-control
inputForForm" id="movieId" value="'. $id.'"/>
</div>
<div class="form-group">
    <input type="hidden" class="form-control
inputForForm" id="userId" value="'. $user->user_id.'"/>
</div>
<div class="form-group">
    <label for="reviewText"
class="icoSecondary">Text</label>
    <textarea class="form-control
inputForForm" id="reviewText" rows="3"></textarea>
</div>
<div class="invalid-feedback"
id="reviewTextFeedback">
    You must write some text.
</div>
</form>
</div>
</div>';
    echo '<a href="" class="text-decoration-none fw-
bolder"><p id="commentLoginButton" class="mt-3 fs-5">Send your
review</p></a>';
    }
    else{
        echo '<p class="icoSecondary">Sorry, but you
have already written review for this movie.</p>';
    }
    }
    }
    else{
        echo ' <a href="index.php?page=login" class="text-
decoration-none fw-bolder"><p id="commentLogin">Log in to leave a
comment</p></a>';
    }
    ?>
</div>
</main>

```

## Movies.php

```
<main>
    <div class="container d-flex justify-content-center mt-4 mb-2 text-center"> <h1 class="fw-bold ico">MovieLense - Home of all movies</h1></div>
    <?php
        $allCategories = getAll("category");
        echo '<div class="container d-flex justify-content-center mb-2 flex-wrap align-items-center">';
        foreach($allCategories as $category){
            echo ' <div class="form-check">
                <input class="form-check-input inputForForm ms-1"
name="categories[]" type="checkbox" value="'. $category->category_id.'" />
                &nbsp;
                <label class="form-check-label">
                    '. $category->category_name .'
                </label>
            </div>';
        }
        echo '<div>
            <select class="form-select inputForForm ms-md-5 ms-0" id="sort">
                <option value="1">Name A-Z</option>
                <option value="2">Newer</option>
                <option value="3">Older</option>
                <option value="4">Best rating</option>
                <option value="5">Worst rating</option>
            </select>
        </div>';
        echo '</div>';
    ?>
    <div class="d-flex justify-content-between flex-wrap container align-items-center" id="allMovies">
        <?php
            $allMovies = getAllDataOfMovies();
            foreach($allMovies as $movie){
                $name = $movie->movie_name;
                $url = $movie->url;
                $alt = explode(".", $url)[0];
                $id = $movie->movie_id;
                $avgGrade = $movie->grade;
                $formatted_grade = number_format((float) $avgGrade, 1, '.',
');
                $categories = getMovieCategories($id);
                echo' <div class="col-lg-2 col-6 p-lg-0 p-1 mb-2 me-md-4 me-0">
                    <a href="index.php?page=movie&id="'. $id.'">
                    
```



```

        </a>
        <div class="p-2 movieInfo">
        <i class="fa-solid fa-star ico"></i>
'. $formatted_grade.'

        <h6 class="fw-bolder">' . $name . '</h6>
        <p>';
        $rb = 0;
        foreach($categories as $category){
            $rb++;
            echo $category->category_name;
            if($rb!=count($categories)){
                echo ", ";
            }
        }
        echo'</p>
        <div class="d-flex justify-content-between">
            <div class="col-10">';
            if(isset($_SESSION['user'])){
                echo'<a
href="models/addMovieToWatchList.php?movieId=' . $id . '&userId=' . $_SESSION['user
']->user_id.'" class="text-decoration-none watchlistLink p-2"><i class="fa-
solid fa-bookmark fs-5 mx-1 icoSecondary"></i> Add to watchlist</a>';
            }
            else{
                echo'<a href="login.php" class="text-decoration-
none watchlistLink p-2"><i class="fa-solid fa-bookmark fs-5 mx-1
icoSecondary"></i> Add to watchlist</a>';
            }
            echo'</div>
            <div class="mb-1">
                <a href="index.php?page=movie&id=' . $id . '"
class="info"><i class="fa-solid fa-circle-info info fs-4
icoSecondary"></i></a>

            </div>
        </div>
        </div>
        </div>';
    }
    ?>
</div>
</div>
<div class="container d-flex justify-content-center align-items-center"
id="paginationMenu">
    <?php
        $numberOfPages = getNumberOfPages();
        for($i = 0; $i<$numberOfPages; $i++){

```

```

        echo '<a href="#" class="text-decoration-none movie-pagination
' . ($i==0?"active":"").' ' data-limit="' . $i.'"><p class="me-2 paginationLink fw-
bold">' . ($i+1).'</p></a>';
    }
    ?>
</div>
</main>

```

## MoviesEdit.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){

        echo '<div class="container mt-4 d-flex">
            <a href="index.php?page=insertMovie" class="text-decoration-
none p-3 fw-bold text-uppercase insertButton me-3">Insert new movie <i
class="fa-solid fa-plus"></i></a>
        </div>';

        echo' <div class="container mt-4">
            <table class="table table-dark">
                <thead>
                    <tr>
                        <th scope="col">ID</th>
                        <th scope="col">Picture</th>
                        <th scope="col">Name</th>
                        <th scope="col">Edit</th>
                        <th scope="col">Delete</th>

                    </tr>
                </thead>
                <tbody>';

        $movies = getAllMovies();

        foreach($movies as $movie){
            echo'<tr>
                <td class="fw-bold">' . $movie->movie_id.'</td>
                <td><div class="col-md-4 col-8">url)[0].' " class="img-fluid"></div></td>
                <td class="fs-4">' . $movie->movie_name.'</td>
                <td class="fs-5"><a
href="index.php?page=updateMovie&id="' . $movie->movie_id.'" class="text-
decoration-none icoSecondary">Edit <i class="fa-solid fa-pen-to-
square"></i></a></td>

```

```

                <td class="fs-5"><a href =
"models/deleteMovie.php?id='.$movie->movie_id.'" class="text-decoration-none
icoSecondary">Delete <i class="fa-solid fa-circle-xmark"></i></a> </td>
            </tr>';
        }
        echo'</tbody>
        </table>
    </div>';
    }
    else{
        echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
            <h1>You are not allowed to enter this page!</h1>
            </div>';
    }
    ?>
</main>

```

## newsEdit.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){

        echo '<div class="container mt-4 d-flex">
            <a href="index.php?page=insertNews" class="text-decoration-
none p-3 fw-bold text-uppercase insertButton me-3">Insert more news <i
class="fa-solid fa-plus"></i></a>
        </div>';

        echo' <div class="container mt-4">
            <table class="table table-dark">
                <thead>
                    <tr>
                        <th scope="col">ID</th>
                        <th scope="col">Picture</th>
                        <th scope="col">Name</th>
                        <th scope="col">Edit</th>
                        <th scope="col">Delete</th>

                    </tr>
                </thead>
                <tbody>';

        $news = getAllNews();

        foreach($news as $new){
            echo'<tr>
                <td class="fw-bold">'.$new->news_id.'</td>

```

```

                <td><div class="col-md-5 col-10">url)[0].'"
class="img-fluid"></div></td>
                <td class="fs-4">' . $new->news_title.'</td>
                <td class="fs-5"><a
href="index.php?page=updateNews&id=' . $new->news_id.'" class="text-decoration-
none icoSecondary">Edit <i class="fa-solid fa-pen-to-square"></i></a></td>
                <td class="fs-5"><a href =
"models/deleteNews.php?id=' . $new->news_id.'" class="text-decoration-none
icoSecondary">Delete <i class="fa-solid fa-circle-xmark"></i></a> </td>
            </tr>';
        }
        echo'</tbody>
        </table>
</div>';
    }
    else{
        echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
                <h1>You are not allowed to enter this page!</h1>
            </div>';
    }
    ?>
</main>

```

## Panel.php

```

<?php

if(isset($_SESSION['user'])){
    if($_SESSION['user']->role_name=="admin"){
        $users = [];
        $logsNum = 0;
        $text = file_get_contents("data/userLog.txt");
        $logs = explode("\n", trim($text));
        foreach($logs as $log){

            list($ip, $user, $time) = explode("__", $log);
            $currentDateTime = new DateTime();

            $twentyFourHoursAgo = $currentDateTime->sub(new
DateInterval('P1D'));

            $logDateTime = new DateTime($time);

            if ($logDateTime > $twentyFourHoursAgo) {
                $logsNum++;
                array_push($users, $user);
            }
        }
    }
}

```

```

    }
    $uniqueUsers = array_unique($users);
    $numberOfUsersLogged = count($uniqueUsers);

    $pages = [];
    $numberOfVisits = 0;
    $text = file_get_contents("data/pagelog.txt");
    $logs = explode("\n", trim($text));
    foreach($logs as $log){
        list($ip, $user, $page, $date) = explode("__", $log);

        $currentDateTime = new DateTime();

        $twentyFourHoursAgo = $currentDateTime->sub(new
DateInterval('P1D'));

        $logDateTime = new DateTime($time);

        if ($logDateTime > $twentyFourHoursAgo) {
            array_push($pages, $page);
            $numberOfVisits++;
        }
    }
    $numberOfVisitsPerPage = array_count_values($pages);
}
else{
    echo"<div class='alert alert-danger w-75 d-flex justify-
content-center mx-auto my-5'><h1>You are not allowed to enter this
page</h1></div>";
}
}
else{
    echo"<div class='alert alert-danger w-75 d-flex justify-content-
center mx-auto my-5'><h1>You are not allowed to enter this page</h1></div>";
}
?>
<?php

if($_SESSION['user']->role_name=="admin") {

?>

<main>
    <div class="container d-flex justify-content-center my-3 ico">
        <h1>Admin panel</h1>
    </div>
    <div class = "container d-flex flex-wrap justify-content-center">

```

```

        <div class="col-md-2 col-12 d-flex justify-content-start
align-items-center flex-column ">
            <h3 class="ico">Admin tools</h3>
            <a href="index.php?page=usersEdit" class="insertButton
text-decoration-none p-2 fw-bold mb-3">Edit users</a>
            <a href="index.php?page=newsEdit" class="insertButton
text-decoration-none p-2 fw-bold mb-3">Edit news</a>
            <a href="index.php?page=moviesEdit" class="insertButton
text-decoration-none p-2 fw-bold mb-3">Edit movies</a>
        </div>
        <div class="col-md-4 col-12 d-flex justify-content-start
align-items-center flex-column">
            <h3 class="ico">Logs for today</h3>
            <p>Number of users logged today:
<?=$numberOfUsersLogged?></p>
            <p>Number of all logins today: <?=$logsNum?></p>
        </div>
        <div class="col-md-6 col-12 d-flex justify-content-center
flex-column">
            <h3 class="ico">Page visits for today</h3>
            <?php
                foreach ($numberOfVisitsPerPage as $key => $value) {
                    $percentage = round(($value / $numberOfVisits) *
100, 2);
                    echo "<p><span class='icoSecondary'>{$key}</span>
was visited {$value} times which is <span
class='icoSecondary'>{$percentage}%</span></p>";
                }
            ?>
        </div>
    </div>

</main>

<?php }?>

```

## Register.php

```

<body id="loginBody">
    <main>
        <div class="container col-lg-4 col-md-6 col-sm-10 p-5 rounded"
id="formDiv">
            <h3 class="fw-bold ico">Create account</h3>
            <form action="">
                <form>
                    <div class="form-group">
                        <label for="regInputEmail" class="my-2 ico">Email
address</label>

```

```

        <input type="email" class="form-control inputForForm"
id="regInputEmail" aria-describedby="emailHelp" placeholder="Enter email">
        <div class="invalid-feedback" id="invalidEmail">
            Please enter a valid email.
        </div>
    </div>
    <div class="form-group">
        <label for="regInputUsername" class="my-2
ico">Username</label>
        <input type="text" class="form-control inputForForm"
id="regInputUsername" aria-describedby="emailHelp" placeholder="Enter
username">
        <div class="invalid-feedback" id="invalidUsername">
            Please enter username that is more than 3 characters
long.
        </div>
        <div class="invalid-feedback" id="takenUsername">
            Username is taken.
        </div>
    </div>
    <div class="form-group">
        <label for="regInputPassword" class="my-2
ico">Password</label>
        <input type="password" class="form-control inputForForm"
id="regInputPassword" placeholder="Password">
        <div class="invalid-feedback" id="invalidPassword">
            Please enter a password that has one small, one
capital letter and a number.
        </div>
    </div>
    <div class="form-group">
        <label for="regInputRenter" class="my-2 ico">Re-enter
password</label>
        <input type="password" class="form-control
inputForForm" id="regInputRenter" placeholder="Confirm password">
        <div class="invalid-feedback" id="invalidRenter">
            Passwords do not match eachother.
        </div>
    </div>
    <input type="button" class="btn mt-4 w-100 fw-bold"
id="submitButton" value="Register"/>
    </form>
</form>
<div class="d-flex mt-4">
    <p class="me-2">Already have an account?</p>
    <a href="index.php?page=login"><p id="signUpNow">Log in
here</p></a>
</div>

```

```

        </div>
    </main>
</body>

```

## updateMovie.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){

        $id = $_GET['id'];
        $thisMovie = getAllWithId("movie", "movie_id", $id);
        $thisMovieCategories = getThisMovieCategories($id);
        $thisMovieActors = getThisMovieActors($id);
        foreach($thisMovie as $movie){
            $title = $movie->movie_name;
            $description = $movie->movie_description;
            $date = $movie->date;
            $formattedDate = explode(" ", $movie->date)[0];
            $pictureId= $movie->picture_id;
        }
        $allPictures = getAll("movies_pictures");
        $allActors = getAll("actor");
        $allCategories = getAll("category");
        echo'<div class="container mt-5">
        <h2>Movie update</h2>
        <form class="w-75">
        <div class="form-group mt-5">
        <label for="pictureUrl">Choose picture</label>
        <select class="form-control inputForm" id="pictureUrl">';
        foreach($allPictures as $picture){
            $selected = $picture-
>picture_id==$pictureId?'selected="selected"':'';
            echo'<option value="'. $picture->picture_id.'"
' . $selected.'>' . $picture->url.'</option>';
        }
        echo'</select>
        </div>
        <div class="form-group mt-5">
            <label for="movieTitle">Movie title</label>
            <input type="text" class="form-control inputForm"
id="movieTitle" value="'. $title.'"/>
        </div>
        <div class="invalid-feedback" id="invalidTitle">
            You must enter text including only letters, numbers and spaces,
not logner than 40 characters.
        </div>
        <div class="form-group mt-5 w-75">

```



```

        <label for="movieDate">Date of release</label>
        <input type="date" class="form-control inputForm"
id="movieDate" value="'.{$formattedDate.'}'/>
    </div>
    <div class="invalid-feedback" id="invalidDate">
        You must pick a date.
    </div>
    <div class="form-group mt-5">
        <label for="movieDescription">Movie description</label>
        <textarea class="form-control inputForm" id="movieDescription"
rows="3">'.{$description.'}'</textarea>
    </div>
    <div class="invalid-feedback" id="invalidDescription">
        You must write some description.
    </div>
    <h4 class="mt-3">Choose categories</h4>
    <div class="d-flex">';
    $thisMovieCategoriesArray = $thisMovieCategories-
>fetchAll(PDO::FETCH_ASSOC);

    foreach ($allCategories as $category) {
        $isChecked = in_array($category->category_id,
array_column($thisMovieCategoriesArray, 'category_id'));
        $checkedAttribute = $isChecked ? 'checked' : '';

        echo '<input class="form-check-input inputForm me-1"
type="checkbox" name="movieCategories[]" value="'.{$category->category_id.'}
'. $checkedAttribute.'>
            <label class="form-check-label me-3">
                '. $category->category_name.'
            </label>';
    }

    echo'
    </div>
    <div class="invalid-feedback" id="invalidCategory">
        You must chose atleast one category.
    </div>
    <h4 class="mt-3">Choose actors</h4>
    <div class="d-flex flex-wrap">';
    $thisMovieActorsArray = $thisMovieActors->fetchAll(PDO::FETCH_ASSOC);

    foreach ($allActors as $actor) {
        $isChecked = in_array($actor->actor_id,
array_column($thisMovieActorsArray, 'actor_id'));
        $checkedAttribute = $isChecked ? 'checked' : '';

```

```

        echo '<input class="form-check-input inputForForm me-1"
type="checkbox" name="movieActors[]" value="'. $actor->actor_id.'"
'. $checkedAttribute.'>
        <label class="form-check-label me-3">
            '. $actor->actor_name.' '. $actor->actor_lastname.'
        </label>';
    }
    echo'
</div>
<div class="invalid-feedback" id="invalidActor">
    You must choose atleast one actor.
</div>
<input type ="hidden" value="'. $id.'" id="movieId"/>
<input type="button" class="btn insertButton rounded mt-5 mb-
5" id="movieUpdate" value="Update movie"/>
</form>';
}
else{
    echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
        <h1>You are not allowed to enter this page!</h1>
        </div>';
}
?>
</main>

```

## updateNews.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){
        $id = $_GET['id'];
        $allPictures = getAll("news_pictures");
        $thisNews = getAllWithId("news", "news_id", $id);
        foreach($thisNews as $thisNew){
            $title = $thisNew->news_title;
            $picture_id = $thisNew->picture_id;
        }
        echo '<div class="container"><form class="w-75">
        <div class="form-group mt-5">
        <h2>News update</h2>
        <label for="pictureUrl">Choose picture</label>
        <select class="form-control inputForForm" id="pictureUrl">';
        foreach($allPictures as $picture){
            $selected = ($picture->
picture_id==$picture_id)?'selected="selected"':'';
            echo '<option value="'. $picture->picture_id.'"
'. $selected.'>'. $picture->url.'</option>';
        }
        echo '</select>

```

```

        </div>
        <div class="form-group mt-5">
            <label for="newsTitle">News title</label>
            <textarea class="form-control inputForForm" id="newsTitle"
rows="2">'. $title.'</textarea>
        </div>
        <div class="invalid-feedback" id="invalidTitle">
            You must enter text, starting with capital, ending with dot, not
larger than 30 characters.
        </div>
        <input type="hidden" id="newsId" value="'. $id.'" />
        <input type="button" class="btn insertButton rounded mt-5 mb-
5" id="updateNews" value="Update news" />
    </form>';

}
else{
    echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
        <h1>You are not allowed to enter this page!</h1>
        </div>';
}
?>
</main>

```

## updateUser.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){
        $userId = $_GET['id'];
        $user = getThisUser($userId);

        $allRoles = getAll("roles");
        echo '<div class="container mt-5"><h2>Insert user</h2></div>';
        echo '<div class = "container">';
        echo '<form class="w-75">
            <div class="form-group">
                <label for="regInputEmail" class="my-2 ico">Email
address</label>
                <input type="email" class="form-control inputForForm"
id="regInputEmail" aria-describedby="emailHelp" placeholder="Enter email"
value="'. $user->email.'">
                <div class="invalid-feedback" id="invalidEmail">
                    Please enter a valid email.
                </div>
            </div>
            <div class="form-group">

```

```

        <label for="regInputUsername" class="my-2
ico">Username</label>
        <input type="text" class="form-control inputForForm"
id="regInputUsername" aria-describedby="emailHelp" placeholder="Enter
username" value='.$user->username.'>
        <div class="invalid-feedback" id="invalidUsername">
            Please enter username that is more than 3 characters
long.
        </div>
        <div class="invalid-feedback" id="takenUsername">
            Username is taken.
        </div>
        </div>
        <div class="form-group">
            <label for="regInputPassword" class="my-2
ico">Password</label>
            <input type="password" class="form-control inputForForm"
id="regInputPassword" placeholder="Password" value='.$user->password.'>
            <div class="invalid-feedback" id="invalidPassword">
                Please enter a password that has one small, one
capital letter and a number.
            </div>
        </div>
        <div class="form-group">
            <label for="regInputRenter" class="my-2 ico">Re-enter
password</label>
            <input type="password" class="form-control
inputForForm" id="regInputRenter" placeholder="Confirm password"
value='.$user->password.'>
            <div class="invalid-feedback" id="invalidRenter">
                Passwords do not match eachother.
            </div>
        </div>
        <div class="form-check">
            <input class="form-check-input inputForForm"
type="checkbox" value="" id="newPasswordTrue">
            <label class="form-check-label" for="newPasswordTrue">
                This is new password
            </label>
        </div>
        <input type="hidden" value="'.$userId.'" id="userId"/>
        <div class="form-group mt-5">
            <label for="pictureUrl">Choose role</label>
            <select class="form-control inputForForm"
id="userRole">;
                foreach($allRoles as $role){
                    echo '<option value="'.$role->role_id.'" ' . ($role-
>role_id==$user->role_id?"selected":"").'>'.$role->role_name.'</option>';

```

```

        }
        echo'</select>
        </div>
        <input type="button" class="btn insertButton rounded
mt-5 mb-5" id="userUpdate" value="Update user"/>
        </form>';

    }
    else{
        echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
            <h1>You are not allowed to enter this page!</h1>
            </div>';
    }
    ?>
</main>

```

## usersEdit.php

```

<main>
    <?php
    if($_SESSION['user']->role_name=="admin"){

        echo '<div class="container mt-4 d-flex">
            <a href="index.php?page=insertUser" class="text-decoration-
none p-3 fw-bold text-uppercase insertButton me-3">Insert new user <i
class="fa-solid fa-plus"></i></a>
            </div>';

        echo' <div class="container mt-4">
            <table class="table table-dark">
                <thead>
                    <tr>
                        <th scope="col">ID</th>
                        <th scope="col">Email</th>
                        <th scope="col">Username</th>
                        <th scope="col">Password</th>
                        <th scope="col">Role</th>
                        <th scope="col">Edit</th>
                        <th scope="col">Delete</th>

                    </tr>
                </thead>
                <tbody>';

        $users = getUsersWithRole();

        foreach($users as $user){
            echo'<tr>

```

```

        <td class="fw-bold">'.'.$user->user_id.'</td>
        <td class="fw-bold">'.'.$user->email.'</td>
        <td class="fw-bold">'.'.$user->username.'</td>
        <td class="fw-bold">'.'.substr($user->password, 0,
10).'...</td>

        <td class="fw-bold">'.'.$user->role_name.'</td>
        <td class="fw-bold fs-5"><a
href="index.php?page=updateUser&id='.'.$user->user_id.'" class="text-decoration-
none icoSecondary">Edit <i class="fa-solid fa-pen-to-square"></i></a></td>
        <td class="fw-bold fs-5"><a href =
"models/deleteUser.php?id='.'.$user->user_id.'" class="text-decoration-none
icoSecondary">Delete <i class="fa-solid fa-circle-xmark"></i></a></td>
        </tr>';
    }
    echo'</tbody>
</table>
</div>';
}
else{
    echo '<div class="alert alert-danger text-center my-5 w-50 mx-auto">
        <h1>You are not allowed to enter this page!</h1>
    </div>';
}
?>
</main>

```

## Conn.php

```

<?php
define("SERVER", "localhost");
define("DATABASE", "movielense");
define("USERNAME", "root");
define("PASSWORD", "");
try {
    $conn = new
PDO("mysql:host=".SERVER.";dbname=".DATABASE.";charset=utf8", USERNAME,
PASSWORD);

    $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_OBJ);

    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
}
catch(PDOException $ex){
    echo $ex->getMessage();
}
?>

```

## addMovieToWatchlist.php

```
<?php
    define("SERVER", "localhost");
    define("DATABASE", "movielense");
    define("USERNAME", "root");
    define("PASSWORD", "");
    try {
        $conn = new
PDO("mysql:host=".SERVER.";dbname=".DATABASE.";charset=utf8", USERNAME,
PASSWORD);

        $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_OBJ);

        $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    }
    catch(PDOException $ex){
        echo $ex->getMessage();
    }
?>
```

## deleteMovie.php

```
<?php
include "../config/conn.php";
$movieId = $_GET['id'];

global $conn;
$query = 'DELETE FROM movie_actor WHERE movie_id = :m_id';
$task = $conn->prepare($query);
$task->bindParam(":m_id", $movieId);
$task->execute();

$query = 'DELETE FROM movie_category WHERE movie_id = :m_id';
$task = $conn->prepare($query);
$task->bindParam(":m_id", $movieId);
$task->execute();

$query = 'DELETE FROM movie WHERE movie_id = :m_id';
$task = $conn->prepare($query);
$task->bindParam(":m_id", $movieId);
$task->execute();

$result = $task->fetch();
header('Location: ../index.php?page=moviesEdit');
```

```
?>
```

### deleteMovieFromWatchlist.php

```
<?php
include "../config/conn.php";
$movieId = $_GET['movieId'];
$userId = $_GET['userId'];

global $conn;
$query = 'DELETE FROM watchlist WHERE movie_id = :m_id AND user_id = :u_id';
$task = $conn->prepare($query);
$task->bindParam(":m_id", $movieId);
$task->bindParam(":u_id", $userId);
$task->execute();

$result = $task->fetch();
header('Location: ../index.php');

?>
```

### deleteNews.php

```
<?php
include "../config/conn.php";
$newsId = $_GET['id'];

global $conn;
$query = 'DELETE FROM news WHERE news_id = :n_id';
$task = $conn->prepare($query);
$task->bindParam(":n_id", $newsId);
$task->execute();

$result = $task->fetch();
header('Location: ../index.php?page=newsEdit');

?>
```

### deleteUser.php

```
<?php
include "../config/conn.php";

$id = $_GET['id'];

global $conn;

$query = "DELETE FROM user WHERE user_id = :id";
$task = $conn->prepare($query);
$task->bindParam(":id", $id);
$task->execute();
```



```
header("Location: ../index.php?page=usersEdit");

?>
```

## Functions.php

```
<?php

ini_set('error_reporting', E_ALL & ~E_WARNING);

function getNewestMovies(){
    global $conn;

    $query = "SELECT DISTINCT m.movie_name, m.date, mp.url, m.movie_id FROM
movie m JOIN movie_category mc ON m.movie_id = mc.movie_id JOIN category c ON
mc.category_id = c.category_id JOIN movies_pictures mp ON m.picture_id =
mp.picture_id ORDER BY m.date DESC LIMIT 3 ";

    $movies = $conn->query($query);
    return $movies;
}

function getBestMovies(){
    global $conn;

    $query = "SELECT m.movie_name, mp.url, m.movie_id, AVG(r.grade) AS 'grade'
FROM movie m JOIN review r ON m.movie_id = r.movie_id JOIN movies_pictures mp
ON m.picture_id = mp.picture_id GROUP BY m.movie_name ORDER BY grade DESC
LIMIT 5";

    $movies = $conn->query($query);
    return $movies;
}

function getMovieCategories($id){
    global $conn;

    $query = "SELECT c.category_name FROM movie m JOIN movie_category mc
ON m.movie_id = mc.movie_id JOIN category c ON c.category_id = mc.category_id
WHERE m.movie_id = :id";
    $task = $conn->prepare($query);
    $task->bindParam(":id", $id);
    $task->execute();
    $categories = $task->fetchAll();

    return $categories;
}
```

```

function getMovieActors($id){
    global $conn;

    $query = "SELECT a.actor_name, a.actor_lastname FROM actor a JOIN
movie_actor ma ON a.actor_id = ma.actor_id JOIN movie m ON m.movie_id =
ma.movie_id WHERE m.movie_id = :id";
    $task = $conn->prepare($query);
    $task->bindParam(":id", $id);
    $task->execute();
    $actors = $task->fetchAll();

    return $actors;
}

function getMovieReviews($id){
    global $conn;

    $query = "SELECT u.username, r.date, r.grade, r.text FROM movie m JOIN
review r ON m.movie_id = r.movie_id JOIN user u ON r.user_id = u.user_id WHERE
m.movie_id = :id ORDER BY r.date DESC";
    $task = $conn->prepare($query);
    $task->bindParam(":id", $id);
    $task->execute();
    $reviews = $task->fetchAll();

    return $reviews;
}

function getSimilarMovies($id){
    global $conn;

    $query = "SELECT DISTINCT mp.url, m.movie_id FROM movie m JOIN
movies_pictures mp ON m.picture_id = mp.picture_id JOIN movie_category mc ON
m.movie_id = mc.movie_id WHERE mc.category_id IN (SELECT category_id FROM
movie_category WHERE movie_id = :id) AND m.movie_id != :id ORDER BY RAND()
LIMIT 4";
    $task = $conn->prepare($query);
    $task->bindParam(":id", $id);
    $task->execute();
    $similarMovies = $task->fetchAll();

    return $similarMovies;
}

function getMovie($id){

```

```

    global $conn;

    $query = "SELECT m.movie_name, m.movie_description, mp.url,
AVG(r.grade) AS 'grade' FROM movie m JOIN movies_pictures mp ON m.picture_id =
mp.picture_id JOIN review r ON r.movie_id = m.movie_id WHERE m.movie_id =
:id";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $id);
    $task->execute();
    $movie = $task->fetch();

    return $movie;
}

function getFooterLinks(){
    global $conn;

    $query = "SELECT * FROM navigation_items WHERE item_type IS NULL OR
item_type = 'f'";

    $links = $conn->query($query);
    return $links;
}

function getHeaderLinks(){
    global $conn;

    $query = "SELECT * FROM navigation_items WHERE item_type IS NULL OR
item_type = 'h'";

    $links = $conn->query($query);
    return $links;
}

function getNews(){
    global $conn;

    $query = "SELECT n.news_title, np.url FROM news n JOIN news_pictures np ON
n.picture_id = np.picture_id LIMIT 5";

    $news = $conn->query($query);
    return $news;
}

function getUsernames(){
    global $conn;

```

```

    $query = "SELECT username FROM user";

    $usernames = $conn->query($query);
    return $usernames;
}

function getMaxId($tableName, $idName){
    global $conn;
    $query = "SELECT MAX($idName) AS maxid FROM $tableName";
    $task = $conn->query($query);
    $row = $task->fetch();
    return $row->maxid;
}

function logging($username, $password){
    global $conn;
    $query = "SELECT * FROM user u JOIN roles r ON u.role_id =
r.role_id WHERE u.username = :username AND u.password = :password";

    $task = $conn->prepare($query);
    $task->bindParam(":username", $username);
    $task->bindParam(":password", $password);

    $task->execute();

    $user = $task->fetch();

    return $user;
}

function checkIfUserHasAlreadyReviewdMovie($user, $movie){
    global $conn;
    $query = "SELECT * FROM review WHERE user_id = $user AND movie_id =
$movie";
    $reviewNum = $conn->query($query);
    return $reviewNum;
}

function getUserWatchlist($userId){
    global $conn;
    $query = "SELECT * FROM user u JOIN watchlist w ON u.user_id =
w.user_id JOIN movie m ON w.movie_id = m.movie_id JOIN movies_pictures mp ON
m.picture_id = mp.picture_id WHERE u.user_id = $userId";
    $watchlist = $conn->query($query);
    return $watchlist;
}

function getAllMovies(){
    global $conn;

```

```

        $query = "SELECT * FROM movie m JOIN movies_pictures mp ON
m.picture_id = mp.picture_id";
        $allMovies = $conn->query($query);
        return $allMovies;
    }

function getAllNews(){
    global $conn;
    $query = "SELECT * FROM news n JOIN news_pictures np ON n.picture_id =
np.picture_id";
    $allNews = $conn->query($query);
    return $allNews;
}

function getAll($tableName){
    global $conn;
    $query = "SELECT * FROM $tableName";
    $all = $conn->query($query);
    return $all;
}

function getAllWithId($tableName, $idName, $id){
    global $conn;
    $query = "SELECT * FROM $tableName WHERE $idName = $id";
    $all = $conn->query($query);
    return $all;
}

function getThisMovieActors($id){
    global $conn;
    $query = "SELECT * FROM movie_actor WHERE movie_id = $id";
    $all = $conn->query($query);
    return $all;
}

function getThisMovieCategories($id){
    global $conn;
    $query = "SELECT * FROM movie_category WHERE movie_id = $id";
    $all = $conn->query($query);
    return $all;
}

function getFilteredMovies($text){

    global $conn;
    $query = "SELECT m.movie_name, p.url, m.movie_id FROM movie m JOIN
movies_pictures p ON m.picture_id = p.picture_id WHERE LOWER(m.movie_name)
LIKE '$text%'";
    $all = $conn->query($query);
    return $all;
}

define ("MOVIE_OFFSET", 10);

```

```

function getAllDataOfMovies($limit = 0, $categories = [], $sortOrder = 1){
    global $conn;
    if($categories[0] == ""){
        $categories = [];
        $allCategories = getAll("category");
        foreach($allCategories as $category){
            array_push($categories, $category->category_id);
        }
    }
    $sortText;
    switch($sortOrder){
        case 1:
            $sortText = "m.movie_name ASC";
            break;
        case 2:
            $sortText = "m.date DESC";
            break;
        case 3:
            $sortText = "m.date ASC";
            break;
        case 4:
            $sortText = "grade DESC";
            break;
        case 5:
            $sortText = "grade ASC";
            break;
        default:
            $sortText = "m.movie_name ASC";
            break;
    }
    $categoryString = implode(",", $categories);
    $query = "SELECT m.movie_name, mp.url, m.movie_id, AVG(r.grade) AS 'grade'
FROM movie m JOIN review r ON m.movie_id = r.movie_id JOIN movies_pictures mp
ON m.picture_id = mp.picture_id JOIN movie_category mc ON m.movie_id =
mc.movie_id WHERE mc.category_id IN ($categoryString) GROUP BY m.movie_name
ORDER BY $sortText LIMIT :limit, :offset";
    $task = $conn->prepare($query);
    $limit = ((int) $limit) * MOVIE_OFFSET;
    $task->bindValue(":limit", $limit, PDO::PARAM_INT);
    $offset = MOVIE_OFFSET;
    $task->bindValue(":offset", $offset, PDO::PARAM_INT);
    $task->execute();
    $movies = $task->fetchAll();
    return $movies;
}

function getNumberOfFilteredMovies($categories=[]){
    global $conn;
    if($categories[0] == ""){

```

```

        $categories = [];
        $allCategories = getAll("category");
        foreach($allCategories as $category){
            array_push($categories, $category->category_id);
        }
    }
    $categoryString = implode(",", $categories);
    $query = "SELECT COUNT(DISTINCT m.movie_name) AS 'num' FROM movie m JOIN
movie_category mc ON m.movie_id = mc.movie_id WHERE mc.category_id IN
($categoryString)";
    $task = $conn->prepare($query);
    $task->execute();
    $number = $task->fetch();
    return $number;
}

function getMostWatchedMovies(){
    global $conn;

    $query = "SELECT m.movie_name, mp.url, m.movie_id, AVG(r.grade) AS 'grade'
FROM movie m JOIN review r ON m.movie_id = r.movie_id JOIN movies_pictures mp
ON m.picture_id = mp.picture_id GROUP BY m.movie_name ORDER BY
COUNT(r.movie_id) DESC LIMIT 5";

    $movies = $conn->query($query);
    return $movies;
}

function getMoviesNumber(){
    global $conn;

    $query = "SELECT COUNT(*) AS 'number' FROM movie";

    $number = $conn->query($query)->fetch();
    return $number;
}

function getNumberOfPages(){
    $numberOfMovies = getMoviesNumber();
    $numberOfPages = ceil($numberOfMovies->number/MOVIE_OFFSET);
    return $numberOfPages;
}

function getAdminData(){
    global $conn;

    $query = "SELECT * FROM user u JOIN roles r ON u.role_id = r.role_id WHERE
r.role_name = 'admin'";

    $adminData = $conn->query($query)->fetch();
    return $adminData;
}

```

```

function getUsersWithRole(){
    global $conn;

    $query = "SELECT * FROM user u JOIN roles r ON u.role_id = r.role_id";

    $usersData = $conn->query($query)->fetchAll();
    return $usersData;
}

function getThisUser($id){
    global $conn;

    $query = "SELECT * FROM user u WHERE user_id = :id";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $id);
    $task->execute();
    $user = $task->fetch();
    return $user;
}

function createSmallerPictureName($name){
    list($picName, $ext) = explode(".", $name);
    $picName.="cropped";
    $newPictureName = $picName.'.'.$ext;
    return $newPictureName;
}
?>

```

#### Get\_filtered\_movies.php

```

<?php

include "../config/conn.php";
include "functions.php";
$filterText = $_POST['textFilter'];
$movies = getFilteredMovies($filterText);
$data = array();
foreach($movies as $movie){
    array_push($data, $movie);
}
header('Content-Type: application/json');
echo json_encode($data);

?>

```

#### Get\_movie\_categories.php

```

<?php

```



```

include "../config/conn.php";
include "functions.php";
$id = $_POST['id'];
$categories = getMovieCategories($id);
$categoriesData = array();
foreach($categories as $category){
    array_push($categoriesData, $category);
}
header('Content-Type: application/json');
echo json_encode($categoriesData);

?>

```

#### Get\_news\_data.php

```

<?php

include "../config/conn.php";
include "functions.php";

$news = getNews();
$data = array();
foreach($news as $new){
    array_push($data, $new);
}
header('Content-Type: application/json');
echo json_encode($data);

?>

```

#### Get\_number\_of\_movies.php

```

<?php

include "../config/conn.php";
include "functions.php";
$categories = $_POST['categories'];
$numberOfMovies = getNumberOfFilteredMovies($categories);
header('Content-Type: application/json');
echo json_encode($numberOfMovies);

?>

```

#### Get\_users\_data.php

```

<?php

include "../config/conn.php";

```

```

include "functions.php";

$ usernames = getUsernames();
$data = array();
foreach($usernames as $username){
    array_push($data, $username);
}
header('Content-Type: application/json');
echo json_encode($data);

?>

```

### InsertMoviePictureProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$targetDir = "../assets/img/movies/";
$targetFile = $targetDir . basename($_FILES["image"]["name"]);
$imageFileType = strtolower(pathinfo($targetFile, PATHINFO_EXTENSION));

$errors = 0;

$check = getimagesize($_FILES["image"]["tmp_name"]);
if ($check !== false) {
    if (move_uploaded_file($_FILES["image"]["tmp_name"], $targetFile)) {
        echo "Image uploaded!";

        $originalImage = imagecreatefromjpeg($targetFile);

        $originalWidth = imagesx($originalImage);
        $originalHeight = imagesy($originalImage);

        $newHeight = (int) ($originalHeight * 648 / $originalWidth);

        $resizedImage = imagecreatetruecolor(648, $newHeight);

        imagecopyresampled($resizedImage, $originalImage, 0, 0, 0, 0, 648,
        $newHeight, $originalWidth, $originalHeight);

        $cropWidth = 648;
        $cropHeight = 957;

        $cropX = 0;
        $cropY = ($newHeight - $cropHeight) / 2;
    }
}

```

```

        $croppedImage = imagecrop($resizedImage, ['x' => $cropX, 'y' => $cropY,
'width' => $cropWidth, 'height' => $cropHeight]);

        $originalFileName = basename($_FILES["image"]["name"]);
        $extension = pathinfo($originalFileName, PATHINFO_EXTENSION);
        $croppedFileName = pathinfo($originalFileName, PATHINFO_FILENAME) .
"cropped." . $extension;
        $croppedFilePath = $targetDir . $croppedFileName;
        imagejpeg($croppedImage, $croppedFilePath, 90);

        imagedestroy($originalImage);
        imagedestroy($resizedImage);
        imagedestroy($croppedImage);
    } else {
        $errors++;
        echo "Error uploading image.";
    }
} else {
    $errors++;
    echo "Please upload a valid image file.";
}

if($errors==0){
    $imageName = basename($_FILES["image"]["name"]);
    global $conn;
    $maxID = getMaxId("movies_pictures", "picture_id");
    $newMaxId = $maxID+1;

    $query = "INSERT INTO movies_pictures(picture_id, url) VALUES(:id, :url)";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $newMaxId);
    $task->bindParam(":url", $imageName);

    $result = $task->execute();

    if($result){
        header("Location: ../index.php?page=insertMovie");
        die();
    }
}

?>

```

insertMovieProcess.php

```

<?php
include "../config/conn.php";

```

```

include "functions.php";

$picture_id = $_POST["picture_Id"];
$movie_title = $_POST["movie_title"];
$movie_date = $_POST["movie_date"];
$movie_description = $_POST["movie_description"];
$movie_categories = $_POST["movie_categories"];
$movie_actors = $_POST["movie_actors"];

$errors = 0;
$movieTitleReg = "/^[A-Z][A-Za-z0-9 .]{0,38}[A-Za-z0-9]$/";

if(!preg_match($movieTitleReg, $movie_title)){
    $errors++;
}
if($movie_date==""){
    $errors++;
}
if($movie_description==""){
    $errors++;
}
if(count($movie_categories)==0){
    $errors++;
}
if(count($movie_actors)==0){
    $errors++;
}

if($errors==0){
    global $conn;
    $maxID = getMaxId("movie", "movie_id");
    $newMaxId = $maxID+1;

    $query = "INSERT INTO movie(movie_id, movie_name, movie_description, date,
picture_id) VALUES(:m_id, :name, :description, :date, :p_id)";

    $task = $conn->prepare($query);
    $task->bindParam(":m_id", $newMaxId);
    $task->bindParam(":name", $movie_title);
    $task->bindParam(":description", $movie_description);
    $task->bindParam(":date", $movie_date);
    $task->bindParam(":p_id", $picture_id);

    $result = $task->execute();

    for($i = 0;$i<count($movie_categories);$i++){
        $queryForCategory = "INSERT INTO movie_category(movie_id, category_id)
VALUES(:m_id, :c_id)";
    }
}

```

```

        $taskForCategory = $conn->prepare($queryForCategory);
        $taskForCategory->bindParam(":m_id", $newMaxId);
        $taskForCategory->bindParam(":c_id", $movie_categories[$i]);
        $categoryResult = $taskForCategory->execute();
    }
    for($k = 0; $k<count($movie_actors);$k++){
        $queryForActor = "INSERT INTO movie_actor(movie_id, actor_id)
VALUES(:m_id, :a_id)";
        $taskForActor = $conn->prepare($queryForActor);
        $taskForActor->bindParam(":m_id", $newMaxId);
        $taskForActor->bindParam(":a_id", $movie_actors[$k]);
        $actorResult = $taskForActor->execute();
    }
    if($result){
        header("Location: ../index.php?page=moviesEdit");
        die();
    }
}

?>

```

#### insertNewActorProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$firstName = $_POST["firstName"];
$lastName = $_POST["lastName"];

$errors = 0;
$nameAndLastNameReg = "/^([A-ZČĆŠŽĐ][a-zčćšžď]+)\s*([A-ZČĆŠŽĐ][a-zčćšžď]+(\s)*)*$/";

if(!preg_match($nameAndLastNameReg, $firstName)){
    $errors++;
}
if(!preg_match($nameAndLastNameReg, $lastName)){
    $errors++;
}
if($errors==0){
    global $conn;
    $maxID = getMaxId("actor", "actor_id");
    $newMaxId = $maxID+1;
}

```

```

        $query = "INSERT INTO actor(actor_id, actor_name, actor_lastname)
VALUES(:id, :name, :lastname)";

        $task = $conn->prepare($query);
        $task->bindParam(":id", $newMaxId);
        $task->bindParam(":name", $firstName);
        $task->bindParam(":lastname", $lastName);

        $result = $task->execute();

        if($result){
            header("Location: ../index.php?page=insertMovie");
            die();
        }
    }
}

?>

```

#### insertNewCategoryProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$categoryName = $_POST["name"];

$errors = 0;
$categoryReg = "/^(?=[A-Z]).{1,40}$/";

if(!preg_match($categoryReg, $categoryName)){
    $errors++;
}

if($errors==0){
    global $conn;
    $maxID = getMaxId("category", "category_id");
    $newMaxId = $maxID+1;

    $query = "INSERT INTO category(category_id, category_name) VALUES(:id,
:name)";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $newMaxId);
    $task->bindParam(":name", $categoryName);

    $result = $task->execute();
}

```

```

        if($result){
            header("Location: ../index.php?page=insertMovie");
            die();
        }
    }
}

?>

```

#### insertNewsPictureProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$targetDir = "../assets/img/news/";
$targetFile = $targetDir . basename($_FILES["image"]["name"]);
$imageFileType = strtolower(pathinfo($targetFile, PATHINFO_EXTENSION));

$errors = 0;

$check = getimagesize($_FILES["image"]["tmp_name"]);
if ($check !== false) {
    if (move_uploaded_file($_FILES["image"]["tmp_name"], $targetFile)) {
        echo "Image uploaded!";
    } else {
        $errors++;
        echo "Error uploading image.";
    }
} else {
    $errors++;
    echo "Please upload a valid image file.";
}

if($errors==0){
    $imageName = basename($_FILES["image"]["name"]);
    global $conn;
    $maxID = getMaxId("news_pictures", "picture_id");
    $newMaxId = $maxID+1;

    $query = "INSERT INTO news_pictures(picture_id, url) VALUES(:id, :url)";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $newMaxId);
    $task->bindParam(":url", $imageName);

    $result = $task->execute();
}

```

```

        if($result){
            header("Location: ../index.php?page=insertNews");
            die();
        }
    }
}

?>

```

## insertNewsProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$news_title = $_POST["news_title"];
$picture_id = $_POST["picture_id"];

$errors = 0;
$titleReg = "/^[A-Z][A-Za-z0-9 ]{0,50}[A-Za-z0-9]\.$/";

if(!preg_match($titleReg, $news_title)){
    $errors++;
}

if($errors==0){
    global $conn;
    $maxID = getMaxId("news", "news_id");
    $newMaxId = $maxID+1;

    $query = "INSERT INTO news(news_id, news_title, picture_id) VALUES(:id,
:~title, :pictureId)";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $newMaxId);
    $task->bindParam(":title", $news_title);
    $task->bindParam(":pictureId", $picture_id);

    $result = $task->execute();

    if($result){
        header("Location: ../index.php?page=newsEdit");
        die();
    }
}

?>

```



## loginProcess.php

```
<?php
    session_start();
    if(isset($_POST['submitButton'])){
        $username = $_POST['loginUsername'];
        $password = $_POST['loginPassword'];

        // provera

        include "../config/conn.php";
        include "functions.php";

        $loggedUser = logging($username, md5($password));

        // var_dump($ulogovanKorisnik);
        if($loggedUser){
            $_SESSION['user'] = $loggedUser;
            include "userLog.php";

            if($loggedUser->role_name == "user"){
                header("Location: ../index.php");
                die();
            }
            else{
                header("Location: ../index.php");
                die();
            }
        }
        else{
            $_SESSION['loggingError'] = "Greška prilikom logovanja.";
            header("Location: ../login.php");
            die();
        }
    }
    else{
        header("Location: ../login.php");
    }
?>
```

## Logout.php

```
<?php
    session_start();

    if(isset($_SESSION['user'])){
        unset($_SESSION['user']);
    }
```

```
        header("Location: ../index.php");
        die();
    }
}
```

?>

#### pageLog.php

```
<?php
$ip = $_SERVER['REMOTE_ADDR'];
$page = $_SERVER['REQUEST_URI'];
$user = isset($_SESSION['user']) ? $_SESSION['user']->username : "Not logged in";
$line = $ip.'__' . $user.'__' . $page.'__' . date('Y-m-d H:i:s')."\\n";
file_put_contents("data/pagelog.txt", $line, FILE_APPEND);
?>
```

#### Pagination.php

```
<?php

include "../config/conn.php";
include "functions.php";
session_start();
$user = "";
if(isset($_SESSION['user'])){
    $user = $_SESSION['user']->user_id;
}
$limit = $_POST['limit'];
$categories = $_POST['categories'];
$sortOrder = $_POST['sortOrder'];
$categoriesArray = array($categories);
$movies = getAllDataOfMovies($limit, $categoriesArray, $sortOrder);
$numberOfMovies = getNumberOfFilteredMovies($categoriesArray);
$movieData = array();
foreach($movies as $movie){
    array_push($movieData, $movie);
}
header('Content-Type: application/json');
echo json_encode([
    "movies" => $movieData,
    "user"=>$user,
    "number"=>$numberOfMovies
]);
?>
```

## registrationProcess.php

```
<?php
include "../config/conn.php";
include "functions.php";

$username = $_POST["username"];
$email = $_POST["email"];
$password = $_POST["password"];

$roleId = $_POST['roleId'];
if(!$roleId){
    $roleId = 2;
}

$errors = 0;
$usernameRegex = "/^[a-zA-Z]{3}[a-zA-Z0-9_]{0,17}$/";
$passReg = "/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,}$/";
$emailReg = "/^[\\w\\.]+@[a-zA-Z_]+?(\\.[a-zA-Z]{2,3})+$/";

if(!preg_match($usernameRegex, $username)){
    $errors++;
}
if(!preg_match($passReg, $password)){
    $errors++;
}
if(!preg_match($emailReg, $email)){
    $errors++;
}

if($errors==0){
    global $conn;
    $maxID = getMaxId("user", "user_id");
    $newMaxId = $maxID+1;
    $hiddenPassword = md5($password);

    $query = "INSERT INTO user(user_id, email, username, password, role_id)
VALUES(:id, :email, :username, :password, :role)";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $newMaxId);
    $task->bindParam(":email", $email);
    $task->bindParam(":username", $username);
    $task->bindParam(":password", $hiddenPassword);
    $task->bindParam(":role", $roleId);

    $result = $task->execute();
}
```

```

        if($result){
            $page = $_SERVER['HTTP_REFERER'];
            if(strpos($page, "register")){
                header("Location: ../index.php?page=login");
            }
            else if(strpos($page, "insertUser")){
                header("Location: ../index.php?page=usersEdit");
            }
            die();
        }
    }
}

?>

```

### reviewProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$movie_id = $_POST["movie_id"];
$user_id = $_POST["user_id"];
$grade = $_POST["gradeOfMovie"];
$text = $_POST["textOfReview"];

$errors = 0;

if($text==""){
    $errors++;
}

if($errors==0){
    global $conn;
    $maxID = getMaxId("review", "review_id");
    $newMaxId = $maxID+1;
    $currentDate = date("Y-m-d h:i:s");

    $query = "INSERT INTO review(review_id, text, grade, date, user_id,
movie_id) VALUES(:id, :text, :grade, :date, :user, :movie)";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $newMaxId);
    $task->bindParam(":text", $text);
    $task->bindParam(":grade", $grade);
    $task->bindParam(":date", $currentDate);
    $task->bindParam(":user", $user_id);
    $task->bindParam(":movie", $movie_id);
}

```

```

$result = $task->execute();

if($result){
    $reviews = getMovieReviews($movie_id);
    header('Content-Type: application/json');
    echo json_encode($reviews);
}
}

?>

```

### sendMailToAdmin.php

```

<?php
include "../config/conn.php";
include "functions.php";

$userMail = $_POST["userMail"];
$subjectName = $_POST["subjectName"];
$mailText = $_POST["mailText"];

$errors = 0;
$subjectRegex = "/^[A-Za-z0-9\s\.,\?!@#%&*()\-\+=]{1,100}$/";
$emailReg = "/^[\\w\\.]+@[a-zA-Z_]+?(\\.[a-zA-Z]{2,3})+$/";

if(!preg_match($emailReg, $userMail)){
    $errors++;
}
if(!preg_match($subjectRegex, $subjectName)){
    $errors++;
}
if($mailText==""){
    $errors++;
}
if($errors==0){
    $adminMail = getAdminData()->email;
    $to = $adminMail;
    $subject = $subjectName;
    $message = $mailText;

    $headers = "From: ".$userMail."\r\n";
    $headers .= "Reply-To: ".$userMail."\r\n";
    $headers .= "MIME-Version: 1.0\r\n";
    $headers .= "Content-Type: text/plain; charset=utf-8\r\n";

    $mailSent = mail($to, $subject, $message, $headers);
}

```

```

    if ($mailSent) {
        echo "Email sent successfully.";
    } else {
        echo "Failed to send email.";
    }
}

?>

```

## updateMovieProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$movie_id = $_POST["movie_id"];
$picture_id = $_POST["picture_Id"];
$movie_title = $_POST["movie_title"];
$movie_date = $_POST["movie_date"];
$movie_description = $_POST["movie_description"];
$movie_categories = $_POST["movie_categories"];
$movie_actors = $_POST["movie_actors"];

$errors = 0;
$movieTitleReg = "/^[A-Z][A-Za-z0-9 .]{0,38}[A-Za-z0-9]$/";

if(!preg_match($movieTitleReg, $movie_title)){
    $errors++;
}
if($movie_date==""){
    $errors++;
}
if($movie_description==""){
    $errors++;
}
if(count($movie_categories)==0){
    $errors++;
}
if(count($movie_actors)==0){
    $errors++;
}

if($errors==0){
    global $conn;

    $query = "DELETE FROM movie_category WHERE movie_id = :id";
    $task = $conn->prepare($query);
    $task->bindParam(":id", $movie_id);
    $result = $task->execute();
}

```

```

$query = "DELETE FROM movie_actor WHERE movie_id = :id";
$task = $conn->prepare($query);
$task->bindParam(":id", $movie_id);
$result = $task->execute();

$query = "UPDATE movie SET movie_name = :name, movie_description =
:description, date = :date, picture_id = :p_id WHERE movie_id = :m_id";

$task = $conn->prepare($query);
$task->bindParam(":m_id", $movie_id);
$task->bindParam(":name", $movie_title);
$task->bindParam(":description", $movie_description);
$task->bindParam(":date", $movie_date);
$task->bindParam(":p_id", $picture_id);

$result = $task->execute();

for($i = 0; $i < count($movie_categories); $i++){
    $queryForCategory = "INSERT INTO movie_category(movie_id, category_id)
VALUES(:m_id, :c_id)";
    $taskForCategory = $conn->prepare($queryForCategory);
    $taskForCategory->bindParam(":m_id", $movie_id);
    $taskForCategory->bindParam(":c_id", $movie_categories[$i]);
    $categoryResult = $taskForCategory->execute();
}
for($k = 0; $k < count($movie_actors); $k++){
    $queryForActor = "INSERT INTO movie_actor(movie_id, actor_id)
VALUES(:m_id, :a_id)";
    $taskForActor = $conn->prepare($queryForActor);
    $taskForActor->bindParam(":m_id", $movie_id);
    $taskForActor->bindParam(":a_id", $movie_actors[$k]);
    $actorResult = $taskForActor->execute();
}
if($result){
    header("Location: ../index.php?page=moviesEdit");
    die();
}
}

?>

```

updateNewsProcess.php

```
<?php
```

```

include "../config/conn.php";
include "functions.php";

$news_id = $_POST["id"];
$news_title = $_POST["news_title"];
$picture_id = $_POST["picture_id"];

$errors = 0;
$titleReg = "/^[A-Z][A-Za-z0-9: ]{0,50}[A-Za-z0-9]\.$/";

if(!preg_match($titleReg, $news_title)){
    $errors++;
}

if($errors==0){
    global $conn;

    $query = "UPDATE news SET news_title = :title, picture_id = :pic_id WHERE
news_id = :id";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $news_id);
    $task->bindParam(":title", $news_title);
    $task->bindParam(":pic_id", $picture_id);

    $result = $task->execute();

    if($result){
        header("Location: ../index.php?page=newsEdit");
        die();
    }
}

?>

```

## updateUserProcess.php

```

<?php
include "../config/conn.php";
include "functions.php";

$username = $_POST["username"];
$email = $_POST["email"];
$password = $_POST["password"];
$roleId = $_POST['roleId'];
$userId = $_POST['userId'];
$newPassword = $_POST['newPassword'];

```



```

$passwordToEnter = $password;
if($newPassword=="true"){
    $passwordToEnter = md5($password);
}

$errors = 0;
$usernameRegex = "/^[a-zA-Z]{3}[a-zA-Z0-9_]{0,17}$/";
$passReg = "/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,}$/";
$emailReg = "/^[w\.\.]+\@[a-zA-Z_]+\?(\.[a-zA-Z]{2,3})+$/";

if(!preg_match($usernameRegex, $username)){
    $errors++;
}
if(!preg_match($emailReg, $email)){
    $errors++;
}

if($errors==0){
    global $conn;

    $query = "UPDATE user SET email = :email, username = :username, password = :password, role_id = :role WHERE user_id = :id";

    $task = $conn->prepare($query);
    $task->bindParam(":id", $userId);
    $task->bindParam(":email", $email);
    $task->bindParam(":username", $username);
    $task->bindParam(":password", $passwordToEnter);
    $task->bindParam(":role", $roleId);

    $result = $task->execute();

    if($result){
        header("Location: ../index.php?page=usersEdit");
        die();
    }
}

?>

```

userLog.php

```

<?php
$ip = $_SERVER['REMOTE_ADDR'];
$user = $_SESSION['user']->username;
$line = $ip.'__'.$user.'__'.date('Y-m-d H:i:s')."\\n";

```

```
file_put_contents("../data/userLog.txt", $line, FILE_APPEND);  
?>
```

## Style.css

```
@import  
url("https://fonts.googleapis.com/css2?family=Quicksand:wght@300&display=swap"  
);  
:root {  
  --mainColor: #171518ef;  
  --fontColor: #c7ccce;  
  --hoverColor: ;  
  --ljubicasta: rgb(135, 57, 249);  
  --roze: #c651cd;  
  --siva: #363636;  
  --tamnija: #1b1b1b;  
  --navColor: #000000eb;  
  --bgColor: #100f10;  
}  
#logoDiv {  
  width: 75px;  
}  
body {  
  overflow-x: hidden;  
  font-family: "Quicksand", sans-serif;  
  color: var(--fontColor);  
  /* text-shadow: 0 0 5px red; */  
  background: var(--bgColor);  
}  
#navbar {  
  background-color: var(--navColor);  
  position: sticky;  
  top: 0;  
  width: 100vw;  
  backdrop-filter: blur(5px);  
}  
i {  
  color: #8739f9 !important;  
}  
#navbar div span {  
  color: var(--fontColor);  
}  
#navbar ul li a {  
  border-radius: 20px;  
  color: var(--fontColor);  
}  
#navbar ul li a:hover {  
  background-color: var(--tamnija);  
}
```

```
#vertical {
  margin-top: 12px;
}
#search {
  width: 300px;
  border: none;
}
#search:focus {
  border: none;
  outline: none;
  box-shadow: none;
}
.carousel-item img {
  width: 100%;
}

@media only screen and (max-width: 768px) {
  .col-md-8 {
    width: 100%;
  }
}

.input-group-text {
  background-color: var(--tamnija);
  border: none;
}
.search-icon {
  font-size: 1.2rem;
  color: var(--fontColor);
}
#footer {
  background-color: var(--mainColor);
}
#copyrightDiv {
  border-top: 2px solid var(--roze);
}
#socialMedia a {
  border-radius: 10px;
  color: var(--fontColor);
}
#socialMedia a:hover {
  background-color: var(--tamnija);
  transition: 0.2s;
}
#links a {
  border-radius: 10px;
  color: var(--fontColor);
  text-decoration: none;
}
```

```

}
#links a:hover {
  color: var(--ljubicasta);
  transition: 0.2s;
}
#arrow {
  margin-right: 10px;
}
#slideLeft,
#slideRight {
  border-radius: 20px;
  padding: 0px 8px;
  background-color: rgba(0, 0, 0, 0.5);
}
#slideLeft {
  margin-right: -45px;
}
#slideRight {
  margin-left: -45px;
}
.seeMoreLink {
  border: 1px solid var(--tamnija);
  background-color: var(--mainColor);
  color: var(--roze);
  text-decoration: none;
}
.seeMoreLink:hover {
  border: 1px solid var(--roze);
}
.watchlistLink {
  border: 1px solid var(--tamnija);
  background-color: var(--mainColor);
  color: var(--fontColor);
  text-decoration: none;
}
}
@media (max-width: 650px) {
  #search{
    width: 200px;
  }
}
@media(max-width: 992px){
  #vertical{
    display: none;
  }
}
.watchlistLink:hover {
  border: 1px solid var(--roze);
}
}

```

```
.info:hover {
  color: var(--ljubicasta);
  transition: 0.1s;
}

.movieInfoNew {
  background-image: linear-gradient(to right, #000, #100f10);
}

.movieInfo {
  background-color: var(--navColor);
}

#mainMovie {
  z-index: -1;
  position: relative;
}

.ico {
  color: var(--ljubicasta);
}

.icoSecondary {
  color: var(--roze);
}

#mainMovie::before {
  content: "";
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  background-image: linear-gradient(to top, rgba(0, 0, 0, 1), rgba(0, 0, 0,
0));
  z-index: 1;
}

#sliderText {
  margin-top: -70px;
}

.sectionHeader {
  display: inline-block;
  border-bottom: 2px solid var(--ljubicasta);
}

#logIn {
  color: var(--bgColor);
  border: 1px solid var(--ljubicasta);
  background-color: var(--ljubicasta);
}

#logIn:hover {
  border: 1px solid var(--ljubicasta);
```

```

    color: var(--ljubicasta);
    transition: 0.2s;
    background-color: var(--bgColor);
}
.commingMovies {
    background-color: var(--bgColor);
}
.movieTerm {
    background-color: var(--ljubicasta);
    color: var(--bgColor);
    padding: 5px;
    border-radius: 5px;
}
.similarMovie {
    border: 2px solid var(--ljubicasta);
}
.similarMovie:hover {
    border: 3px solid var(--roze);
}
.comment {
    border-bottom: 2px solid;
    border-image: linear-gradient(to right, #8739f9, #c651cd) 1;
    background-color: var(--mainColor);
    padding: 10px;
}
#allComents {
    height: 300px;
    overflow: auto;
}

/* The following CSS will style the scrollbar for Firefox */
#allComents {
    scrollbar-width: thin;
    scrollbar-color: var(--navColor) var(--tamnija);
}

#allComents::-webkit-scrollbar {
    width: 10px;
    background-color: var(--tamnija);
}

#allComents::-webkit-scrollbar-thumb {
    background-color: var(--navColor);
}
#commentLogin, #commentLoginButton,
#signUpNow {
    color: var(--roze);
    display: inline-block;

```

```

    position: relative;
}

#commentLogin::before, #commentLoginButton::before,
#signUpNow::before {
    content: "";
    position: absolute;
    bottom: 0;
    left: 0;
    width: 0;
    height: 2px;
    background-image: linear-gradient(to right, var(--ljubicasta), var(--roze));
    transition: width 0.5s ease-in-out;
}

#commentLogin: hover::before, #commentLoginButton: hover::before,
#signUpNow: hover::before {
    width: 100%;
}

#formDiv {
    background-color: var(--navColor);
}

.inputForForm {
    background-color: var(--tamnija);
    border: none;
    color: var(--fontColor);
}

.inputForForm: focus {
    background-color: var(--tamnija);
    color: var(--fontColor);
    box-shadow: 0 0 0 0.2rem rgba(135, 57, 249, 0.25);
    border-color: var(--ljubicasta);
    outline: 0;
}

.inputForForm::placeholder{
    color: var(--fontColor);
}

#submitButton {
    background-image: linear-gradient(to right, var(--ljubicasta), var(--roze));
    color: var(--tamnija);
}

#formDiv {
    margin-top: 100px;
    margin-bottom: 100px;
}

#loginBody {
    position: relative;

```

```
width: 100%;
height: 100%;
background-image: url(../img/too.jpg);
background-size: cover;
background-position: center;
}

#loginBody::before {
  content: "";
  position: absolute;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
  background-color: rgba(0, 0, 0, 0.65);
  z-index: -1;
  filter: brightness(0.7);
}

#cnt {
  position: relative;
  z-index: 1;
}

.slider-transition {
  transition: all 0.5s ease;
}

td {
  max-width: 150px; /* or adjust as needed */
  vertical-align: middle;
}

.insertButton{
  background-color: var(--ljubicasta);
  color: #000;
  border-radius: 15px;
}

.insertButton:hover{
  background-color: var(--roze);
  color: #000;
}

#searchedMovieInfo {
  position: fixed;
  left: 0;
  right: 0;
  z-index: 9999;
  background: var(--navColor);
}

.paginationLink{
  background-color: var(--tamnija);
```



```

padding: 5px 10px;
color: var(--ljubicasta);
border: 1px solid var(--ljubicasta);
}
.paginationLink:hover{
background-color: var(--ljubicasta);
color: #000;
transition: 0.4s;
}
.active p{
background-color: var(--ljubicasta);
color: #000;
}
@media(min-width: 768px){
.movieDiv{
box-shadow: 0 0 15px rgba(34, 3, 81, 0.9);
transition: box-shadow 0.3s ease-in-out;
}
.movieDiv:hover {
box-shadow: 0 0 25px rgba(34, 3, 81, 0.95);
}
}

```

## Main.js

```

function checkWindowWidth() {
var windowHeight = window.innerWidth || document.documentElement.clientWidth
|| document.body.clientWidth;

if (windowWidth < 768) {

try{
var links = document.getElementsByClassName("watchlistLink");
for(var i = 0;i<links.length;i++){
links[i].innerHTML = `<i class="fa-solid fa-bookmark fs-5 mx-1
icoSecondary"></i> Add it`
}}
catch{

}

}
else{
try{
var links = document.getElementsByClassName("watchlistLink");
for(var i = 0;i<links.length;i++){
links[i].innerHTML = `<i class="fa-solid fa-bookmark fs-5 mx-1
icoSecondary"></i> Add to watchlist`
}}
}
}

```

```

        catch{

        }

    }
}

window.addEventListener('resize', checkWindowWidth);

checkWindowWidth();

function checker(regex, id, messageId) {
    if (!regex.test(document.getElementById(id).value)) {
        document.getElementById(messageId).classList.add("d-block");
        return false;
    } else {
        document.getElementById(messageId).classList.remove("d-block");
        return true;
    }
}

function showSearchedMovies(){
    var navHeight = document.getElementById("navbar").offsetHeight;
    document.getElementById("searchedMovieInfo").style.top = navHeight;
    var movieText = $("#search").val();
    textToFilterBy = movieText.trim().toLowerCase();
    if(textToFilterBy == ""){
        $("#searchedMovieInfo").addClass("d-none")
    }
    else{
        var textData = {
            textFilter:textToFilterBy,
        }
        $.ajax({
            url: "models/get_filtered_movies_data.php",
            method: "POST",
            data: textData,
            success: function(movies) {
                console.log("Data to filter by sent successfully");
                var cnt = "";
                if(!movies){
                    cnt = `<p>There are no movies matching your parameters...`;
                }
                else{
                    movies.forEach(movie => {
                        var url = movie.url
                        var name = url.split(".")[0];
                        var ext = url.split(".")[1];
                        cnt +=`<div class="d-flex justify-content-between">
                            <div class="col-2">

```



```

        sliderIndex = 0;
    }
    } else if (sliderDirection === "left") {
        sliderIndex--;
        if (sliderIndex < 0) {
            sliderIndex = news.length - 1;
        }
    }
}
var slideLeft = document.getElementById("slideLeft");
slideLeft.addEventListener("click", function () {
    clearInterval(intervalId);
    sliderDirection = "left";
    changeSlider();
    intervalId = setInterval(changeSlider, 5000);
});

var slideRight = document.getElementById("slideRight");
slideRight.addEventListener("click", function () {
    clearInterval(intervalId);
    sliderDirection = "right";
    changeSlider();
    intervalId = setInterval(changeSlider, 5000);
});
},
error: function(xhr, status, error) {
    console.log("Error retrieving news: " + error);
}
});
}
if(window.location.href.includes("register")){
$.ajax({
    url:"models/get_users_data.php",
    dataType:"json",
    success: function(data){
        localStorage.setItem("users", JSON.stringify(data));
        allUsers = data;
    },
    error: function(xhr, status, error) {
        console.log("Error retrieving users: " + error);
    }
});
var allUsers = JSON.parse(localStorage.getItem(("users")));
localStorage.removeItem("users");
var emailReg = /^[w\w\.\.]+\@[a-zA-Z_]+?(\.[a-zA-Z]{2,3})+$/;
var passReg = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,}$/;
var usernameReg = /^[a-zA-Z]{3}[a-zA-Z0-9_]{0,17}$/;

```

```

$("#submitButton").click(checkRegistrationForm);

function checkRegistrationForm(){
    var err = 0;

    if(!checker(emailReg, "regInputEmail", "invalidEmail")){
        err++;
    };
    if(!checker(usernameReg, "regInputUsername", "invalidUsername")){
        err++;
    }
    else{
        var taken = 0;
        allUsers.forEach(user => {
            if(user.username.toString()==document.getElementById("regInputUsername").value){
                document.getElementById("takenUsername").classList.add("d-block");
                taken++;
                err++;
            }
        });
        if(taken == 0){
            document.getElementById("takenUsername").classList.remove("d-block");
        }
    }
    if(!checker(passReg, "regInputPassword", "invalidPassword")){
        err++;
    };
    if(document.getElementById("regInputPassword").value!=document.getElementById("regInputRenter").value){
        document.getElementById("invalidRenter").classList.add("d-block");
        err++;
    }
    else{
        document.getElementById("invalidRenter").classList.remove("d-block");
    }
    if(err==0){
        var newUserData = {
            username: document.getElementById("regInputUsername").value,
            email: document.getElementById("regInputEmail").value,
            password: document.getElementById("regInputPassword").value
        };
        $.ajax({
            url: "models/registrationProcess.php",
            method: "POST",

```

```

        data: newUserData,
        success: function(response) {
            console.log("User register sent successfully");
            console.log("Response from server: " + response);
            window.location.href = "index.php?page=login";
        },
        error: function(xhr, status, error) {
            console.log("Error sending user data to server: " + error);
        }
    });
}
}

}

if(window.location.href.includes("page=movie&id")){
    function checkReview(e){
        e.preventDefault();
        var err = 0;
        var movieId = document.getElementById("movieId").value;
        var userId = document.getElementById("userId").value;
        var grade = document.getElementById("gradeOption").value;
        var text = document.getElementById("reviewText").value;

        if(text == ""){
            err++;
            document.getElementById("reviewTextFeedback").classList.add("d-block");
        }
        else{
            document.getElementById("reviewTextFeedback").classList.remove("d-block");
        }
        if(err==0){
            var reviewData = {
                movie_id:movieId,
                user_id:userId,
                gradeOfMovie:grade,
                textOfReview:text
            }

            $.ajax({
                url: "models/reviewProcess.php",
                method: "POST",
                data: reviewData,
                success: function(response) {
                    console.log("Review data sent successfully");
                    var cnt = "";
                    var reviews = response;

```

```

        reviews.forEach(review => {
            cnt += `
```

```

$.ajax({
    url: "models/insertMoviePictureProcess.php",
    method: "POST",
    data: formData,
    processData: false,
    contentType: false,
    success: function(response) {
        console.log("Picture data sent successfully");
        console.log("Response from server: " + response);
        window.location.href = 'index.php?page=insertMovie';
    },
    error: function(xhr, status, error) {
        console.log("Error sending picture data to server: " + error);
    }
})
}
}
}
$("#moviePictureInsert").click(checkMoviePicture);
function checkCategoryData(e){
    var categoryName = $("#newCategoryName").val();
    e.preventDefault();
    var categoryReg = /^(?=[A-Z]).{1,40}$/;
    var err=0;
    if(!checker(categoryReg, "newCategoryName", "invalidCategoryName")){
        err++;
    }
    if(err==0){
        var categoryData = {
            name:categoryName
        }
        $.ajax({
            url: "models/insertNewCategoryProcess.php",
            method: "POST",
            data: categoryData,
            success: function(response) {
                console.log("Category data sent successfully");
                console.log("Response from server: " + response);
                window.location.href = 'index.php?page=insertMovie';
            },
            error: function(xhr, status, error) {
                console.log("Error sending category data to server: " + error);
            }
        })
    }
}
}
$("#insertMovieCategory").click(checkCategoryData);
function checkActorData(e){
    e.preventDefault();

```



```

var err = 0;
var actorName = $("#newActorName").val();
var actorLastName = $("#newActorLastName").val();
var nameAndLastNameReg = /^[A-ZČĆŠŽĐ][a-zčćšžđ]+\s*([A-ZČĆŠŽĐ][a-zčćšžđ]+(\s*))?$/;
if(!checker(nameAndLastNameReg, "newActorName", "invalidActorName")){
    err++;
}
if(!checker(nameAndLastNameReg, "newActorLastName",
"invalidActorLastName")){
    err++;
}
if(err==0){
    var actorData = {
        firstName:actorName,
        lastName:actorLastName
    }
    $.ajax({
        url: "models/insertNewActorProcess.php",
        method: "POST",
        data: actorData,
        success: function(response) {
            console.log("Actor data sent successfully");
            console.log("Response from server: " + response);
            window.location.href = 'index.php?page=insertMovie';
        },
        error: function(xhr, status, error) {
            console.log("Error sending actor data to server: " + error);
        }
    })
}
}
$("#actorInsert").click(checkActorData);
function checkMovieData(e){
    e.preventDefault();
    var err = 0;
    var pictureId = $("#pictureUrl").val();
    var movieTitle = $("#movieTitle").val();
    var date = $("#movieDate").val();
    var movieDescription = $("#movieDescription").val();
    var checkedCategories = [];
    document.querySelectorAll('input[name="movieCategories[]"]:checked').forEach(function(cc) {
        checkedCategories.push(cc.value);
    });
    var checkedActors = [];
    document.querySelectorAll('input[name="movieActors[]"]:checked').forEach(function(ca) {

```

```

checkedActors.push(ca.value);
});
var movieTitleReg = /^[A-Z][A-Za-z0-9 .]{0,38}[A-Za-z0-9]$/;
if(!checker(movieTitleReg, "movieTitle", "invalidTitle")){
    err++;
}
if(date==""){
    err++;
    $("#invalidDate").addClass("d-block");
}
else{
    $("#invalidDate").removeClass("d-block");
}
if(movieDescription==""){
    err++;
    $("#invalidDescription").addClass("d-block");
}
else{
    $("#invalidDescription").removeClass("d-block");
}
if(checkedCategories.length==0){
    err++;
    $("#invalidCategory").addClass("d-block");
}
else{
    $("#invalidCategory").removeClass("d-block");
}
if(checkedActors.length==0){
    err++;
    $("#invalidActor").addClass("d-block");
}
else{
    $("#invalidActor").removeClass("d-block");
}
if(err==0){
    var movieData = {
        picture_Id:pictureId,
        movie_title:movieTitle,
        movie_date:date,
        movie_description:movieDescription,
        movie_categories:checkedCategories,
        movie_actors:checkedActors
    }
    $.ajax({
        url: "models/insertMovieProcess.php",
        method: "POST",
        data: movieData,
        success: function(response) {

```

```

        console.log("Movie data sent successfully");
        console.log("Response from server: " + response);
        window.location.href = 'index.php?page=moviesEdit';
    },
    error: function(xhr, status, error) {
        console.log("Error sending movie data to server: " + error);
    }
})
}

}

$("#movieInsert").click(checkMovieData);
}

if(window.location.href.includes("updateMovie")){
    function checkUpdateMovieData(e){
        e.preventDefault();
        var id = $("#movieId").val();
        var err = 0;
        var pictureId = $("#pictureUrl").val();
        var movieTitle = $("#movieTitle").val();
        var date = $("#movieDate").val();
        var movieDescription = $("#movieDescription").val();
        var checkedCategories = [];
        document.querySelectorAll('input[name="movieCategories[]"]:checked').forEach(
ch(function(cc) {
        checkedCategories.push(cc.value);
    }));
        var checkedActors = [];
        document.querySelectorAll('input[name="movieActors[]"]:checked').forEach(f
unction(ca) {
        checkedActors.push(ca.value);
    }));
        var movieTitleReg = /^[A-Z][A-Za-z0-9 .]{0,38}[A-Za-z0-9]$/;
        if(!checker(movieTitleReg, "movieTitle", "invalidTitle")){
            err ++;
        }
        if(date==""){
            err++;
            $("#invalidDate").addClass("d-block");
        }
        else{
            $("#invalidDate").removeClass("d-block");
        }
        if(movieDescription==""){
            err++;
            $("#invalidDescription").addClass("d-block");
        }
        else{

```

```

        $("#invalidDescription").removeClass("d-block");
    }
    if (checkedCategories.length == 0) {
        err++;
        $("#invalidCategory").addClass("d-block");
    }
    else {
        $("#invalidCategory").removeClass("d-block");
    }
    if (checkedActors.length == 0) {
        err++;
        $("#invalidActor").addClass("d-block");
    }
    else {
        $("#invalidActor").removeClass("d-block");
    }
    if (err == 0) {
        var movieData = {
            picture_id: pictureId,
            movie_id: id,
            movie_title: movieTitle,
            movie_date: date,
            movie_description: movieDescription,
            movie_categories: checkedCategories,
            movie_actors: checkedActors
        }
        $.ajax({
            url: "models/updateMovieProcess.php",
            method: "POST",
            data: movieData,
            success: function (response) {
                console.log("Movie data sent successfully");
                console.log("Response from server: " + response);
                window.location.href = 'index.php?page=moviesEdit';
            },
            error: function (xhr, status, error) {
                console.log("Error sending movie data to server: " + error);
            }
        })
    }
}

$("#movieUpdate").click(checkUpdateMovieData);
}

if (window.location.href.includes("insertNews")) {
    function checkNewsPicture(e) {
        e.preventDefault();
        var err = 0;
    }
}

```

```

var newPictureUrl = document.getElementById("newPictureUrl").files[0];
if(newPictureUrl){
    var mimeType = newPictureUrl.type;
    if(!mimeType.startsWith("image/")){
        err++;
        $("#invalidPictureUrl").addClass("d-block");
    }
    else{
        $("#invalidPictureUrl").removeClass("d-block");
    }
}
else{
    $("#invalidPictureUrl").addClass("d-block");
    err ++;
}
if(err == 0){
    var formData = new FormData();
    formData.append("image", newPictureUrl);
    $.ajax({
        url: "models/insertNewsPictureProcess.php",
        method: "POST",
        data: formData,
        processData: false,
        contentType: false,
        success: function(response) {
            console.log("Picture data sent successfully");
            console.log("Response from server: " + response);
            window.location.href = 'index.php?page=insertNews';
        },
        error: function(xhr, status, error) {
            console.log("Error sending picture data to server: " + error);
        }
    })
}
}
$("#newsPictureInsert").click(checkNewsPicture);
function checkNewsData(e){
    e.preventDefault();
    var err = 0;
    var titleReg = /^[A-Z][A-Za-z0-9 ]{0,50}[A-Za-z0-9]\.$/;
    var title = document.getElementById("newsTitle").value;
    var pictureId = document.getElementById("pictureUrl").value;
    if(!checker(titleReg, "newsTitle", "invalidTitle")){
        err++;
    }
    if(err == 0){
        var newsData = {
            picture_id:pictureId,

```

```

        news_title:title
    }
    $.ajax({
        url: "models/insertNewsProcess.php",
        method: "POST",
        data: newsData,
        success: function(response) {
            console.log("News data sent successfully");
            console.log("Response from server: " + response);
            window.location.href = 'index.php?page=newsEdit';
        },
        error: function(xhr, status, error) {
            console.log("Error sending news data to server: " + error);
        }
    })
}
}
}
$("#newsInsert").click(checkNewsData);
}
if(window.location.href.includes("updateNews")){
    function checkUpdatedNewsData(e){
        e.preventDefault();
        var err = 0;
        var titleReg = /^[A-Z][A-Za-z0-9: ]{0,50}[A-Za-z0-9]\.$/;
        var title = document.getElementById("newsTitle").value;
        var pictureId = document.getElementById("pictureUrl").value;
        var newsId = document.getElementById("newsId").value;
        if(!checker(titleReg, "newsTitle", "invalidTitle")){
            err++;
        }
        if(err == 0){
            var newsData = {
                id:newsId,
                picture_id:pictureId,
                news_title:title
            }
            $.ajax({
                url: "models/updateNewsProcess.php",
                method: "POST",
                data: newsData,
                success: function(response) {
                    console.log("News data sent successfully");
                    console.log("Response from server: " + response);
                    window.location.href = 'index.php?page=newsEdit';
                },
                error: function(xhr, status, error) {
                    console.log("Error sending news data to server: " + error);
                }
            })
        }
    }
}

```

```

    })
  }
}
$("#updateNews").click(checkUpdatedNewsData);
}
if(window.location.href.includes("movies")){
  localStorage.removeItem("checkedCategories");
  localStorage.removeItem("limit");
  localStorage.removeItem("sort");

  function getCheckedCategories(){
    var checked = [];
    $('input[name="categories[]"]').each(function(){
      if($(this).is(':checked')){
        checked.push($(this).val());
      }
    });
    var dataToSend = {
      categories:checked
    }
    localStorage.setItem("checkedCategories", checked);
    localStorage.setItem("limit", 0);
    $.ajax({
      url: "models/get_number_of_movies.php",
      method: "POST",
      data:dataToSend,
      success: function(response){
        var numberOfMovies = response.num;
        var numberOfPages = Math.ceil(numberOfMovies/10);
        var cnt = "";
        for(var i = 0;i<numberOfPages;i++){
          cnt+=`<a href="#" class="text-decoration-none movie-pagination
${(i==0?"active":"")}" data-limit="${i}"><p class="me-2 paginationLink fw-
bold">${i+1}</p></a>`
        }
        document.querySelector("#paginationMenu").innerHTML = cnt;
        $(".movie-pagination").click(getLimit);
      },
      error: function(xhr, status, error){
        console.log("Error retriving number of movies: ", + error);
      }
    })
    sendData();
  }
  var categoryCheckBoxes = $('input[name="categories[]"]');
  for(var i = 0;i<categoryCheckBoxes.length;i++){
    categoryCheckBoxes[i].addEventListener("change", getCheckedCategories);
  }
}

```

```

function getLimit(e){
    e.preventDefault();
    window.scrollTo({
        top: 0,
        behavior: 'smooth'
    });
    var limit = $(this).data('limit');
    localStorage.setItem("limit", limit);
    var links = document.getElementsByClassName("movie-pagination");
    for(var i = 0;i<links.length;i++){
        links[i].classList.remove("active");
    }
    $(this).addClass('active');
    sendData();
}
$(".movie-pagination").click(getLimit);
function sortOrderChanged(){
    var sortValue = $("#sort").val();
    localStorage.setItem("sort", sortValue);
    sendData();
}
$("#sort").change(sortOrderChanged);
function sendData(){
    var limit = localStorage.getItem('limit');
    var categories = localStorage.getItem('checkedCategories');
    var sortOdrer = localStorage.getItem("sort");
    if(limit===undefined){
        limit = 0;
    }
    if(categories===undefined){
        categories = [];
    }
    if(sortOdrer===undefined){
        sortOdrer = 1;
    }
    var dataToFilterBy = {
        limit:limit,
        categories:categories,
        sortOrder:sortOdrer
    }
    $.ajax({
        url: "models/pagination.php",
        method: "POST",
        data: dataToFilterBy,
        success: function(allData) {
            console.log("Limit data sent successfully");
            var user = allData.user;
            var allMovies = allData.movies;

```





```

    }
    cnt += `</div>
        <div class="mb-1">
            <a href="index.php?page=movie&id=${id}"
class="info"><i class="fa-solid fa-circle-info info fs-4
icoSecondary"></i></a>
        </div>
    </div>
    </div>`;
    resolve(cnt);
});
});

// Store the Promise in the array
promises.push(getCategoriesPromise);
}
// Wait for all promises to resolve using Promise.all
Promise.all(promises)
    .then(results => {
        // Combine the results into a single string
        const cnt = results.join("");
        document.getElementById("allMovies").innerHTML = cnt;
    })
    .catch(error => {
        console.log("Error: " + error);
    });
},
error: function(xhr, status, error) {
    console.log("Error sending limit data to server: " + error);
}
});
}

function getMovieCategories(id, callback) {
    var data = {
        id: id
    };

    $.ajax({
        url: "models/get_movie_categories.php",
        method: "POST",
        data: data,
        success: function(movieCategories) {
            console.log("Id data sent successfully");
            callback(movieCategories);
        },
        error: function(xhr, status, error) {

```

```

        console.log("Error sending Id data to server: " + error);
    }
    });
}
}

if(window.location.href.includes("contact")){
    function checkMailing(e){
        e.preventDefault();
        var err = 0;
        var subjectRegex = /^[A-Za-z0-9\s\.,\?!\@#$$%^&*()\-\+=]{1,100}$/;
        var emailReg = /^[w\w\.] +@[a-zA-Z_]+?(\. [a-zA-Z]{2,3})+$/;
        var subjectName = document.getElementById("userMailSubject").value;
        var userEmail = document.getElementById("userMailEmail").value;
        var mailText = document.getElementById("userMailText").value;
        if(!checker(subjectRegex, "userMailSubject", "invalidSubject")){
            err++;
        }
        if(!checker(emailReg, "userMailEmail", "invalidEmail")){
            err++;
        }
        if(mailText==""){
            $("#invalidText").addClass("d-block")
        }
        else{
            $("#invalidText").removeClass("d-block")
        }
        if(err == 0){
            var mailData = {
                userMail:userEmail,
                subjectName:subjectName,
                mailText:mailText
            }
            $.ajax({
                url: "models/sendMailToAdmin.php",
                method: "POST",
                data: mailData,
                success: function(response) {
                    console.log("Mail data sent successfully");
                    console.log("Response from server: " + response);
                    window.location.href = 'index.php';
                },
                error: function(xhr, status, error) {
                    console.log("Error sending mail data to server: " + error);
                }
            })
        }
    }

    $("#sendMail").click(checkMailing);
}

```

```

}
if(window.location.href.includes("insertUser")){
$.ajax({
  url:"models/get_users_data.php",
  dataType:"json",
  success: function(data){
    localStorage.setItem("users", JSON.stringify(data));
    allUsers = data;
  },
  error: function(xhr, status, error) {
    console.log("Error retrieving users: " + error);
  }
});
var allUsers = JSON.parse(localStorage.getItem(("users")));
localStorage.removeItem("users");
var emailReg = /^[w\.\.]+\@[a-zA-Z_]+?(\.[a-zA-Z]{2,3})+$/;
var passReg = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,}$/;
var usernameReg = /^[a-zA-Z]{3}[a-zA-Z0-9_]{0,17}$/;

$("#userInsert").click(checkNewUserData);

function checkNewUserData(){
  var err = 0;

  if(!checker(emailReg, "regInputEmail", "invalidEmail")){
    err++;
  };
  if(!checker(usernameReg, "regInputUsername", "invalidUsername")){
    err++;
  }
  else{
    var taken = 0;
    allUsers.forEach(user => {
      if(user.username.toString()==document.getElementById("regInputUser
name").value){
        document.getElementById("takenUsername").classList.add("d-
block");

        taken++;
        err++;
      }
    });
    if(taken == 0){
      document.getElementById("takenUsername").classList.remove("d-
block");
    }
  }
  if(!checker(passReg, "regInputPassword", "invalidPassword")){
    err++;
  }
}

```

```

    };
    if(document.getElementById("regInputPassword").value!=document.getElementById("regInputRenter").value){
        document.getElementById("invalidRenter").classList.add("d-block");
        err++;
    }
    else{
        document.getElementById("invalidRenter").classList.remove("d-block");
    }
    if(err==0){
        var newUserData = {
            username: document.getElementById("regInputUsername").value,
            email: document.getElementById("regInputEmail").value,
            password: document.getElementById("regInputPassword").value,
            roleId: document.getElementById("userRole").value
        };
        $.ajax({
            url: "models/registrationProcess.php",
            method: "POST",
            data: newUserData,
            success: function(response) {
                console.log("User register sent successfully");
                console.log("Response from server: " + response);
                window.location.href = "index.php?page=usersEdit";
            },
            error: function(xhr, status, error) {
                console.log("Error sending user data to server: " + error);
            }
        });
    }
}
}
if(window.location.href.includes("updateUser")){
    var currentUserUsername = $("#regInputUsername").val();
    $.ajax({
        url:"models/get_users_data.php",
        dataType:"json",
        success: function(data){
            localStorage.setItem("users", JSON.stringify(data));
            allUsers = data;
        },
        error: function(xhr, status, error) {
            console.log("Error retrieving users: " + error);
        }
    });
};
var allUsers = JSON.parse(localStorage.getItem(("users")));
localStorage.removeItem("users");
var emailReg = /^[\\w\\.]+@[a-zA-Z_]+?(\\. [a-zA-Z]{2,3})+$/;

```

```

var passReg = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,}$/;
var usernameReg = /^[a-zA-Z]{3}[a-zA-Z0-9_]{0,17}$/;
var newPass = $("#newPasswordTrue");
var userId = $("#userId").val();
var checkedPassword;

$("#userUpdate").click(checkUpdatedUserData);

function checkUpdatedUserData(){

    var err = 0;
    if(newPass.is(":checked")){

        checkedPassword = true;
    }
    else{
        checkedPassword = false;
    }

    if(!checker(emailReg, "regInputEmail", "invalidEmail")){
        err++;
    };
    if(!checker(usernameReg, "regInputUsername", "invalidUsername")){
        err++;
    }
    else{
        var taken = 0;
        allUsers.forEach(user => {
            if(user.username.toString()==document.getElementById("regInputUser
name").value &&
document.getElementById("regInputUsername").value!=currentUserUsername){
                document.getElementById("takenUsername").classList.add("d-
block");

                taken++;
                err++;
            }
        });
        if(taken == 0){
            document.getElementById("takenUsername").classList.remove("d-
block");
        }
    }
    if(checkedPassword){
        if(!checker(passReg, "regInputPassword", "invalidPassword")){
            err++;
        };
    }
}

```

```

        if(document.getElementById("regInputPassword").value!=document.getElementById("regInputRenter").value){
            document.getElementById("invalidRenter").classList.add("d-block");
            err++;
        }
        else{
            document.getElementById("invalidRenter").classList.remove("d-block");
        }
        if(err==0){
            var updatedUserData = {
                username: document.getElementById("regInputUsername").value,
                email: document.getElementById("regInputEmail").value,
                password: document.getElementById("regInputPassword").value,
                roleId: document.getElementById("userRole").value,
                userId: userId,
                newPassword: checkedPassword
            };
            $.ajax({
                url: "models/updateUserProcess.php",
                method: "POST",
                data: updatedUserData,
                success: function(response) {
                    console.log("User register sent successfully");
                    console.log("Response from server: " + response);
                    window.location.href = "index.php?page=usersEdit";
                },
                error: function(xhr, status, error) {
                    console.log("Error sending user data to server: " + error);
                }
            });
        }
    }
}

```