



# **NMAM INSTITUTE OF TECHNOLOGY**

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**Department of Computer Science and Engineering.**

## **RDBMS PROJECT REPORT ON Personalized Movie Database System And Booking**

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## **ABSTRACT**

Objective: The main aim of this Movie World is online booking tickets for various movies in registered theatres by the users

Here details about Now playing movies and no of tickets available in p articular theatre for particular movie, Movie Details, ticket cost for registered users

This project contains three modules: Admin, Booking Tickets, Users.

1. Admin: In this module administrator has to register the theatres assign moviesto theatres, register users,
2. Booking tickets: In this project details about booked tickets and tickets booking
3. Admin can update and delete purchase, sales and other details.
4. Users: In this users can see the showing movies and upcoming movies details, ticket booking and registering as members.

## CERTIFICATE

Certified that the project work carried out by **Skanda Bhat (4NM17CS181)** and **Vineeth Bekal (4NM16CS210)** bonafide students of NMAM Institute of Technology, Nitte in fulfillment for the Relational database Management System lab in Computer Science and Engineering during the academic year 2019-2020.

Signature of the Examiners:

Signature of the Guide:

- 1.
- 2.

## **ACKNOWLEDGEMENT**

The satisfactions that accompany the successful completion of any task would be incomplete without the mention of the people who made it possible. So we acknowledge all those whose guidance and encouragement served as a beacon of light and crowned our efforts with success.

We are thankful to our project guide, Mrs. Anusha Anchan, Dept. of CSE for her valuable guidance and advice. Her willingness to motivate us contributed tremendously to our project.

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We thank all the Teaching and Non-Teaching staff members of the department of CSE for providing resources for the completion of the project. A special thanks goes to our parents, friends and relatives for supporting and encouraging us in all ways thus making our project successful. Finally, we thank all those who have contributed directly or indirectly in making this project a grand success.

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# CHAPTER 1

## INTRODUCTION

### **Problem Definition:**

The general use of this movie database will be for leisure. It will be tailored to college students who have an interest in movies and will be intended for use in a casual setting. The general user is assumed to have an interest in a wide variety of movies including comedy, drama, independent, horror, along with many others. This site will be an excellent resource for movie aficionados, but it was also serve as a good resource for people who want to find a good movie to watch or who are just looking to kill some time. The movie rankings will be from the creator's point of view, but the user will be allowed to leave reviews/comments on the movies, actors, and directors, allowing them to share their opinions and collaborate with other users.

In the current scenario, a moviegoer (user) has to visit more than one website to get the following basic movie information

- List of movies playing in theatres, upcoming movies, DVD/Blu-ray movies
- Trailers
- IMDB Rating; Rotten Tomatoes Rating
- Simple Plot, Cast & Crew, Genre, Year Released, Runtime
- Show Times
- Links to stream/rent the movie online, buy DVD/Blu-ray
- Similar Movie Suggestions

## **Problem Statement & System Study**

Design a database that keep track of various data on movies, actors, roles in movies and famous quotes in movies and provide basic booking facilities.

There are websites like [www.imdb.com](http://www.imdb.com) and [www.rottentomatoes.com](http://www.rottentomatoes.com) with rich amount of the aforementioned data but the user has to open at least 3-4 websites to view all the data. Therefore this web application is a Personalized Movie Database System (PMDS) with booking where the user can login and see the movies.

The purpose of the Movie Database:

- Help users to find interesting movies easier
  - ..Allow the user to search movies by typing in the key word of the movie
  - ..Allow the user to search movies by typing in the name of director
  - ..Allow the user to search movies by typing in the name of an actor.
  - ..Allow the user to search movies by typing in the movie's name
- Help inform the user about popular movies
  - ..Show the rating for each movie.
  - ..Offer a brief description of each movie.
- Simplify existing sites like IMDB and Rotten Tomatoes
- Movies in the database will be movies that we feel would be worth watching (college demographic.)
- Book the required Number of tickets

## **Objectives of the Study**

Movie Database Files college students' need:

Although, there are some movie database online, most of them are not specific to university students. College students are not interested in many movies on those databases and their ratings do not offer much help to college students when choosing movies. Our movie database full-fills this need of college students. Since all of our project's developers are college students, we know what college students would like to watch. Most of the rating is done by college students, so we can give helpful suggestions to college students when they choose a movie.

Useful opportunities:

- Date with friends at home or dorm.
- Spend leisure time with family
- Be used for teaching purposes in class
- Learn foreign language by watching movies



## **CHAPTER 2**

# **SOFTWARE REQUIREMENTS**

## **Frontend Technology**

### **List of technologies for frontend**

#### **1. Hyper Text Markup Language(HTML)**

Hypertext Markup Language is the standard markup language for creating web pages and web applications.

#### **2. Cascading Style Sheets(CSS)**

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML

#### **3. JavaScript**

JavaScript, often abbreviated as JS, is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototype-based and multi-paradigm.

# Backend Technology

## List of technologies for Backend

### 1.PHP

Hypertext Pre-processor is a server-side scripting language designed for Web development, and also used as a general-purpose programming language. It was originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Group.

### 2. LARAVEL

**Laravel** is a free, open-source<sup>[3]</sup> PHP web framework, created by Taylor Otwell and intended for the development of web applications following the model–view–controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar.

### Database:

#### MySQL:

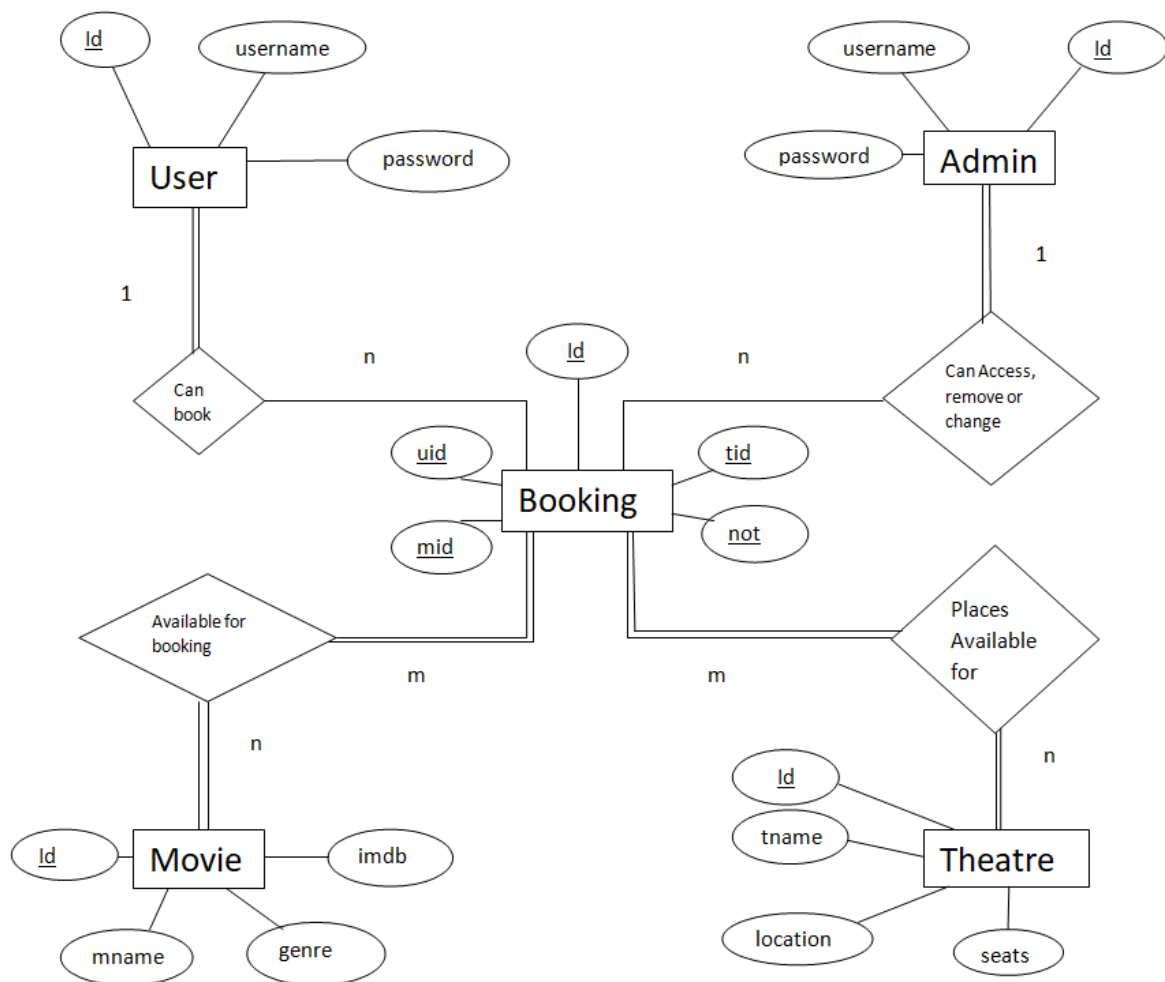
MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language.

## CHAPTER 3

### DESIGN

Database design is used to manage large bodies of information. The management of data involves both the definitions of structure for storage and provision for the manipulation of information. In addition, the data base system must provide the safety of the information solved despite system crashes or due to the attempts at unauthorized access.

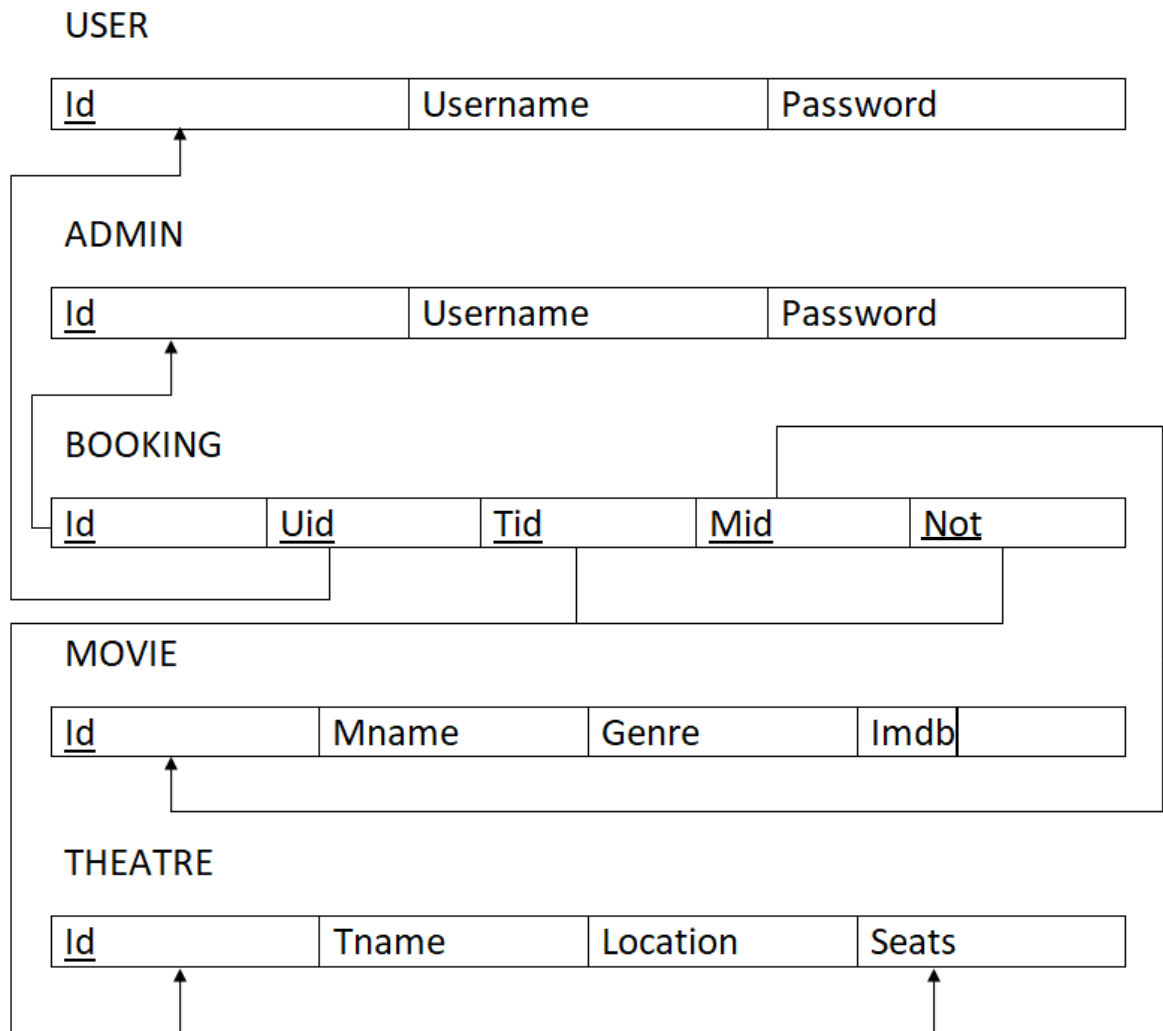
### ER-Diagram



This specifies the functional requirements of the database.

It shows the relationships among entity sets.

## Relational Database Schema



It is an outline of how data is organized.

Referential integrity constraints, primary key, and other relations between the attributes can be observed.

## CHAPTER 4

### IMPLEMENTATION

#### 4.1 Admin login

- Admin has to login initially to get access to the admin operations and functions.
- After the login, the admin can perform four different operations regarding the user, and booking movie tickets.
  - a) Insert new movie and its details into the movie table.
  - b) Delete the unnecessary bookings from the booking table.
  - c) View the booking details made by the users.

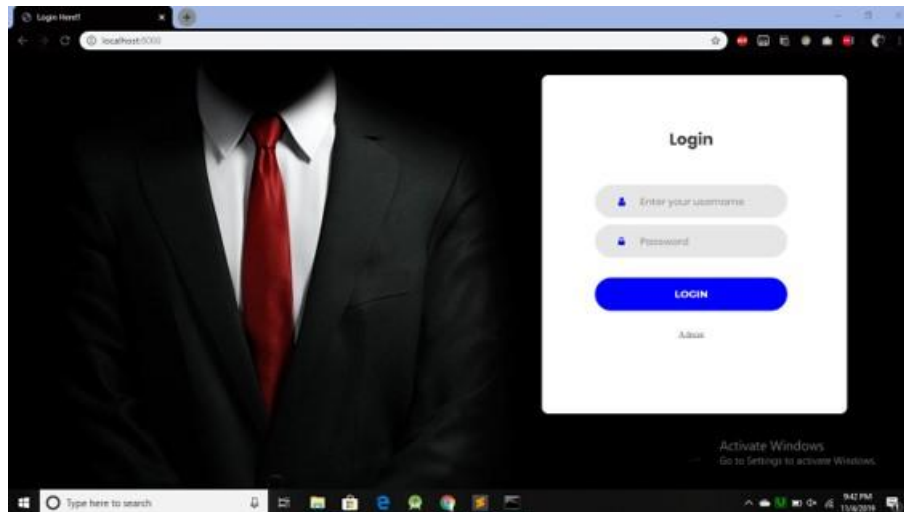
#### 4.2 User login

- There can be two different types of users:
  - a) User who already has an account.
  - b) User who doesn't has an account and wants to create a new one.
- The new user has to first register himself or herself by entering the personal details.
- The user can now login and he or she will be redirected to the main page.
- In this page, the user can book a movie tickets based on the movie details as to which is comfortable and affordable to the user.
- After booking, the user will receive a notification informing that the movie has been booked.
- The user can continue booking another movie or click HOME and come back to the initial welcome page.
- Users can view available songs, movies, awards, developers, get contact and help, give a feedback.

## CHAPTER 5

### SCREENSHOTS

#### Home page:

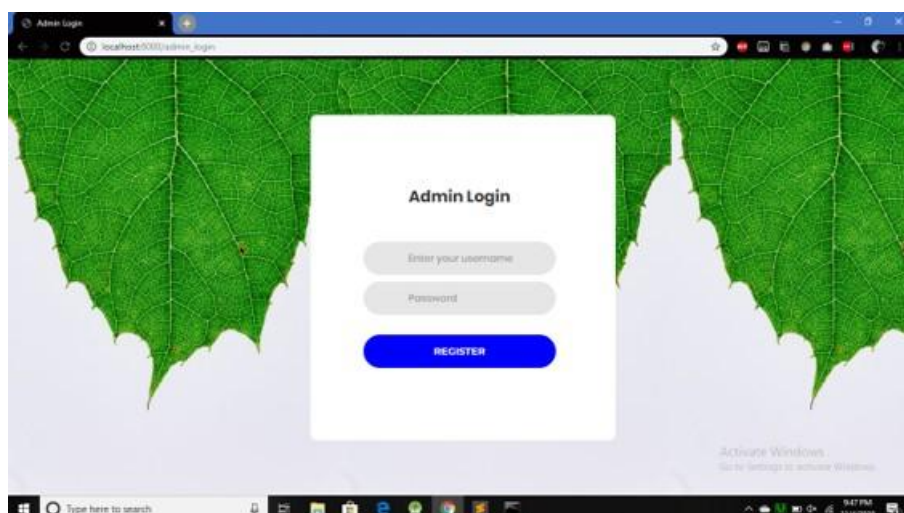


This is the User Login page.

On providing the correct user and password the user will be directed to home page.

New users can register using the hyperlink.

#### Admin Login:

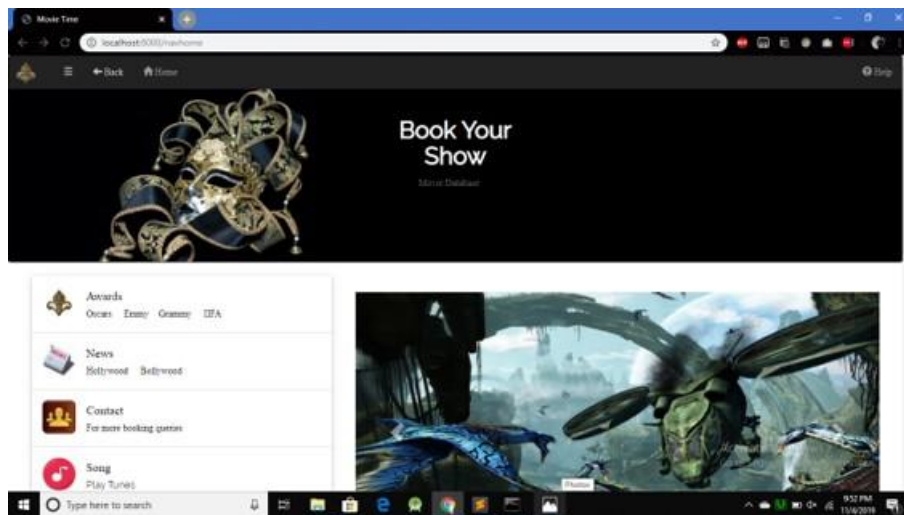


This is the Admin Login page Every user details can be accessed from this.

Here Privileged control is provided.

Admin can remove or add various theatres and movies.

## Home:



The home page or main blade of the website available for the users.

## View Products

User Login enables the main page of the website.

It consists of navigation bar, carousal for choosing genre, movie, ticket booking, help, contact details, awards, song selection etc.

## Awards:



Award page gives insight to users on Oscars, Grammy, Emmy & IIFA awards.

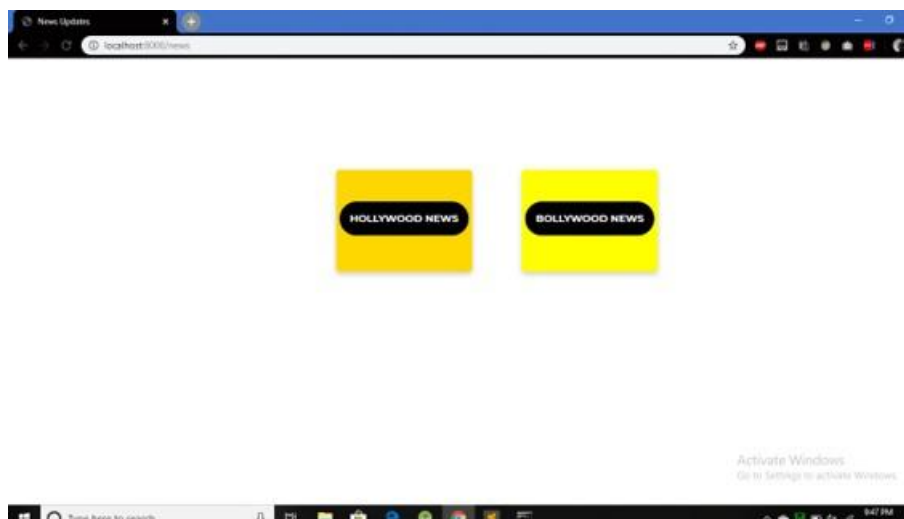
## Change Database and Bookings:

Sample page in awards selection.

Choose category of awards provided.

Links are given to Wikipedia and official Oscars website.

## News And Trending:

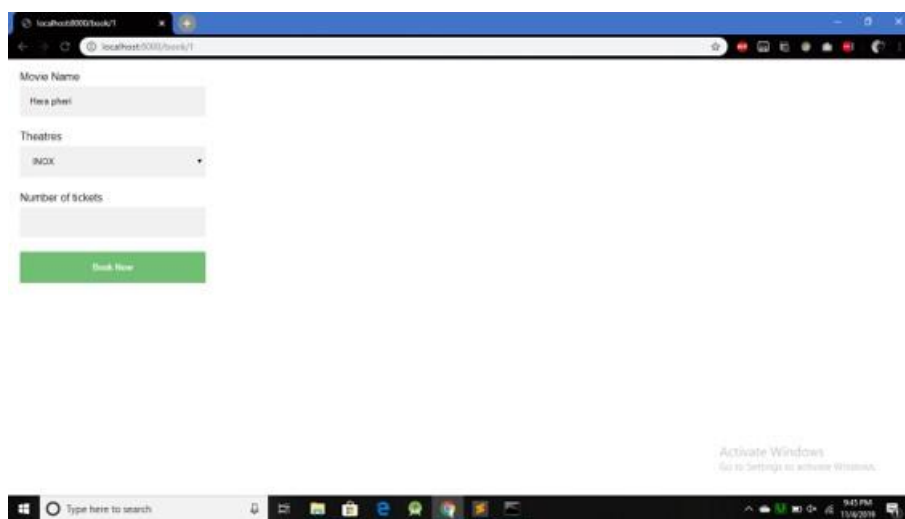




This Page provides links to the trending news website and is categorised to two based of Hollywood or bollywood.

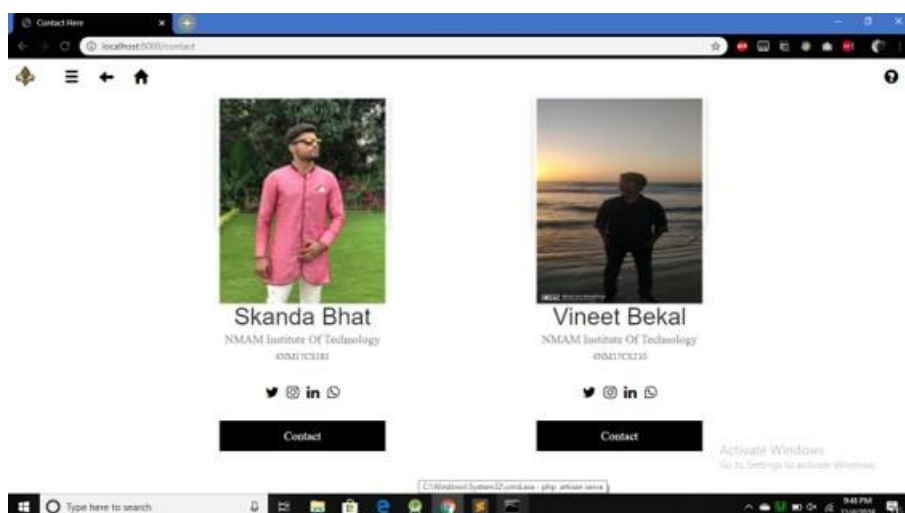
The redirection links are to bollywoodnews.com and hollywoodlife.com.

## Book Tickets:



This is the user booking page where each registered user can book the tickets based on movie name theatre and can also change the number of tickets that is booked.

## Contact Us:



This page provides information on the developers of the website and any queries of the user can be resolved by contacting any of the developers directly.

## Admin Control:



This page is Admin Home page.

All Booking control and confirmation is done here.

This page has privileges to add/remove theatres, movies and bookings.

## View Bookings:



Here the customers can view seats available and can also cancel the booked seats.

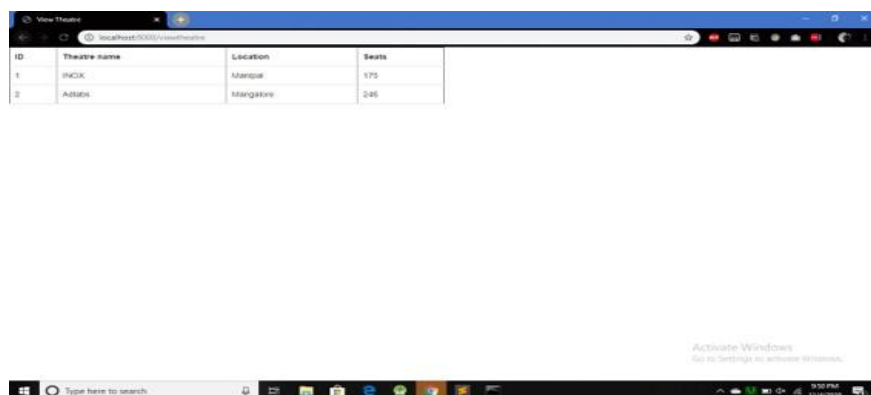
## Add Movie:



The screenshot shows a web browser window with the address bar displaying 'localhost:5000/addmovie'. The page title is 'ADD MOVIE'. The form contains three input fields: 'ABCD' in the first field, 'Action' in the second field, and '8' in the third field. Below these fields is a blue 'ADD' button. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date '15/4/2018' and time '9:47 PM'.

If the owner wants to add a new movie then this page can be made us of

## View Theatre:



The screenshot shows a web browser window with the address bar displaying 'localhost:5000/viewtheatre'. The page title is 'View Theatre'. It displays a table with the following data:

ID	Theatre name	Location	Seats
1	INCKK	Mangal	175
2	ABDEK	Mangalore	245

The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date '15/4/2018' and time '9:50 PM'.

Using this page the customers can view theatres near by and the available seats in each

theatre.

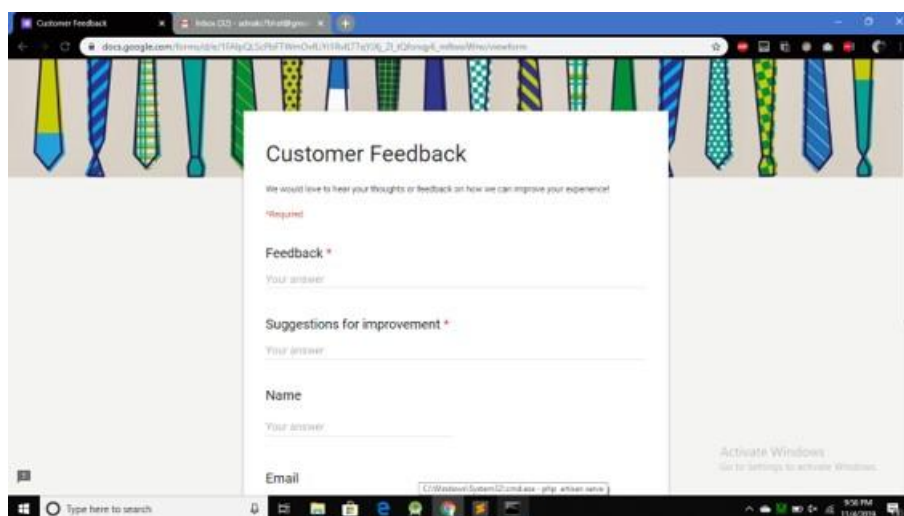
## Add Theatre:



The screenshot shows a web browser window with a single tab titled 'Add Theatre'. The address bar shows a local file path. The main content area is titled 'ADD THEATRE' and contains a form with three input fields: 'Cinopsis', 'Mangalore', and '300'. Below these fields is a blue 'ADD' button. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date and time (9:58 PM, 11/4/2019).

If a new theatre has come into the city then the owner of the theatre can gain recognition using this page by giving required information about his theatre.

## Customer Feedback:



The screenshot shows a web browser window with a single tab titled 'Customer Feedback'. The address bar shows a Google Drive link. The main content area has a header with a row of colorful ties. Below the header is a form titled 'Customer Feedback' with the text 'We would love to hear your thoughts or feedback on how we can improve your experience!'. The form contains four input fields: 'Feedback \*', 'Suggestions for improvement \*', 'Name', and 'Email'. Each field has a 'Your answer' placeholder. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date and time (9:58 PM, 11/4/2019).

The customers can give their feedback or suggest for further improvement.

## CONCLUSION

The “**MOVIE BOOKING AND DATABASE**” is successfully designed and developed to fulfilling the necessary requirements as the system is very much user friendly, form level validation and field level validation are performing very efficiently. The present project has been developed to meet the aspirations indicated in the modern age.

**MOVIE BOOKING AND DATABASE** is a web application developed as a handy one-stop destination for a user who is interested to see the ratings, trailers, show times and streaming information of movies. It is successful in meeting the application requirements and there is a lot of scope for future development. The system is strong enough to withstand operations under conditions where the database is maintained. The implementation of the system in the organization will considerably reduce data entry and time.

## REFERENCES

1. [www.stackoverflow.com](http://www.stackoverflow.com)
2. [www.youtube.com](http://www.youtube.com)
3. [www.w3schools.com](http://www.w3schools.com)