PHP Code

**AuthController.php**

<?php

namespace App\Http\Controllers\authentication;

use Illuminate\Http\Request;

use App\Http\Controllers\Controller;

use Illuminate\Support\Facades\DB;

use Symfony\Component\HttpFoundation\Response;

use Illuminate\Http\RedirectResponse;

class authController extends Controller

{

//login

public function viewLoginPage(){

return view('loginpage');

}

public function userLogin(Request $req){

$username = $req -> username;

$password = $req -> password;

$users = DB::select('select \* from member

where username = "'.$username.'"

and password = "'.$password.

'" limit 0, 1;');

if(count($users) >0)

{

$result = $users;

return response() -> json($result);

}

else

{

$result= false;

return response()-> json($result);

}

}

//login end

//register

public function viewSignUpPage(){

return view('signuppage');

}

public function userRegister(Request $req){

$username = $req -> username;

$password = $req -> password;

$fullname = $req -> fullname;

$phoneno = $req -> phoneno;

DB::insert('insert into member(username, password, fullname, phoneno)

values("'.$username.'","'.$password.'","'.$fullname.'","'.$phoneno.'");');

return 'done register';

}

//register end\*/

public function checkMemberType($member\_type){

if($member\_type === "ADMIN"){

return true;

}

else{

return false;

}

}

}

**HomeController.php**

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Http\Controllers\Controller;

use Illuminate\Support\Facades\DB;

use Illuminate\Support\Facades\Redirect;

use Illuminate\Support\Collection;

use Illuminate\Support\Facades\Input;

class HomeController extends Controller

{

public function viewHomePage()

{

return view('homepage');

}

public function listMovies(){

$movies = DB::select('select m.\*, group\_concat(distinct g.genre\_name order by g.genre\_name desc separator ", ") as genres

from movie m

inner join genre\_assign ga on m.movie\_pk = ga.movie\_fk

inner join genre g on ga.genre\_fk = g.genre\_pk

group by m.movie\_pk;');

return Response()-> json($movies);

}

public function searchMovies(Request $req){

$search\_txt = $req-> search\_txt;

$movie\_genre = $req-> movie\_genre;

$movie\_year = $req-> movie\_year;

$movies = DB::select('select m.\*, GROUP\_CONCAT(DISTINCT g.genre\_name ORDER BY g.genre\_name DESC SEPARATOR ", ") AS genres\_name,

GROUP\_CONCAT(DISTINCT g.genre\_pk ORDER BY g.genre\_pk DESC SEPARATOR ", ") AS genres\_pk

FROM movie m

INNER JOIN genre\_assign ga ON m.movie\_pk = ga.movie\_fk

INNER JOIN genre g ON ga.genre\_fk = g.genre\_pk

WHERE g.genre\_pk LIKE "'. $movie\_genre .'"

AND m.year LIKE "'. $movie\_year .'"

AND m.title LIKE "%'. $search\_txt .'%"

GROUP BY m.movie\_pk;');

return Response()-> json($movies);

}

public function viewMovieDetailPage(Request $req){

$movie\_pk = $req -> movie\_pk;

//$movie\_detail = DB::table('movie')->where('movie\_pk', $movie\_pk)->first();

$movie\_detail = DB::select('select m.\*, group\_concat(distinct g.genre\_name order by g.genre\_name desc separator ", ") as genres

from movie m

inner join genre\_assign ga on m.movie\_pk = ga.movie\_fk

inner join genre g on ga.genre\_fk = g.genre\_pk

where movie\_pk ='. $movie\_pk .';');

return view ('moviedetail')->with('movie\_detail', $movie\_detail);

}

public function addMovie(){

$movie\_name = Input::get("movieNameTxt");

$movie\_year = Input::get("yearTxt");

$movie\_synopsis = Input::get("synopsisTxt");

if(Input::hasFile('image')){

$file = Input::file('image');

$file-> move('movieImageUpload', $file-> getClientOriginalName());

$movie\_image\_name = $file -> getClientOriginalName();

}

DB::insert('insert into movie(title, YEAR, synopsis, image)

VALUES("'. $movie\_name .'","'. $movie\_year . '","' . $movie\_synopsis . '","'. $movie\_image\_name . '");');

$movie\_pk\_array = DB::select('select LAST\_INSERT\_ID() as movie\_pk;');

$movie\_pk = $movie\_pk\_array[0]->movie\_pk;

foreach($\_POST['check\_list'] as $checkbox\_value){

DB::insert('insert into genre\_assign(movie\_fk, genre\_fk)

VALUES('. $movie\_pk .','. $checkbox\_value .')');

}

echo "<script>

alert('Movie Added successfully!');

window.location.href = '\homepage';

</script>";

}

public function editMovie(){

$movie\_pk = Input::get('movie\_pk');

$movie\_name = Input::get("movieNameTxt");

$movie\_year = Input::get("yearTxt");

$movie\_synopsis = Input::get("synopsisTxt");

$movie\_image\_name = Input::get("img\_name");

if(Input::hasFile('image')){

$file = Input::file('image');

$file-> move('movieImageUpload', $file-> getClientOriginalName());

$movie\_image\_name = $file -> getClientOriginalName();

}

DB::select('update movie

set title = "'. $movie\_name .'", year="'. $movie\_year . '", synopsis="' . $movie\_synopsis . '", image="'. $movie\_image\_name . '"

where movie\_pk ='. $movie\_pk .';');

DB::delete('delete from genre\_assign

where movie\_fk = '. $movie\_pk . ';');

foreach($\_POST['check\_list'] as $checkbox\_value){

DB::insert('insert into genre\_assign(movie\_fk, genre\_fk)

VALUES('. $movie\_pk .','. $checkbox\_value .')');

}

echo "<script>alert('Movie Edited successfully!');

window.location.href= '/movieDetail?movie\_pk=' +". $movie\_pk ."

</script>";

}

public function deleteMovie(){

$movie\_pk = Input::get("movie\_pk");

DB::delete('delete from movie

where movie\_pk = '. $movie\_pk . ';');

echo "<script>alert('Movie Deleted!');

window.location.href = '\homepage';

</script>";

}

}

**Route: Web.php**

//homepage

Route::get('/homepage', 'HomeController@viewHomePage');

//list movies(homepage)

Route::get('/listMovies', 'HomeController@listMovies');

Route::get('/searchMovies', 'Homecontroller@searchMovies');

Route::get('/movieDetail', 'HomeController@viewMovieDetailPage');

//MOVIE MANAGEMENT

Route::post('/addMovie', 'HomeController@addMovie');

Route::post('/editMovie', 'HomeController@editMovie');

Route::post('/deleteMovie', 'HomeController@deleteMovie');

//login

Route::get('/loginpage', 'Authentication\authController@viewLoginPage');

Route::get('/login', 'Authentication\authController@userLogin');

//register

Route::get('/signuppage','Authentication\authController@viewSignUpPage');

Route::get('/register', 'Authentication\authController@userRegister');

JavaScript Code(Input Validation)

**Validate Add Movie Form**

function validateForm(){

var $img\_name = document.getElementById("image").value;

var $movie\_name = document.getElementById("movieNameTxt").value;

var $synopsis = document.getElementById("synopsisTxt").value;

var checkboxes = document.getElementsByClassName("checkboxes");

var checkboxes\_checked =0;

var bool\_img\_name, bool\_movie\_name, bool\_synopsis, bool\_select\_genre;

var total\_bool\_valid = 0;

for (var i = 0; i < checkboxes.length; i++) {

if (checkboxes[i].checked) {

checkboxes\_checked++;

}

}

if($img\_name != null && $img\_name != ''){

bool\_img\_name = 1;

document.getElementById("required-label-img-name").style.display = "none";

}

else{

bool\_img\_name = 0;

document.getElementById("required-label-img-name").style.display = "block";

}

if($movie\_name != null && $movie\_name != ''){

bool\_movie\_name = 1;

document.getElementById("required-label-movie-name").style.display = "none";

}

else{

bool\_movie\_name = 0;

document.getElementById("required-label-movie-name").style.display = "block";

}

if($synopsis != null && $synopsis != ''){

bool\_synopsis = 1;

document.getElementById("required-label-synopsis").style.display = "none";

}

else{

bool\_synopsis = 0;

document.getElementById("required-label-synopsis").style.display = "block";

}

if(checkboxes\_checked > 1){

bool\_select\_genre = 1;

document.getElementById("required-label-genre").style.display = "none";

}

else{

bool\_select\_genre = 0;

document.getElementById("required-label-genre").style.display = "block";

}

total\_bool\_valid = bool\_img\_name + bool\_movie\_name + bool\_synopsis + bool\_select\_genre;

if(total\_bool\_valid == 4){

return true;

}

}

**Validate Edit Movie Form**

function validateForm(){

var $img\_name = document.getElementById("image").value;

var $movie\_name = document.getElementById("movieNameTxt").value;

var $synopsis = document.getElementById("synopsisTxt").value;

var checkboxes = document.getElementsByClassName("checkboxes");

var checkboxes\_checked =0;

var bool\_movie\_name, bool\_synopsis, bool\_select\_genre;

var total\_bool\_valid = 0;

for (var i = 0; i < checkboxes.length; i++) {

if (checkboxes[i].checked) {

checkboxes\_checked++;

}

}

if($movie\_name != null && $movie\_name != ''){

bool\_movie\_name = 1;

document.getElementById("required-label-movie-name").style.display = "none";

}

else{

bool\_movie\_name = 0;

document.getElementById("required-label-movie-name").style.display = "block";

}

if($synopsis != null && $synopsis != ''){

bool\_synopsis = 1;

document.getElementById("required-label-synopsis").style.display = "none";

}

else{

bool\_synopsis = 0;

document.getElementById("required-label-synopsis").style.display = "block";

}

if(checkboxes\_checked > 1){

bool\_select\_genre = 1;

document.getElementById("required-label-genre").style.display = "none";

}

else{

bool\_select\_genre = 0;

document.getElementById("required-label-genre").style.display = "block";

}

total\_bool\_valid = bool\_movie\_name + bool\_synopsis + bool\_select\_genre;

if(total\_bool\_valid == 3){

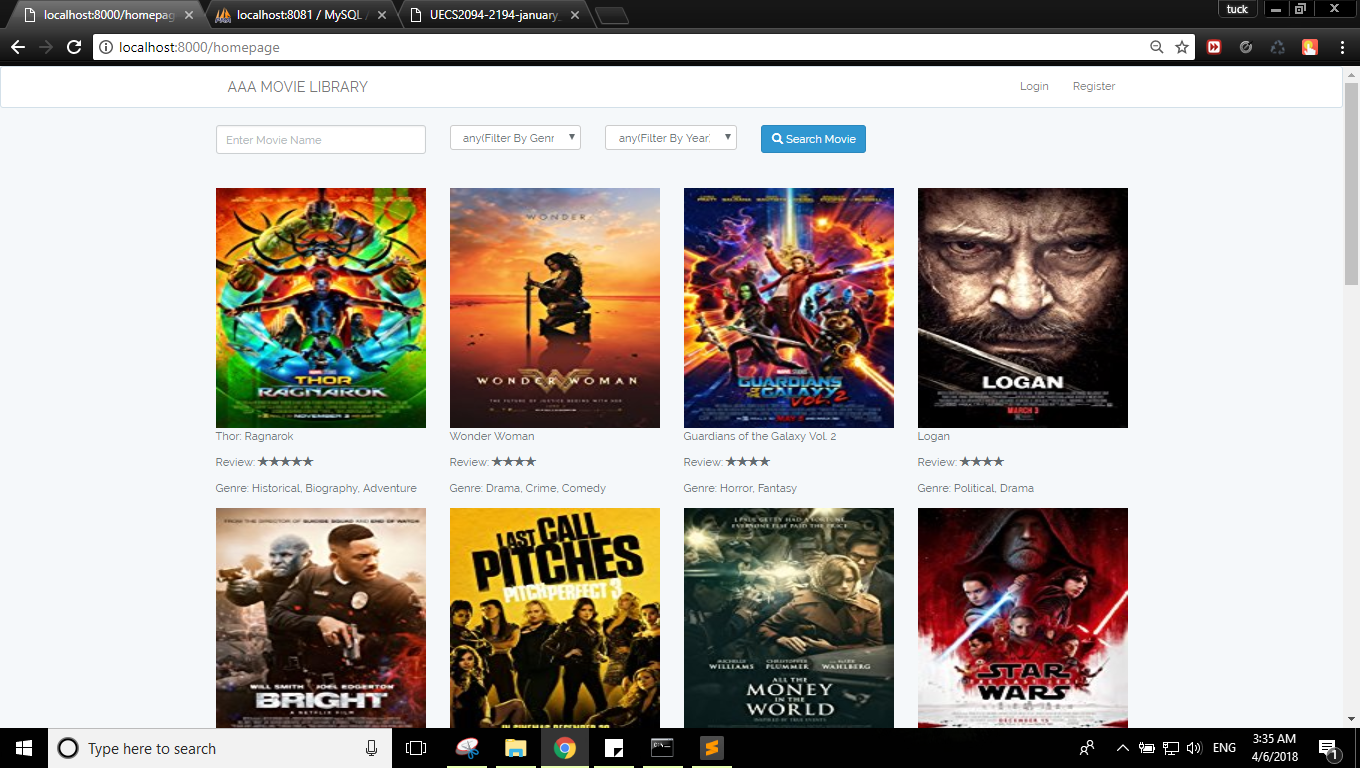
return true;

}

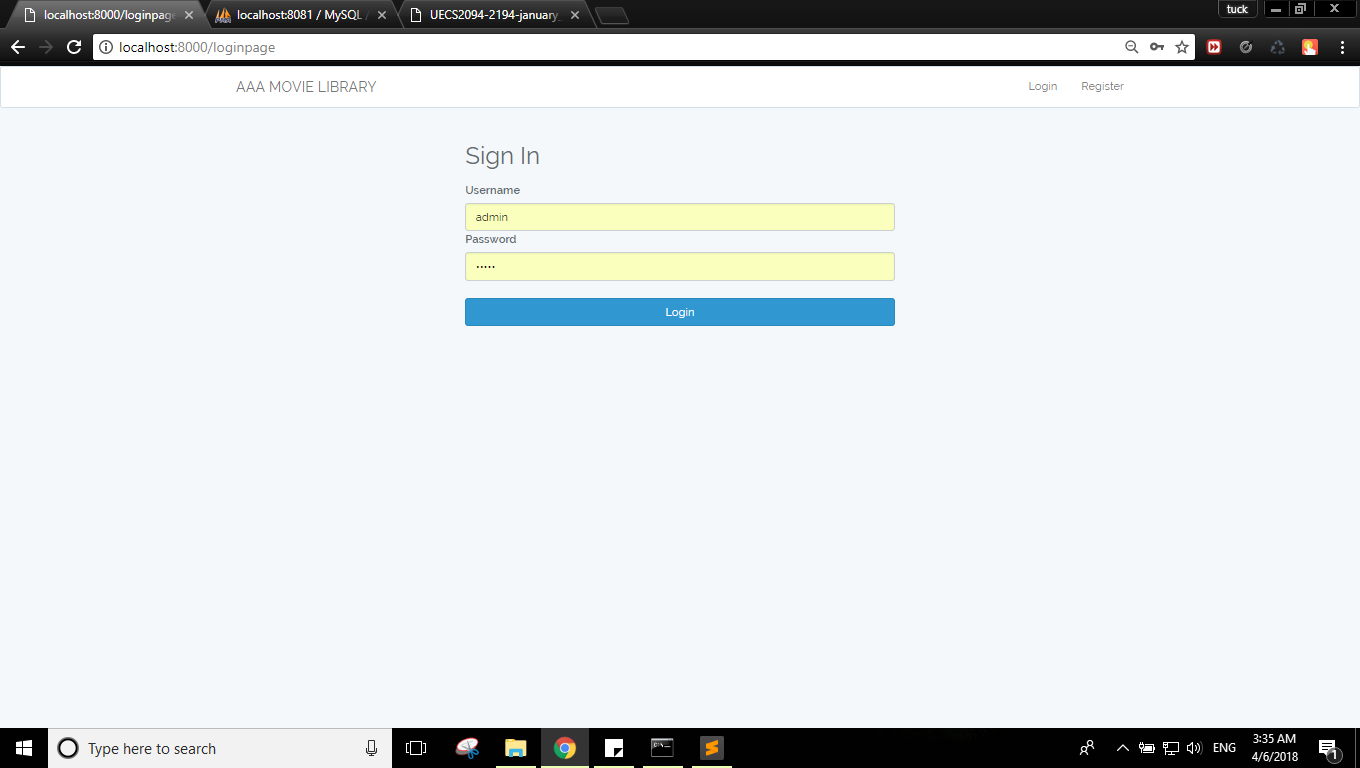
}

**Sample Outputs(User Manual)**url : /homepage

comment: Any user can view this page.

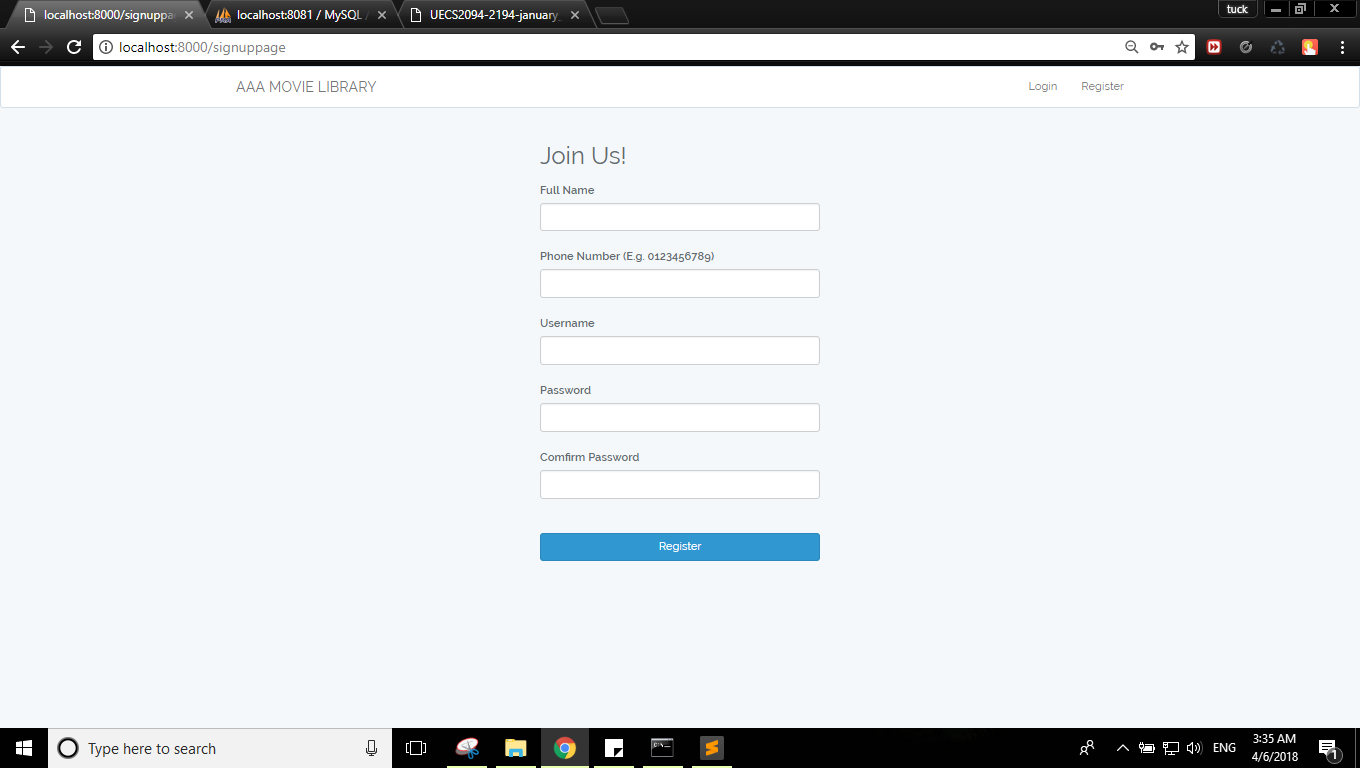


url : /loginpage

comment: Login button in nav bar is clicked.

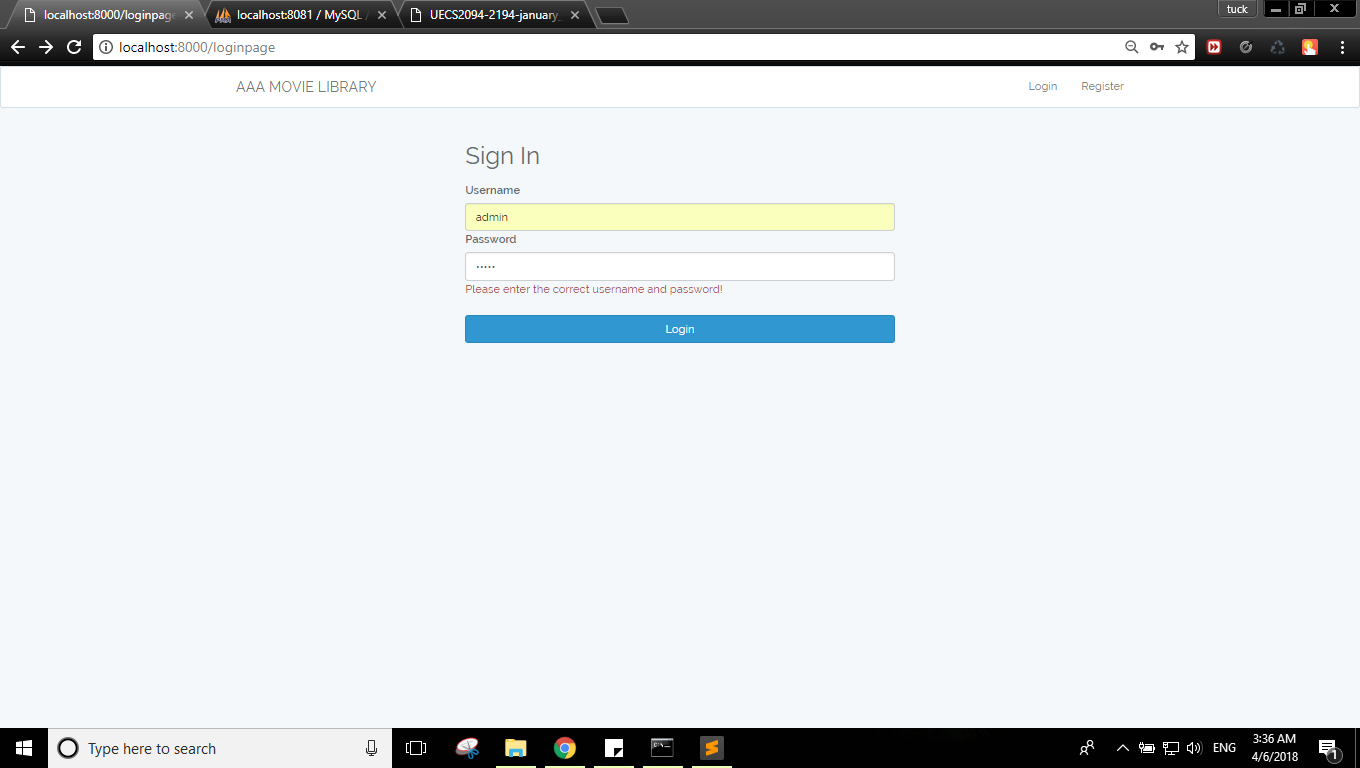
url : /signuppage

comment: This is register page, but I assume all member type is ADMIN to create an new account as admin.



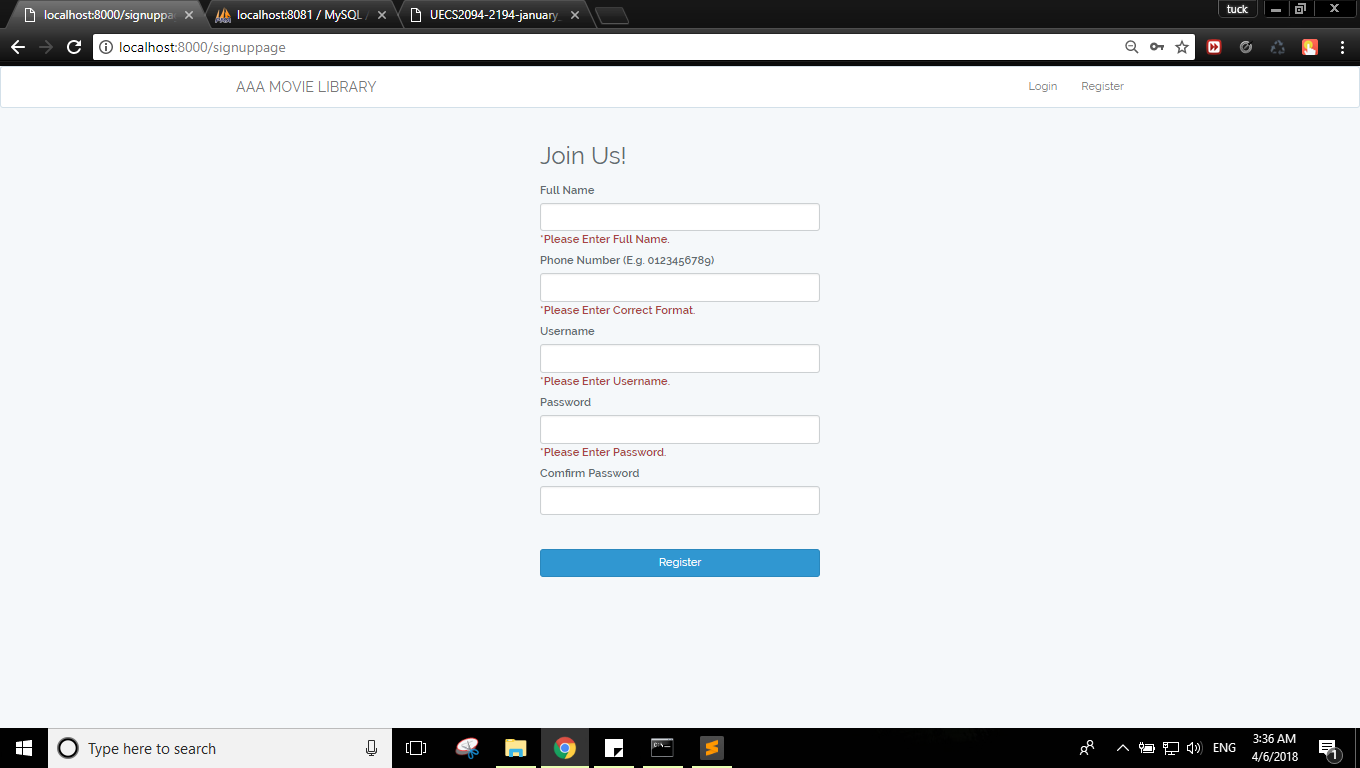
[url: /loginpage](url:/loginpage)

comment: Password is incorrect.



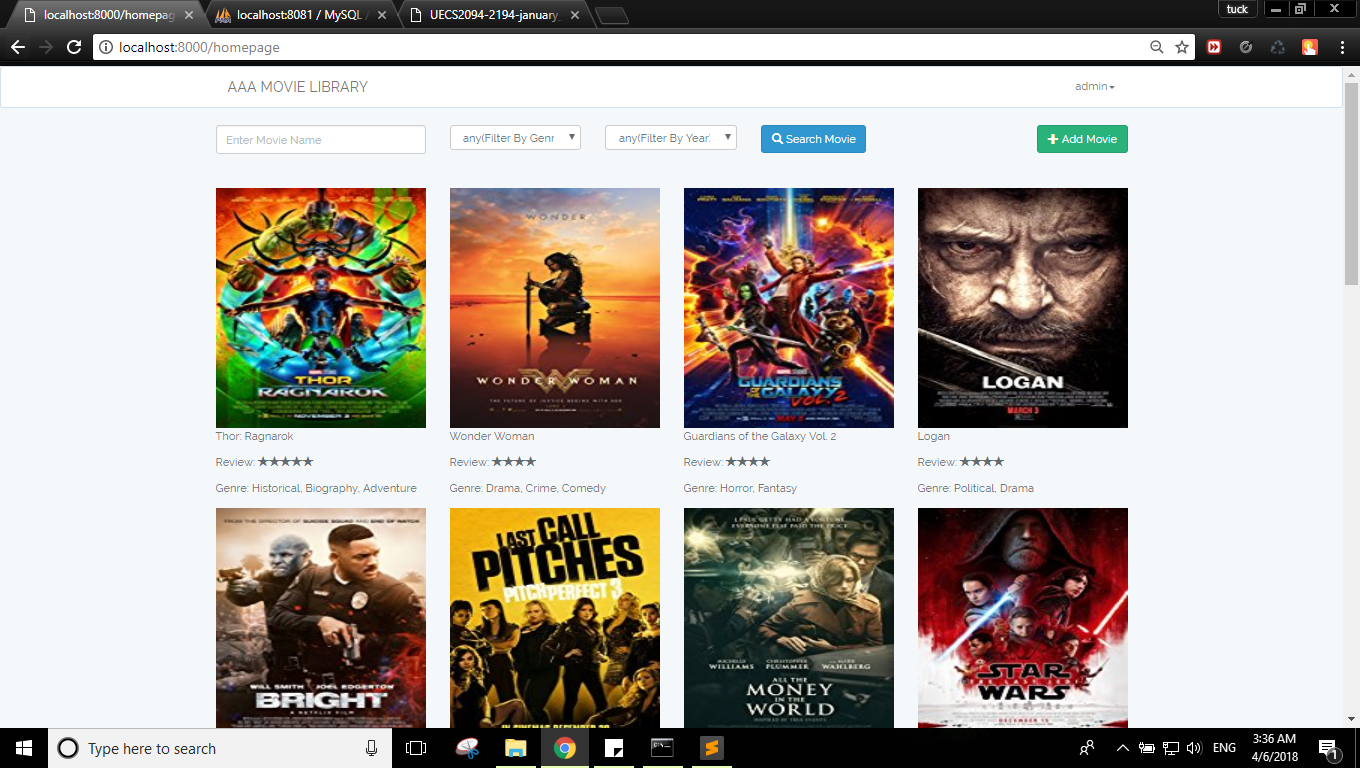
url: /signuppage

comment: Input validation for register.



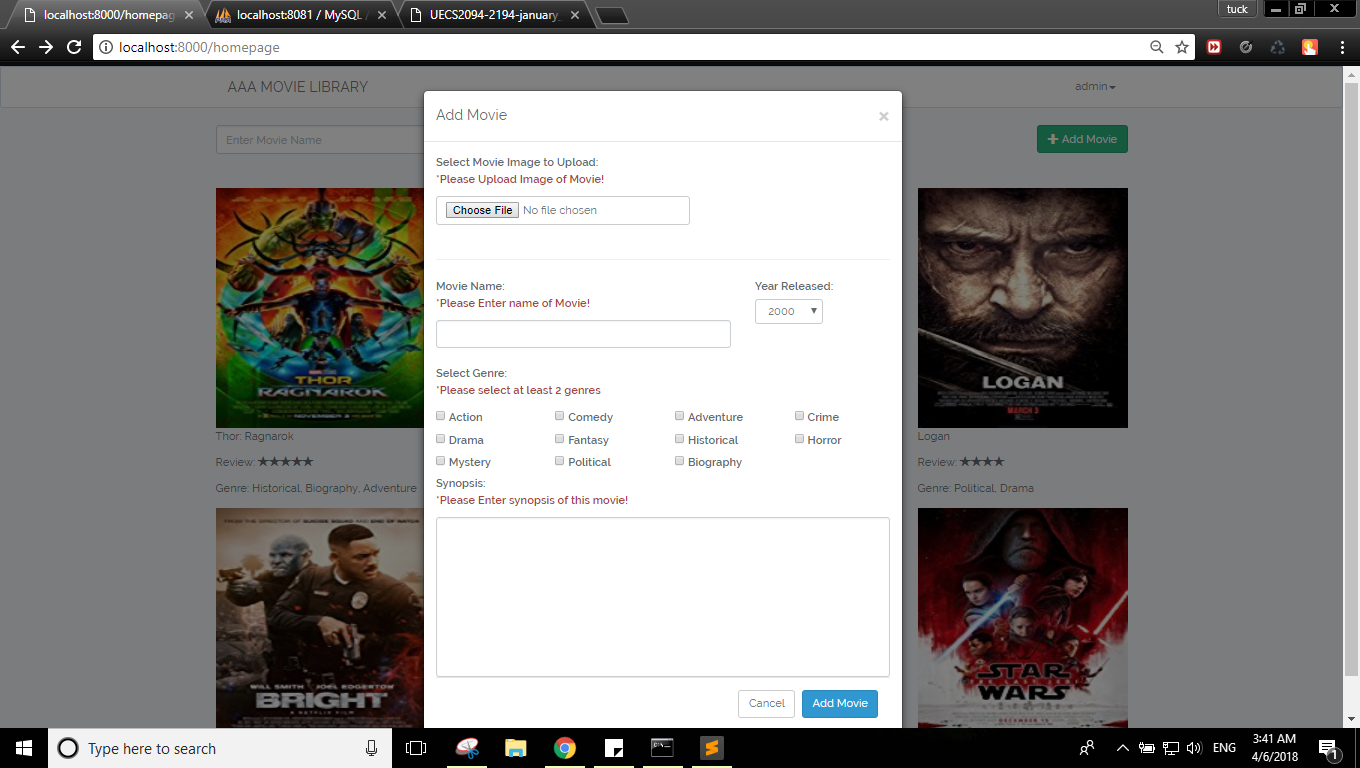
url: /homepage

comment: this page is after user log into the system. Admin add movie function appears.



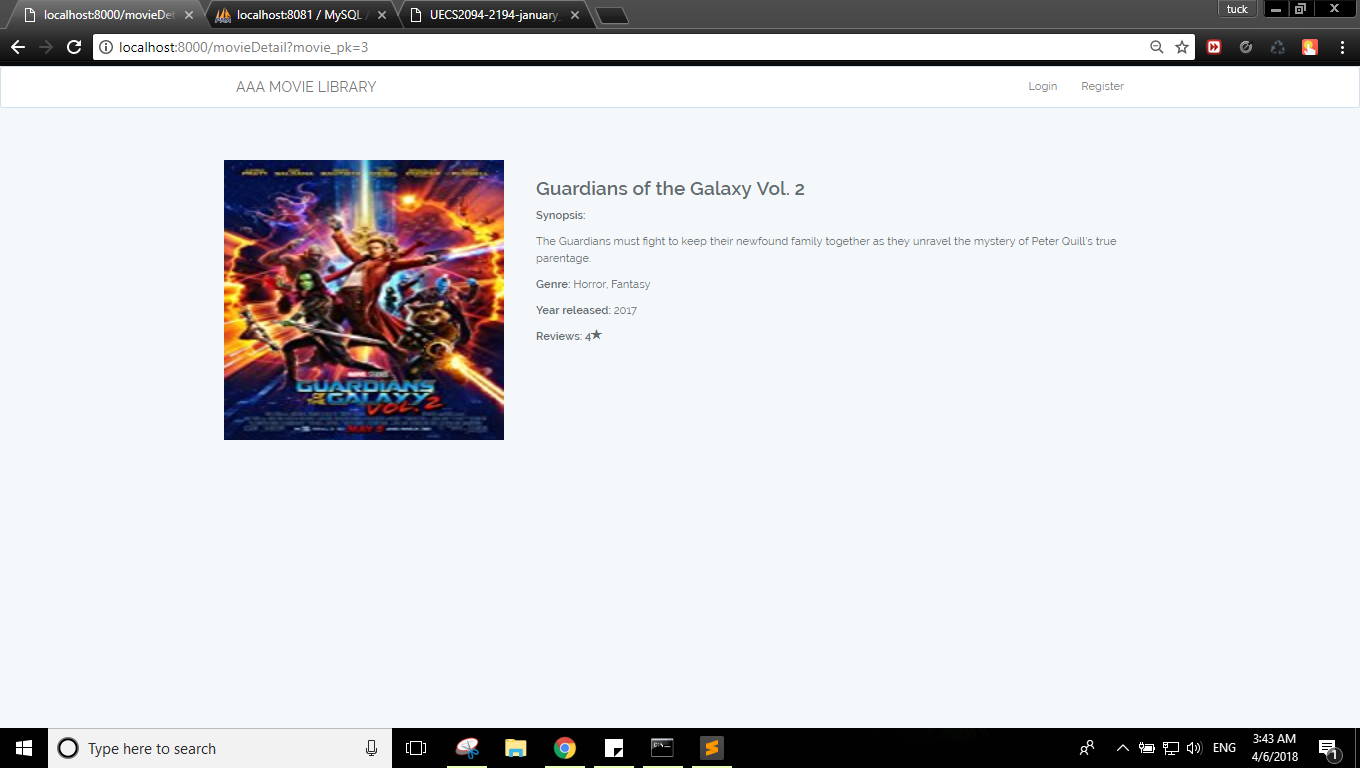
<url:/homepage>

comment: after add movie clicked. The form shows the input validation before we can submit the form.



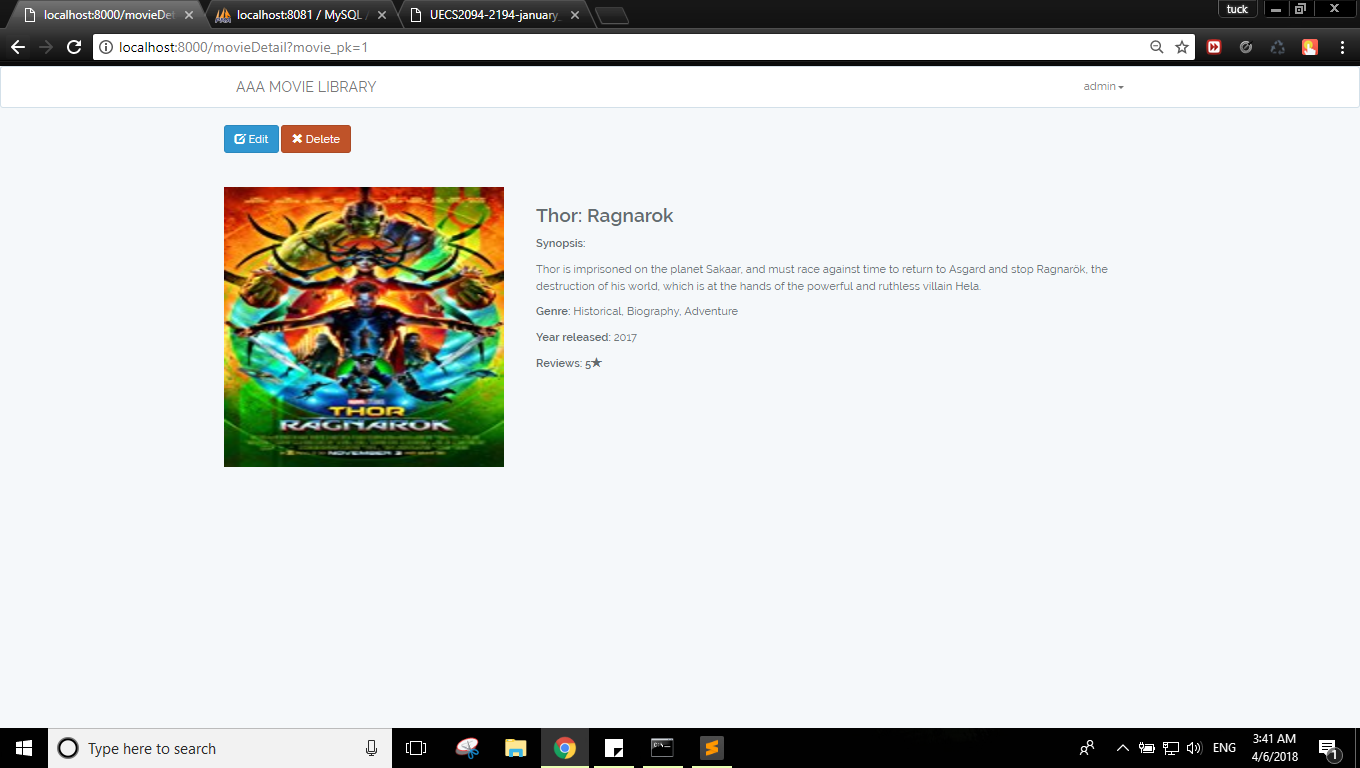
[url:/](url:/homepage)movieDetail

comment: This is client site showing movie details.



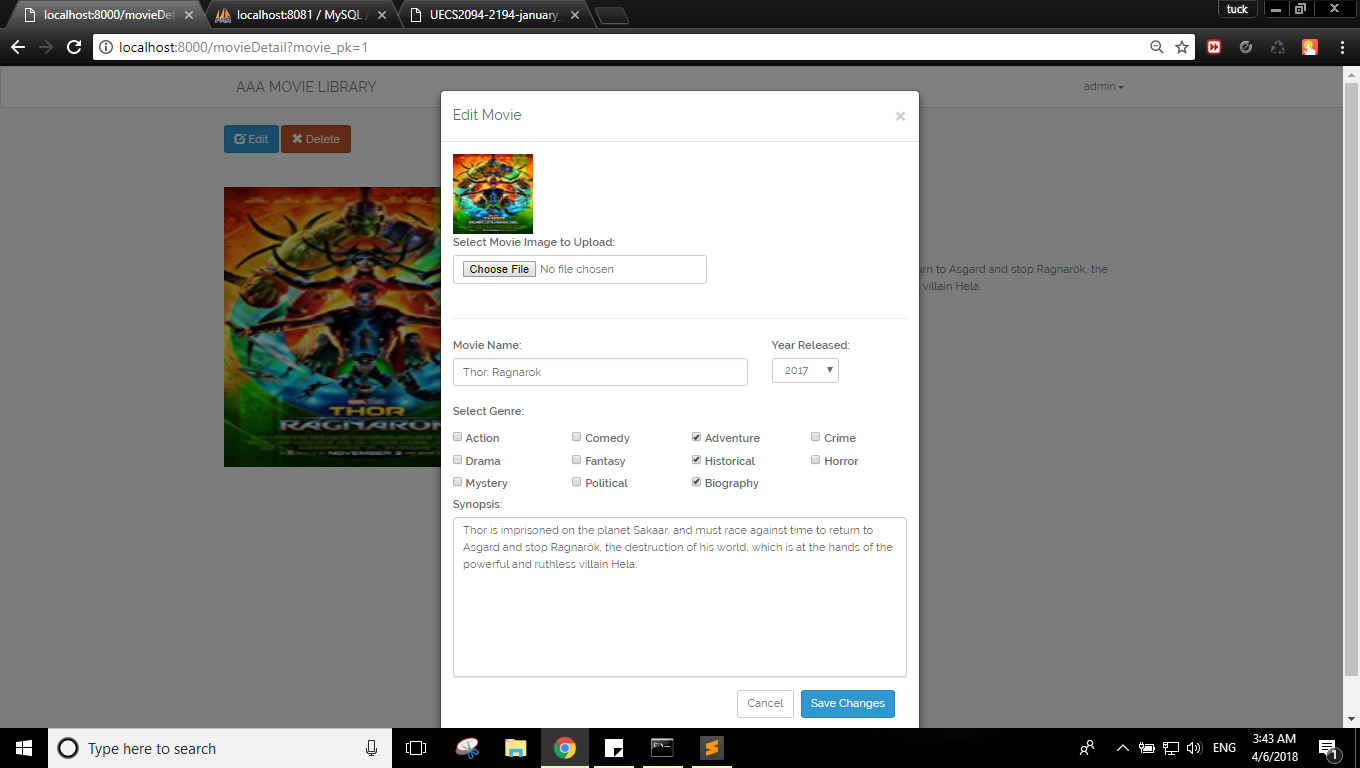
url: /movieDetail

comment: This is admin site showing the details, edit and delete function.



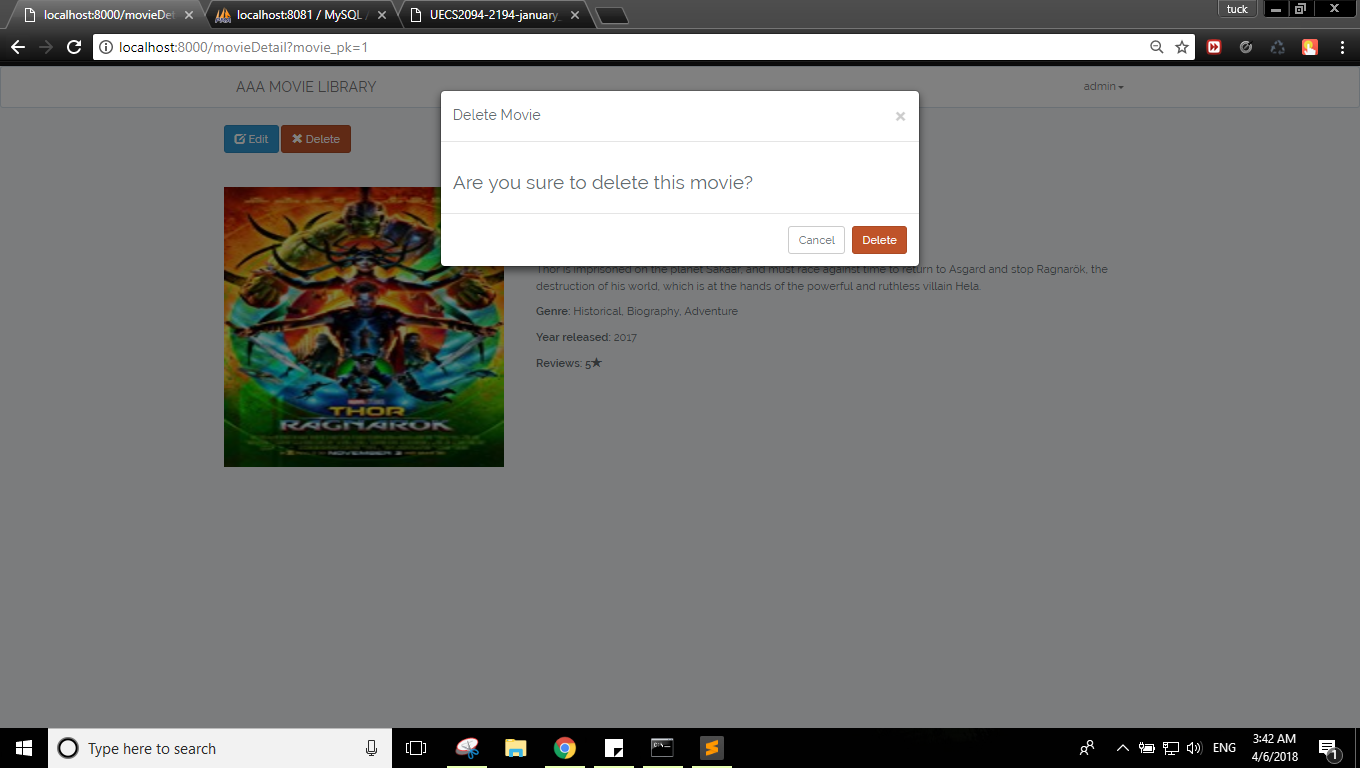
<url:/movieDetail>

comment: After edit button is clicked. The form shows the input has already preset and there is input validation function as well.



url: /movieDetail

comment: After delete button is clicked. Modal show up to double confirm.



url: /homepage

comment: search button is called. Multiple search input for movie according to year, genre, search keywords, and also arranged in alphabetical order.

