

Online Movie Ticket booking System

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Approval Certificate

This project titled "**Online movie ticket booking system**" submitted by [**Nur-E-Sava Tazin**], Student ID: [**012163015**], has been accepted as Satisfactory in fulfillment of the requirement for the degree of Master of Science in Computer Science and Engineering on January,2018.

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Declaration

This is to certify that the work entitled "**Online movie ticket booking system**" is the outcome of the research carried out by me under the supervision of Dr. Nurul Huda the coordinator of MSCSE of United International University. Dhaka, Bangladesh

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Abstract

Online movie ticket booking system is a web based ticket booking system. Now a day's people are very much dependent on internet. They like to do every day to day life chores or necessities in online because it is more easier and hassle free. If people want to watch any movie they will book the ticket in online. They don't need to go to theatre to buy or there is no hassle that they will get the ticket or not. So thus it will be tension free. There will be no hassle that they will get the desired ticket or not. So it is more convenient for people. Every person want to get their work done easily and without any hassle that is why this online movie ticket booking system is very much significant thing in our day to day life. Without this online thing you have to go through all the hassle and end of the time you are not sure that you will get the ticket or not. So in recreation or entertainment time you have to worry where by this online system you don't have to be worried. You just need to book the ticket online even by sitting at your home or office or from anywhere. Yes, that is so easy. So this online movie ticket booking system will make your recreation time smoother.

Acknowledgement

Firstly I would like to thank the almighty Allah for blessing me to write this project and to help me to reach my goal.

I am grateful to my supervisor the honorable professor Dr. Nurul Huda, the prominent person of the Department of computer science and engineering of United International University, Dhaka. Honorable coordinator of MSCSE of UIU so today I will meet the end line of my project. Though the track of this project was not smooth to me, it is you whose intelligence, comprehension, unconventional direction has made me strong and gave belief to cover my potential, your endless patience and constructive direction has shown me the path to finish my project successfully.

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Chapter 1

Introduction

Movies are contemplated to be a fundamental part of big cities, cities and towns and they bestow to the definition of a regional geography and name. Movie-going is one of the most demanding outdoor cultural activities, seriously affecting social, economic and cultural circumstances in modern societies. They also give the protection of the common memory, since they compose a notable social and cultural application connected to a proper place, which proceeds as a general source or indicator for various human beings.

- Objective:

The objective of my project is very simple but important also and that is I want to give a simple solution of recreation or entertainment to mass people. To give a ethical system to them to make their recreational time more smoother.

- Motivation:

The moto of this system is to reach people in a new level of internet using which is very useful. People are too much dependent on Internet. So my motivation is to use it in a good way which will help us in our day to day life not just to waste our time by using it.

- Layout:

This system has two layout which is admin panel and the website. In the website user can find all their information about the movies, shows and theaters and in admin panel admin can entry all the data.

Chapter 2

Background and Literature Review

2.1: Introduction of the system

This system provides you the ultimate easy solution of booking ticket through online. It will improve the traditional process of ticketing. Not only improve it will change the whole era of movie ticket system. It will show the new release movie information. You will get to know all the details about the movie. You will know about the theatres. you will know about the available show time of the movie. It will also save your purchase history so thus it will track that how many movies you have been watched. After selecting the desired movie you just have to buy the ticket then print the ticket then you have to take it to the theatres and then they will confirm the ticket. Then it's done. Thus you don't have to wait in a queue to buy the ticket. Yes its that much simple.

2.2 Problem of the traditional system

We all know that manual systems are very backdated and time consuming. Moreover People are not into the manual or traditional things anymore. They are more into the online things. So that is also a big issue.

Drawback of the old system:

1. Slow Processing
2. Time consuming
3. Not confirming
4. Not hassle free
5. No way to keep records
6. No easy solution

There are basic problem of the traditional system which are still following by a large number of people. But still there is no proper solution for this problem.

2.3 Span of Online movie ticket booking system

This system is designed for the mass people who are very much movie going person. As we all know movie is one of the big recreation option of our life. So there is huge scope of this system which will change the life of the peoples. The system is very secured. There is password protected account system. There is movie section, theatre section and ShowTime section. Even without buying any ticket you can through the website just to see what movie is showing or what movie is upcoming. You will also get to know the details about the movie.

Even this system is very much user friendly. Any naïve user can operate this system very smoothly. The system does not take that much time. It works very smoothly. It will track all the data. Even the user interface is also very friendly and familiar. Its not that much hard to understand. Any person even who does not know how are the things works they also get to understand very easily.

So, after all everything we can say that there is huge scope of this online movie ticket booking system. If it reaches to the mass people they will love it. It will be very useful to their day to day life.

2.4. Movie Ticket Booking over the Internet

This online system allows users to select their shows, book their tickets. This confirmed them a ticket even before they reach at the movie theatres.

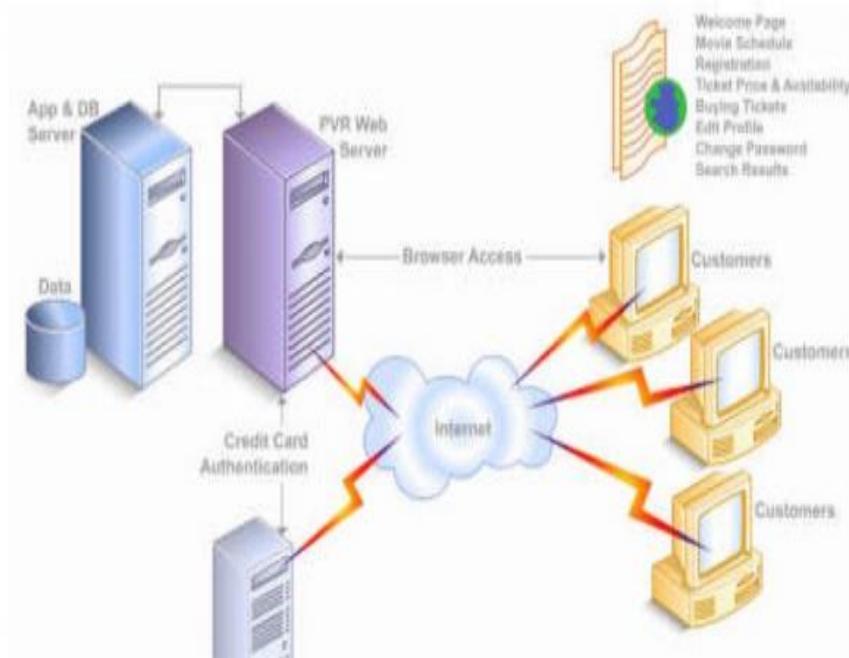


Fig 2.3 Internet booking

2.4 The Technology Design

This system is outlined to run specifically on the web apache's server and all other operating systems that make use of this technology. This System is platform independent with the use of WAMP server which is the combination of Apache, PHP and the MySQL database.

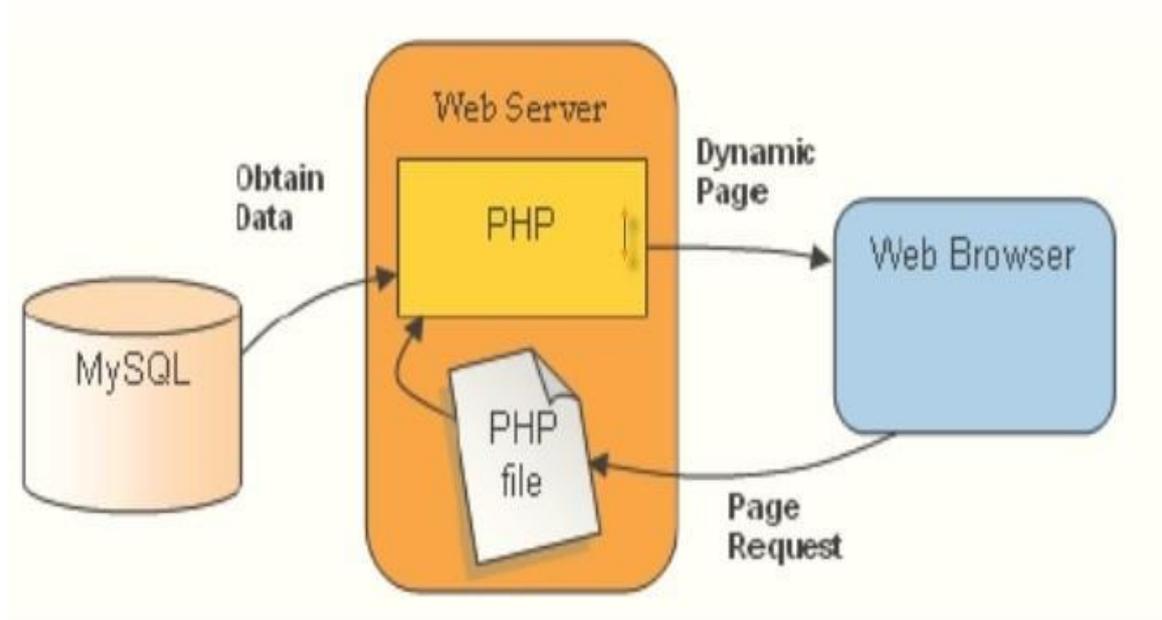


Fig 2.4 Technology Design

2.5 Architectural Design

2.5.1 Architectural Design

The proposed system is a website built on client-server architecture that permits user to get all the relevant information by accessing the site from anywhere, anytime via web browser. The system also consists of two layers, client and server layers.

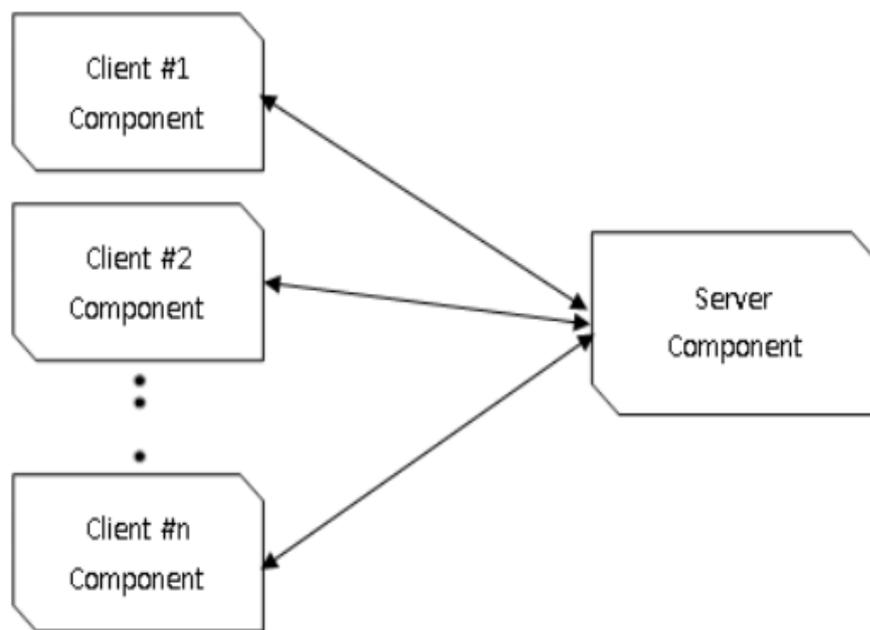


Fig 2.5.1 Architectural Design

2.5.2 Architectural Framework

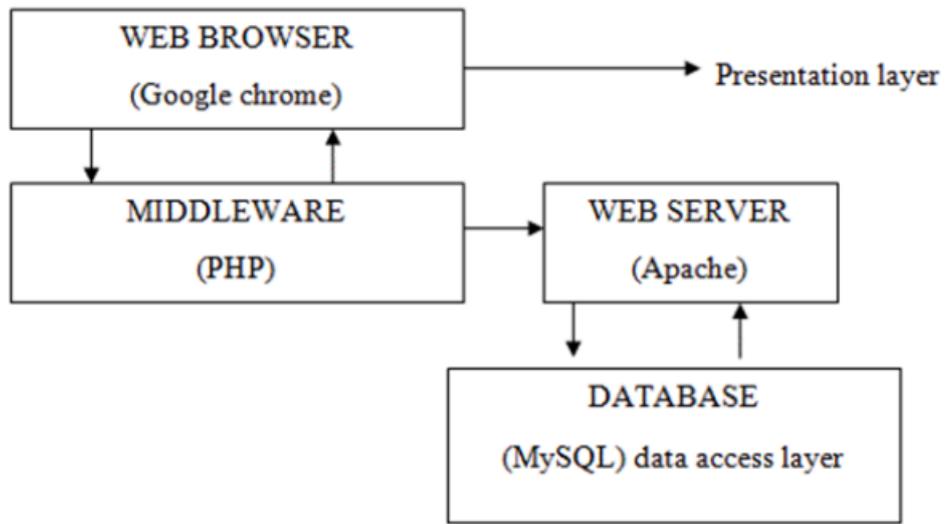


Fig: 2.5.2 Architectural framework of the proposed system

2.6 Use Case Diagram of the System

2.6.1 Use Case Diagram

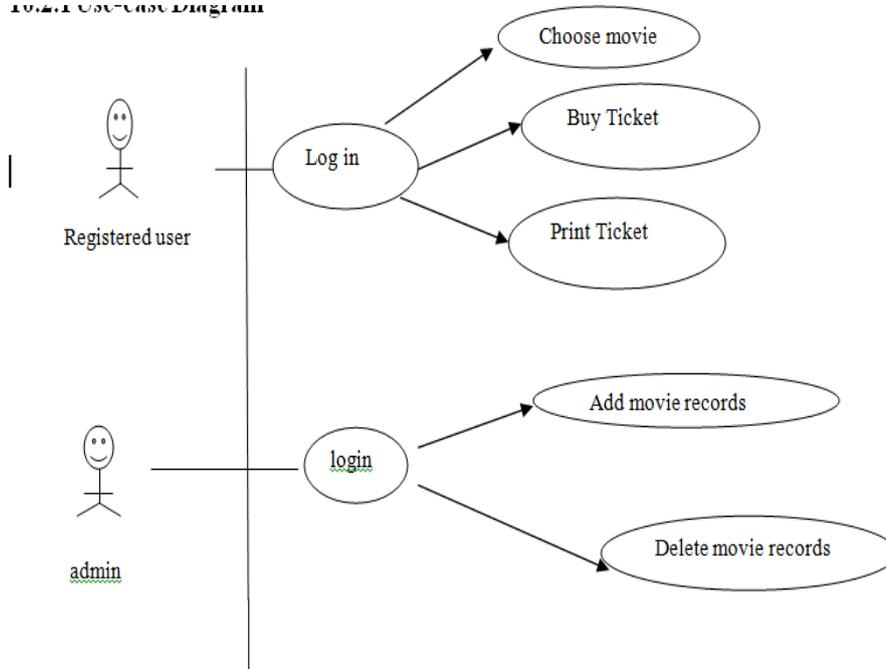


Fig: 2.6 Use Case Diagram

2.7 Benefits

This online movie portal has benefited in many ways out of which a few have been outlined below:

- Getting all the movie related information, promotional news and many other movie related things.
- Trusted and quick system of online ticket booking through website, by which the customer will be more repeatable and it will also shorten the queue of the movie theatres.

2.8 Proposed System

We propose a system which is more easy, entertaining and easier than the present system.

- The ticket is assured before going to the theatre if people book the ticket online.
- The theatre staff does not need the manual ticketing staff anymore. People will come with printing ticket which they booked online previously and they will just confirm it by taking the cash or card payment.
- This system basically offer this solution to that people who does not have enough time to go movie theatre t buy their ticket or cannot wait in a queue to buy ticket. That's why this system will be so easy for them to buy the ticket and watch the movie.

Chapter 3

Requirement Specification

3.1 Software Requirements Specification

3.1.1 Collection of requirements

In collateral with stating the data requirements, it is useful to specify the known functional requirements of the application. These composed of user defined operations that will be applied to the database. The functional requirements are used as a origin of application software design.

Requirements analysis is tender in order to comprehend the problem, which is to be resolved. That is very important act for the development of database system. The data requirements are used as a origin of database design. These requirements should be explained in as full and complete configuration as feasible.

The Data-requirements are given as follows:-

User Module

- **User Registration**
 - User Register with Name, A Username, Password, E-mail address.
- **User Login**
 - User Can Book the Ticket After Log in.
 - User Login with User Name and Password.
- **Check Availability**
 - After Login, User, Can Search Movie from Movie List
 - If Ticket is Available User Can Book Ticket.
- **Book Ticket.**
 - Book ticket by specifying username.
 - Then click the buy ticket button.
 - Then it will add on the ticket purchase history. Then click the print button to print the ticket. Then it is done.

Admin Control:

- **Admin User Login**
 - Admin can Login with Admin User Name and Password.

- **Show Manage.**
 - Admin Can Add Show Name and Show Time.

- **Movie Manage.**
 - Admin Can Add New Movie.
 - Admin Can Delete Movie.

3.1.2 FUNCTIONAL REQUIREMENTS

1. There should be a process in which both the admin and customer can login to the website and can do others operation.
2. There will a “point and click” method for committing the order for the customer.
3. According to the data which will be selected by the user by that via a query The ShowTime of the movies will be generated.

3.1.3 SOFTWARE AND HARDWARE REQUIREMENTS

- Intel core i3 2nd generation is used as processor because it is faster & provide reliable and stable working environment.
- A RAM size of 4 gb is used as it will provide fast reading & writing capabilities.
- Operating system: Windows 10
- My SQL, Java, js, spring boot, boot strap, HTML, CSS.

3.2 CONCEPTUAL DESIGN

Once all the requirements have been collected and analyzed, the next step is to create a conceptual design for the database, by using a high-level conceptual data model.

This phase is the conceptual design. The result of this phase is an Entity Relationship (ER) diagram. This specific application area is high level data model.

It represents how various entities (objects, items) are related to each other. It also shows what attributes each entity has. It includes the definitions of all the concepts of the application area.

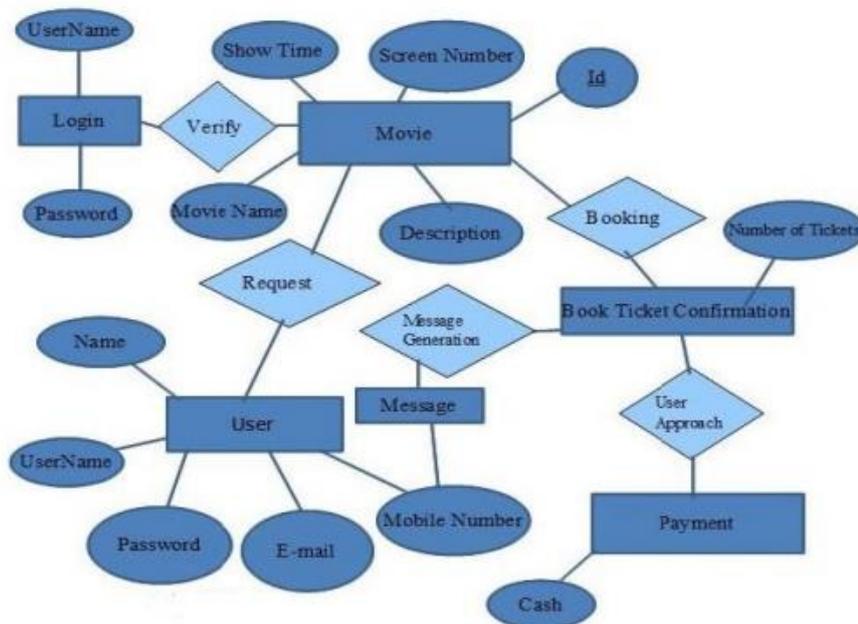


Fig: 3.2.1 ER diagram

3.3 Logical Design

While composing the logical design part, we applied relational data model. To do this, we distinct to use MySQL Server.

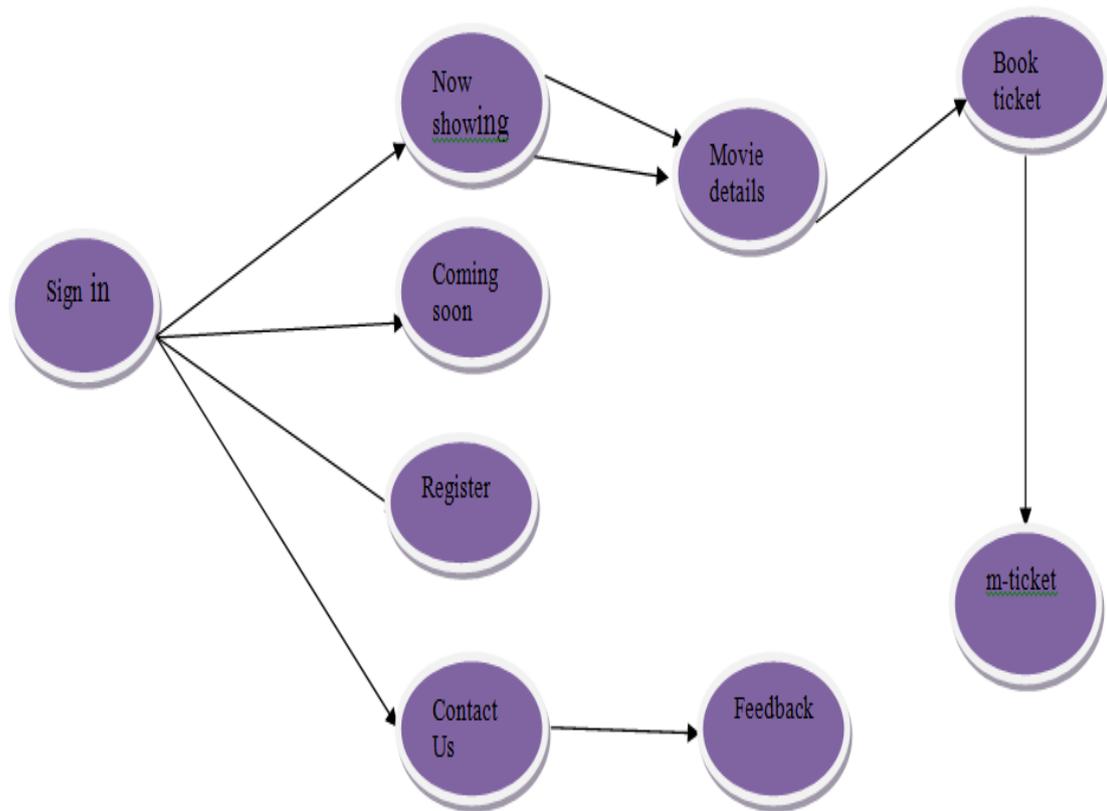


Fig: 3.3.1 Data flow diagram

Class diagram

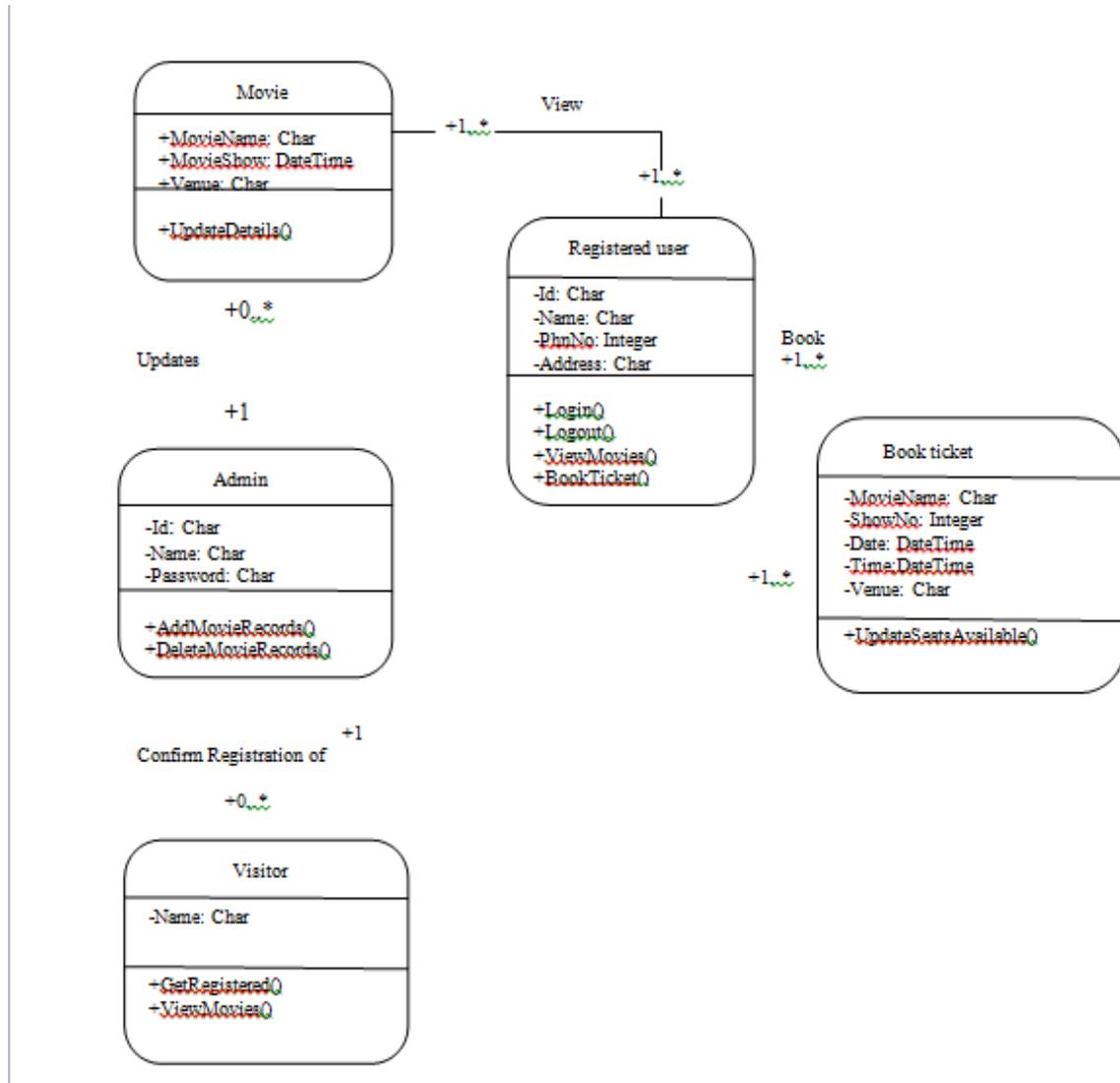


Fig: class diagram

Activity Diagrams

1. Booking Tickets

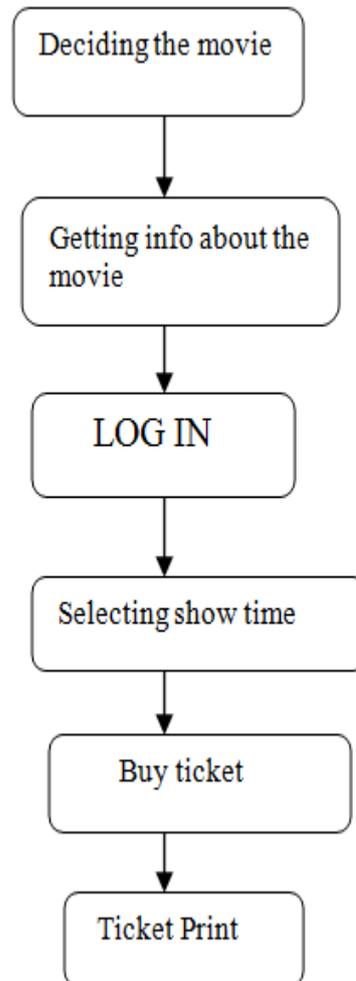


Fig 3.3.2 Activity Diagram 1

2. Issuing Tickets

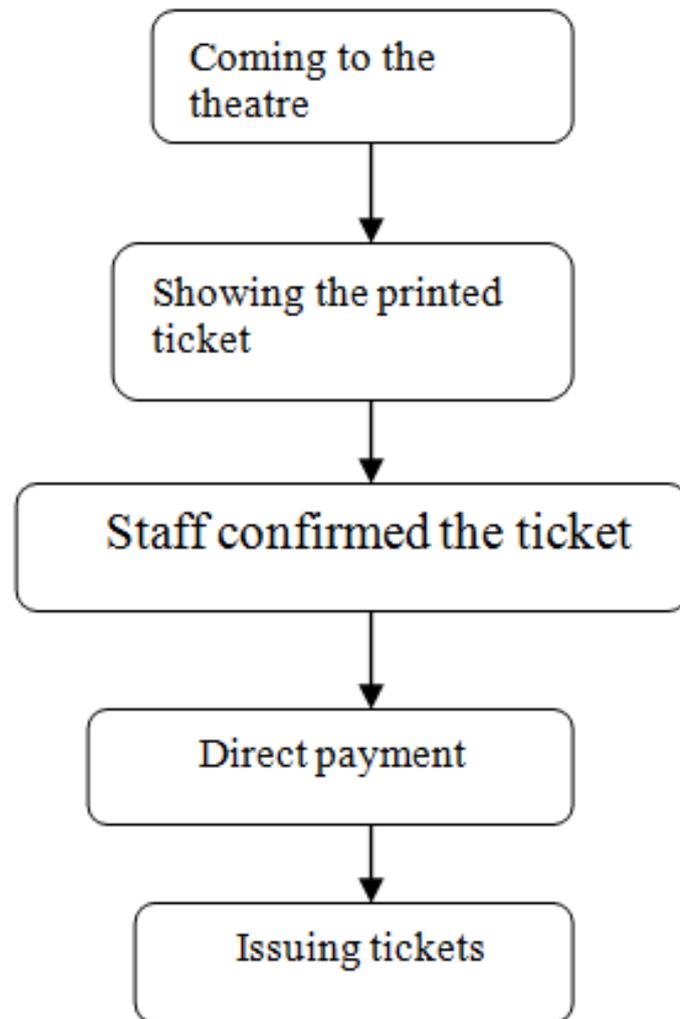


Fig 3.3.3 Activity Diagram 2

3.4 IMPLEMENTATION

There are different systems tools that have been used in developing both the front end, back end and other tools of the project are being discussed in this chapter.

3.4.1 FRONT END:

JSP, HTML, CSS, JS, SPRINT BOOT, BOOT STRAP are used to implement the frontend.

Java Server Page (JSP)

HTML (Hyper Text Markup Language)

CSS (Cascading Style Sheets)

JS (Java Script)

PHP

3.4.2 BACK END

For the back end implementation MySQL is used and that is used to design the databases.

Chapter 4

Results

User Interfaces

4.1 First Screen

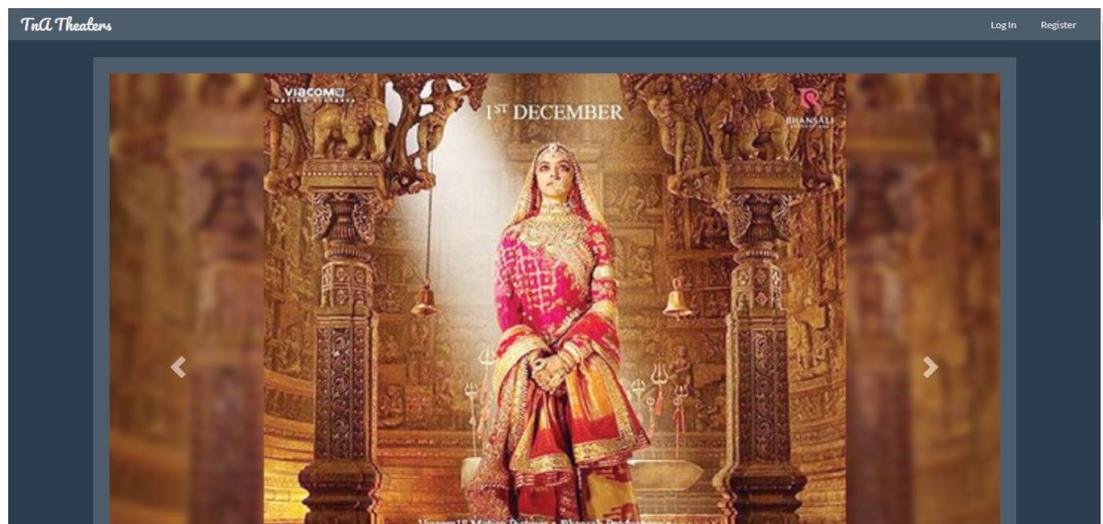


Fig: 4.1 Home Page

This is the first screen of the website.

4.2 Ticket Booking Interface

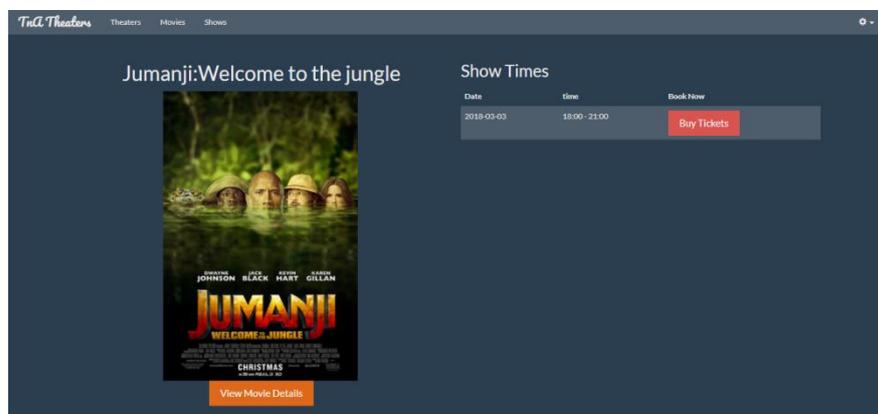


Fig: 4.2 Ticket booking Page

4.3 Admin login

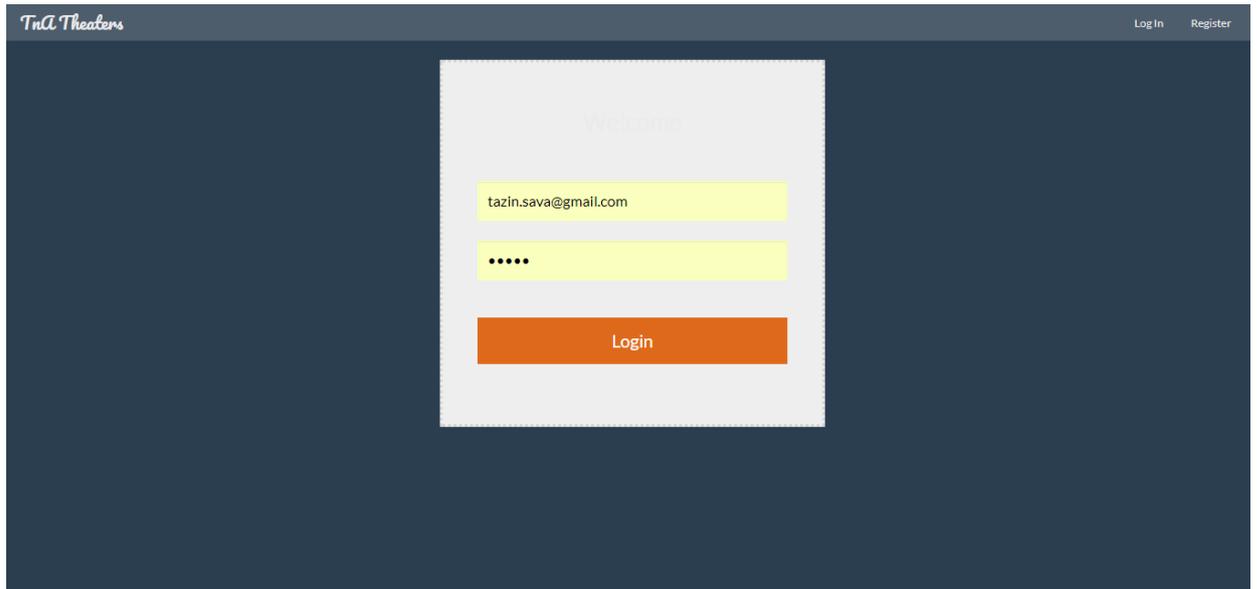


Fig: 4.3 Admin login

4.4 User Register & Login

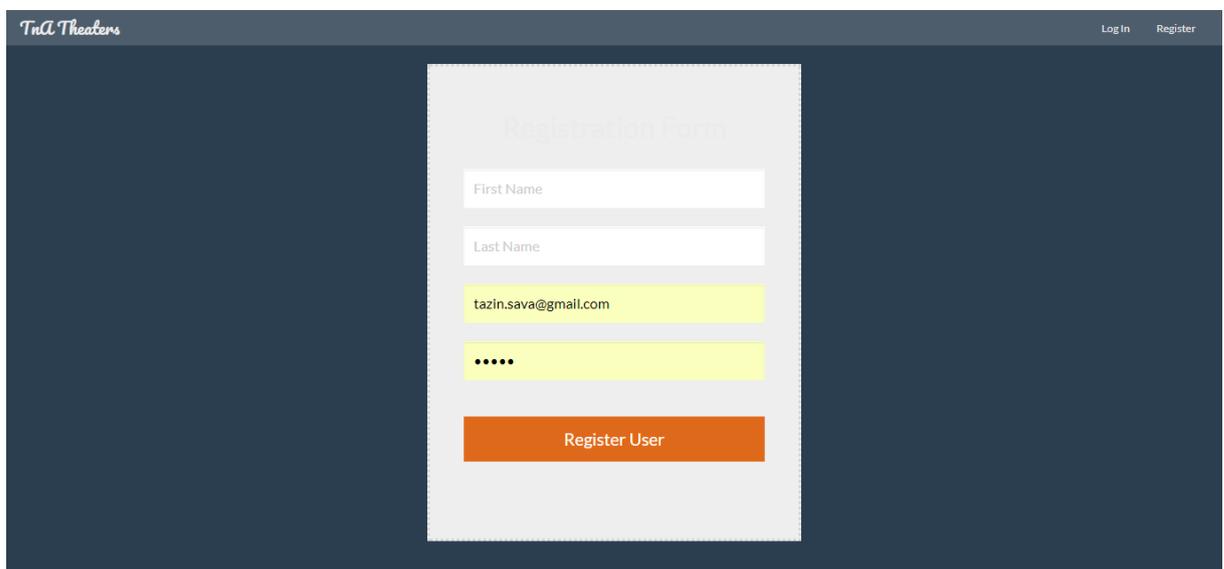


Fig: 4.4 User register & login

4.5 Admin Control (Add / Delete Movies)

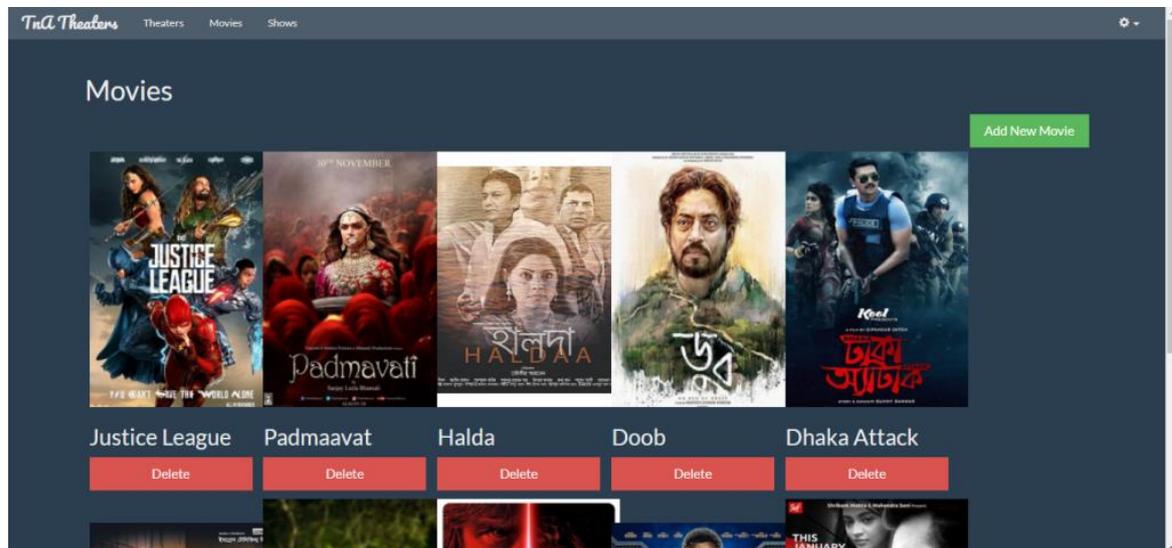


Fig : 4.5 Admin Control (Add / Delete Movies)

4.6 Admin Control (Add New Shows)

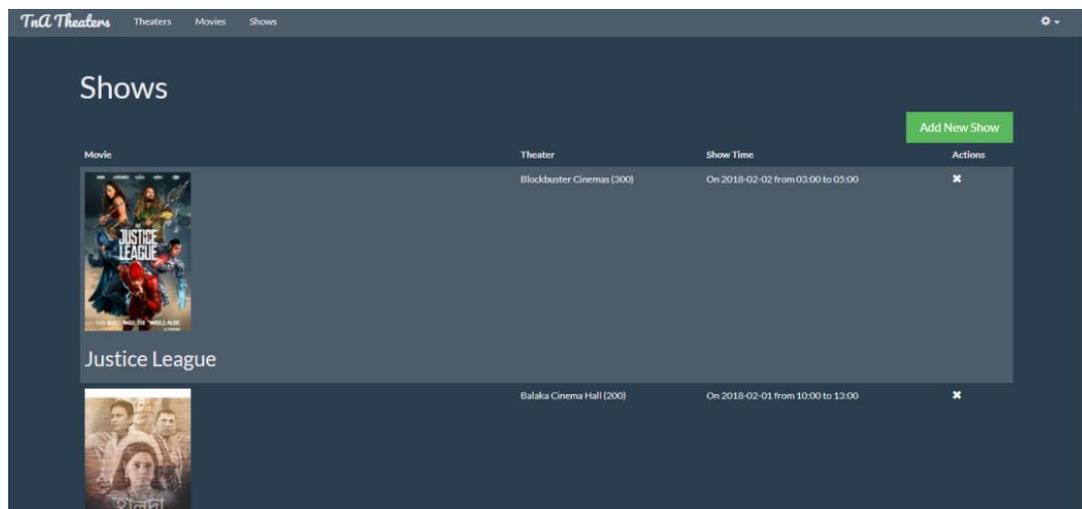


Fig: 4.6 Admin Control (Add New Shows)

4.7 Admin Control (Add New Theaters)

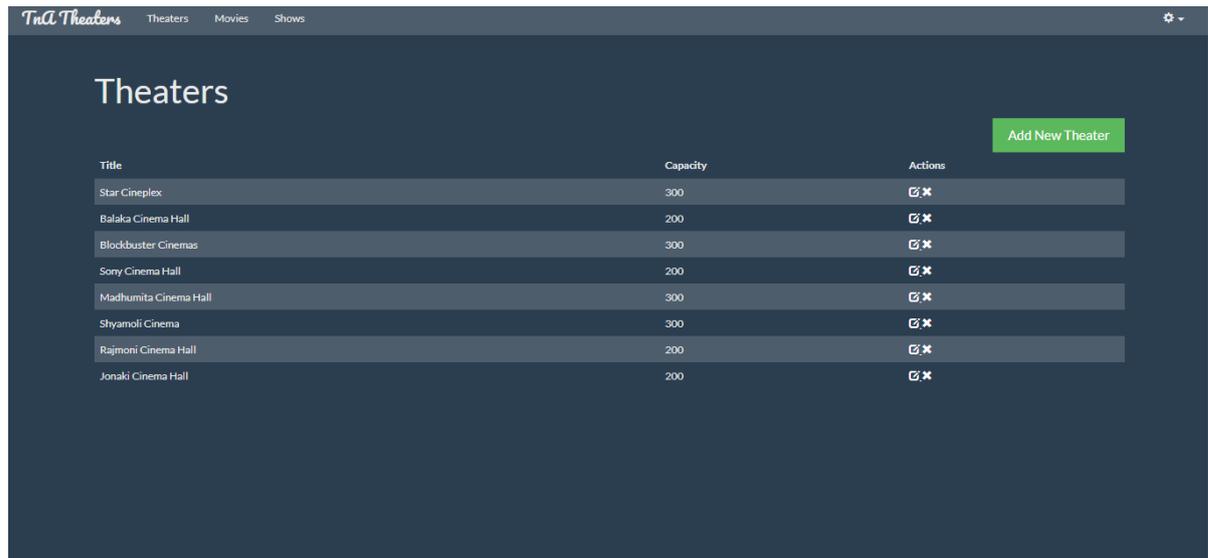


Fig : 4.7 Admin Control (Add New Theaters)

Chapter 5

Software Testing:

Software testing is basically a investigation way to test that how the software is working or there is any problem in the software. After testing the software it also give you an idea that how the software is performing. Otherwise without testing there is no other way to understand that how the things are going. So basically by testing you are getting a feedback about the software.

To corroborate and to confirm the software or product or the system this test is applied:

1. Anticipated working
2. To implement, features can be same
3. The guided design and development encounter the requirements
4. Content the needs of stakeholders

There are many types of testing that is :

- White box Testing
- Black box Testing
- Grey box Testing
- Visual Testing

The software testing depends on the method of testing. It can be implemented at any time of the programming process. There are no bindings. In this system we have used the visual testing. We have test all the screens and functional accuracy. In visual test it will also the visualize rather than also describing it, So it's clear all the problems and confusion.

Chapter 6

6.1. Conclusion

Now-a-days the traditional booking of movies is very backdated. People are more into online things. People need easy solution. They are controlled by the internets through this online booking system we can make internet useful to us. Its controlling people but by using this in our day to day life to make our life easier thus we can assure that internet will not ruin our time.

Yes in this online movie ticket booking system there were some lacking and limitations. But we always think about a user friendly and simple solution system and I hope the system is just like that.

6.2.Future Plans

- Bengali version of web
- Make this system more easier to mass people
- Make this system more user friendly

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