CHAPTER 1

INTRODUCTION

The main aim of this project project movie ticket booking system is a best way of ticket booking for cinema halls tickets and enquiries about availability of the tickets. This movie ticket booking system is very helpful for customers because it can be used by any person.

1.1 OBJECTIVES OF THE SYSTEM

The project aims to maintain the day to day state of movie bookings. It is designed to achieve the following objectives:

1. To computerize all details regarding movie ticket booking.
2. To reduce manual work and build an application program with only the admin having access to all functionalities.
3. To track all details about booking, shows, seatings, customers etc
4. To display the ticket to the user once a booking is made, so that they can show the same while entering the theatre.
5. To implement smart India, using only card payment methods.

1.2 LIMITATIONS OF THE SYSTEM

Although best efforts have been put in to make the software flexible, easy to operate but limitations cannot be ruled out. Though the software presents a broad range of options to its users, some intricate options could not be covered into it; partly because of logistic and partly due to lack of sophistication. Paucity of time was also major constraint, thus it was not possible to make the software foolproof and dynamic. Due to lack of time, some parts have been ignored

Considerable efforts have made the software easy to operate even for the people not related to the field of computers but it is acknowledged that a layman may find it a bit problematic at the first instance.

CHAPTER 2

STUDY OF EXISTING SYTSTEM

2.1 A CASE STUDY ON MOVIE TICKET BOOKING SYSTEM

BACKGROUND AND REQUIRED SYSTEM GOAL

To enable customers to place advance bookings, it is decided to put in place a Movie Booking System to replace the current system. The goal of Movie Ticket Booking system is to enable customers to purchase cinema tickets in advance while still offering customers the traditional purchase of tickets on entry to the cinema requirement.

Initial analysis reveals that system actors include:

- Guest user
- Customer
- Admin

Initial analysis also reveals the following use case scenarios:

On entry to the Cloud Nine Cinemas booking system, the customers provides their payment card number and pays the amount as per the seating cost, once booking is made, a ticket is generated which is to be shown for entry to the theatre.

2.2 PROPOSED SYSTEM

A system is proposed which is more reliable, entertaining and easy than the present system. Our solution targets those users who do not have spare time to stand in queue for booking tickets. We propose an easy way of ordering and paying for the tickets without any delay and inconvenience. Book tickets to people who, without his physical presence is assured of a ticket before going to the theatre. No longer issue tickets to staff at the multiplex complex manual ticket availability and tracking system is needed. Ticket information can be accessed at any time for verification, which is safely stored in a database.

CHAPTER 3

DATABASE DESIGN

3.1 SOFTWARE REQUIREMENT SPECIFICATION

3.1.1 COLLECTION OF REQUIREMENTS

a. Ease of installation, deployment and use

SQL server includes a set of administrative and development tools that improve your ability to install, deploy, manage and use of SQL server across several sites.

b. Data warehousing

SQL server includes tools for extracting and analyzing summary data for online Processing. SQL server also includes tools for visually designing databases.

3.1.2 SOFTWARE AND HARDWARE REQUIREMENTS

SOFTAWARE REQUIREMENTS

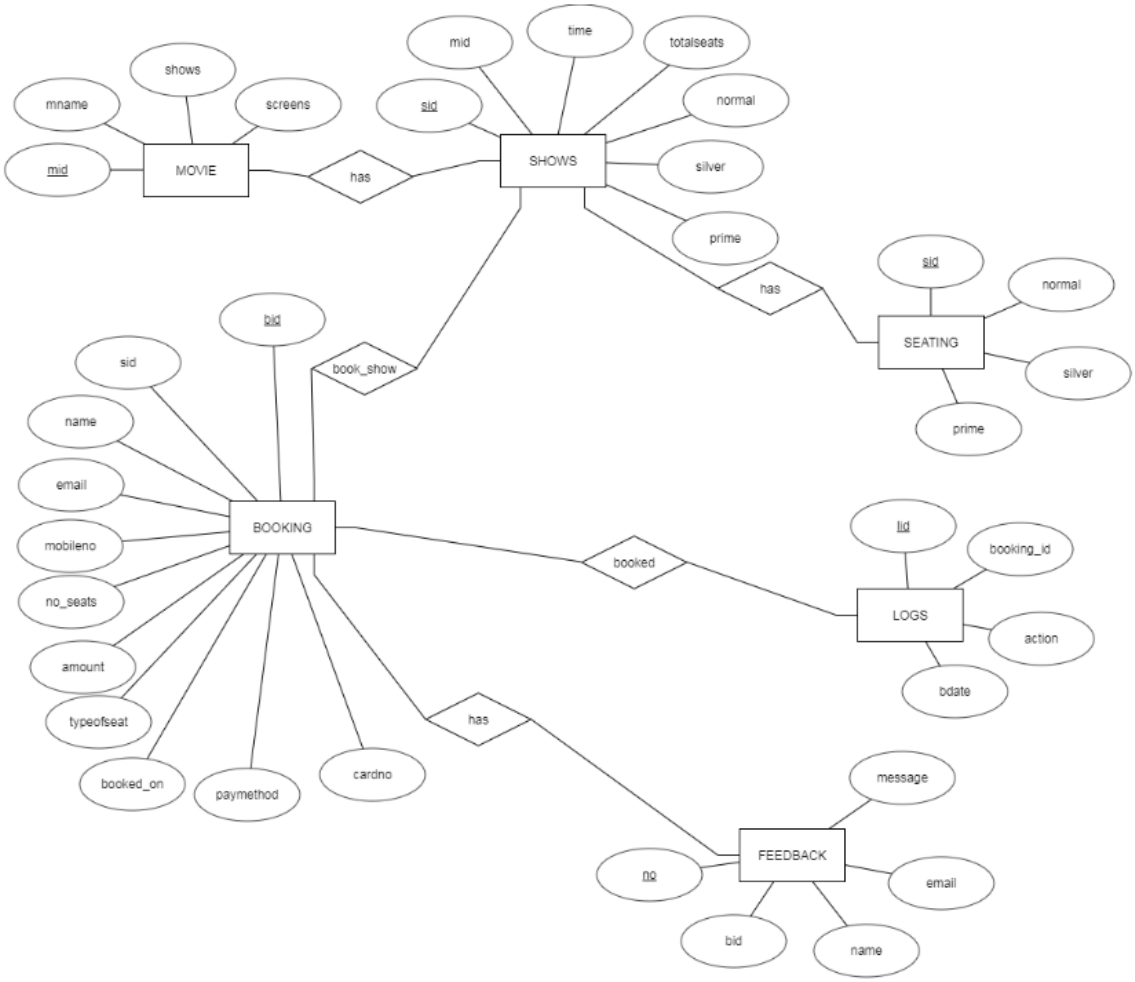
1. Operating system - Windows XP/2007/2010
2. Application server - XAMPP
3. Front end - Html, PHP
4. Database - SQL
5. Database connectivity - PHP

HARDWARE REQUIREMENTS

1. Processor - Pentium-IV
2. Speed - 1.1 GHz
3. RAM -256 MB
4. Hard disk - 20 GB

3.2 CONCEPTUAL DESIGN

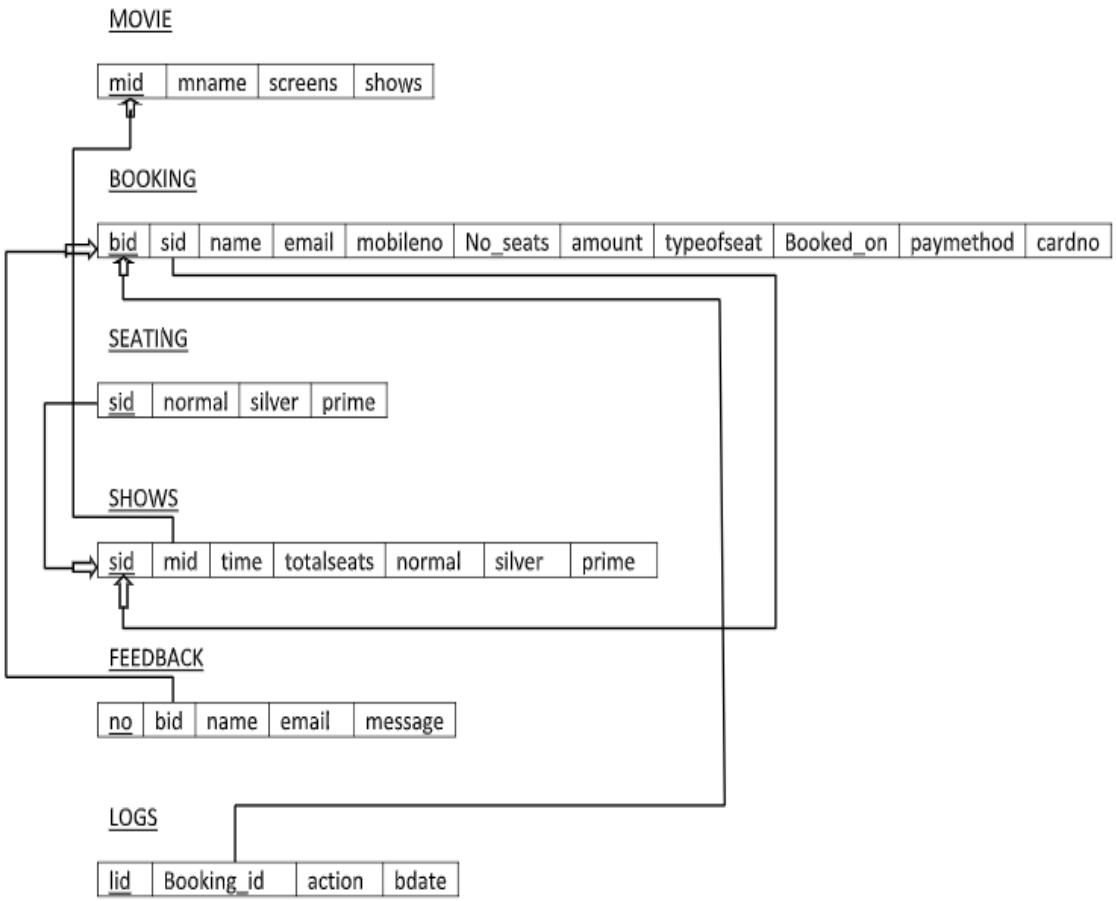
3.2.1 ER DIAGRAM



The above figure shows the ER diagram of the Movie ticket booking system which basically explains the workflow of the system. The main entities of movie ticket booking system are movie, shows, booking, suggestions, seating, ticket.

It is used to define the relationships between structured data groups of the movie ticket booking system functionalities.

3.2.2 SCHEMA DIAGRAM



3.3 IMPLEMENTATION

Implementation is a stage in the project where the theoretical design is turned into a working system and is giving confidence on the new system for the users, that it will work efficiently and effectively. It involves careful planning, investigation of the current system and its constraints on implementation, designs of methods to achieve the changeover, an evaluation of change over methods.

According to this plan, the activities are to be carried out, discussions made regarding the equipment and resources and the additional equipment has to be acquired to implement the new system. Implementation is the final and most important phase.

3.3.1 FRONT END

- The language used for the front end is a combination of HTML and PHP.
- The user interface in the front page shows all the movies for which a booking can be made.
- User books the movie of his choice in the desired time slot and once the payment is done, user is provided with a ticket with all the required information which should be shown before entry.
- The admin logs in to maintain and keep track of records such as bookings, logs, feedback, available seats etc.

ADMIN LOGIN CODE:

```
<!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">
    <meta name="description" content="Modal tutorial from BootstrapBay.com">
    <meta name="author" content="BootstrapBay.com">
    <title>CLOUD NINE MOVIES</title>
```

```
 <link href="css/bootstrap.min.css" rel="stylesheet">
    <link href="css/custom.css" rel="stylesheet">
    <link rel="stylesheet" type="text/css" href="css/styles.css">
    <link href="http://netdna.bootstrapcdn.com/font-awesome/4.0.3/css/font-awesome.css"
rel="stylesheet">
    <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet'
type='text/css'>
    <link href='http://fonts.googleapis.com/css?family=Oswald' rel='stylesheet'
type='text/css'>
  </head>
  <body>
<div class="col-lg-4 col-md-4 col-sm-4 col-xs-4">
      <div class="row">
        <div class="col-lg-2 col-md-3 col-sm-3 col-xs-2"><img class="img-circle"
src="images/40X40.gif"></div>
        <div class="col-lg-5 col-md-5 col-sm-5 col-xs-5">
          <h4><p><a href="http://localhost/movieticket" class="img-circle"
role="button"><span aria-hidden="true"></span><b>Admin login</b></a> </p></h4>
  </div>
</div>
</div>
    <!-- Fixed navbar -->
    <div class="navbar navbar-default navbar-fixed-top" role="navigation">
      <div class="container">
        <div class="navbar-header">
          <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target=".navbar-collapse">
            <span class="sr-only">Toggle navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
         </button>
          <a class="navbar-brand" href="#">CLOUD NINE MOVIES</a>
        </div>
```

```
    </div>
   </div>

   <div class="loginbox">
<img src="includes/pic2.png" class="avatar"/>
<h1>Admin Login</h1>
<form method="post" action="index.php">
<p>Username</p>
<input type="text" name="uname" placeholder="Enter your Administrative username"
required>
<p>Password</p>
<input type="password" name="pw" placeholder="Enter your password" required>
<input type="submit" name="adminlogin" value="login">
</form>
   </div>
        <!-- Fixed footer -->
   <div class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">
        <div class="container">
                <div class="navbar-text pull-left">
                        <p>Project by: <b>V.VARSHINI RAO</b> &
<b>VAISHNAVI.C.R</b></p>
                </div>
                <div class="navbar-text pull-right">
                        <a href="#"><i class="fa fa-facebook-square fa-2x"></i></a>
                        <a href="#"><i class="fa fa-twitter fa-2x"></i></a>
                        <a href="#"><i class="fa fa-google-plus fa-2x"></i></a>
                </div>
        </div>
   </div>

      <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
   <script src="js/bootstrap.min.js"></script>
  </body>
```

```
</html>
<?php
include 'includes/connect.php';
session_start();
if(isset($_SESSION['uname'])){
   header("Location: http://localhost/movieticket/admin/home_admin.php");
}else{
   session_destroy();
}
if(isset($_POST['adminlogin'])){
$uname=$_POST['uname'];
$pw=$_POST['pw'];
$query="SELECT * FROM admin WHERE uname='$uname' and password='$pw'";
$result=mysqli_query($conn,$query);

if(mysqli_num_rows($result)>0){
   session_start();
   $_SESSION['uname']=$uname;
   header("Location: http://localhost/movieticket/admin/home_admin.php");
}else{
   echo "<script>alert('Invalid password or username')</script>";
}
}
?>
```

3.3.2 BACK END

The language used for back end is SQL. The software developed, contains the following tables:

TABLE CREATION:

Database: `cloud9`

Table structure for table `admin`

```
CREATE TABLE `admin` (
  `id` int(5) NOT NULL,
  `uname` varchar(20) NOT NULL,
  `password` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Table structure for table `booking`

```
CREATE TABLE `booking` (
  `bid` int(5) NOT NULL,
  `sid` int(5) NOT NULL,
  `name` varchar(20) NOT NULL,
  `email` varchar(50) NOT NULL,
  `mobileno` bigint(12) NOT NULL,
  `no_seats` int(5) NOT NULL,
  `amount` int(5) NOT NULL,
  `typeofseat` varchar(20) NOT NULL,
  `booked_on` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `paymethod` varchar(20) NOT NULL,
  `cardno` bigint(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Table structure for table `feedback`

```
CREATE TABLE `feedback` (
  `no` int(5) NOT NULL,
  `bid` int(5) NOT NULL,
  `name` varchar(20) NOT NULL,
  `email` varchar(30) NOT NULL,
  `message` varchar(100) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Table structure for table `movie`

```
CREATE TABLE `movie` (
  `mid` int(5) NOT NULL,
  `mname` varchar(20) NOT NULL,
  `screens` int(5) DEFAULT NULL,
  `shows` int(5) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Table structure for table `seating`

```
CREATE TABLE `seating` (
  `sid` int(5) NOT NULL,
  `normal` int(5) NOT NULL,
  `silver` int(5) NOT NULL,
  `prime` int(5) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Table structure for table `shows`

```
CREATE TABLE `shows` (
  `sid` int(5) NOT NULL,
  `mid` int(5) NOT NULL,
  `time` time NOT NULL,
  `totalseats` int(5) NOT NULL,
  `normal` int(5) NOT NULL,
  `silver` int(5) NOT NULL,
  `prime` int(5) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

3.3.3 TRIGGER IMPLEMENTATION:

```
CREATE TRIGGER `insertlog`
 AFTER INSERT ON `booking`
 FOR EACH ROW insert into logs values(null, NEW.bid , 'New booking inserted',NOW());
```

The trigger is written to keep track of number of bookings. Each time a booking is made and a row inserted in bookings table, a log is created. A row in logs table will be added automatically showing the booking id, date and time of the new booking arrival.

3.3.4 STORED PROCEDURE

```
CREATE PROCEDURE `getfeedback`()
NOT DETERMINISTIC CONTAINS SQL
 SQL SECURITY DEFINER select * from feedback
```

The stored procedure is used to display contents of feedback table. To view the feedbacks given by users, we don’t have to write the whole code in PHP. Once saved as a stored procedure, it can now be called as many number of times as required using the following statement:

```
CALL `getfeedback`()
```

CHAPTER 4

USER INTERFACES

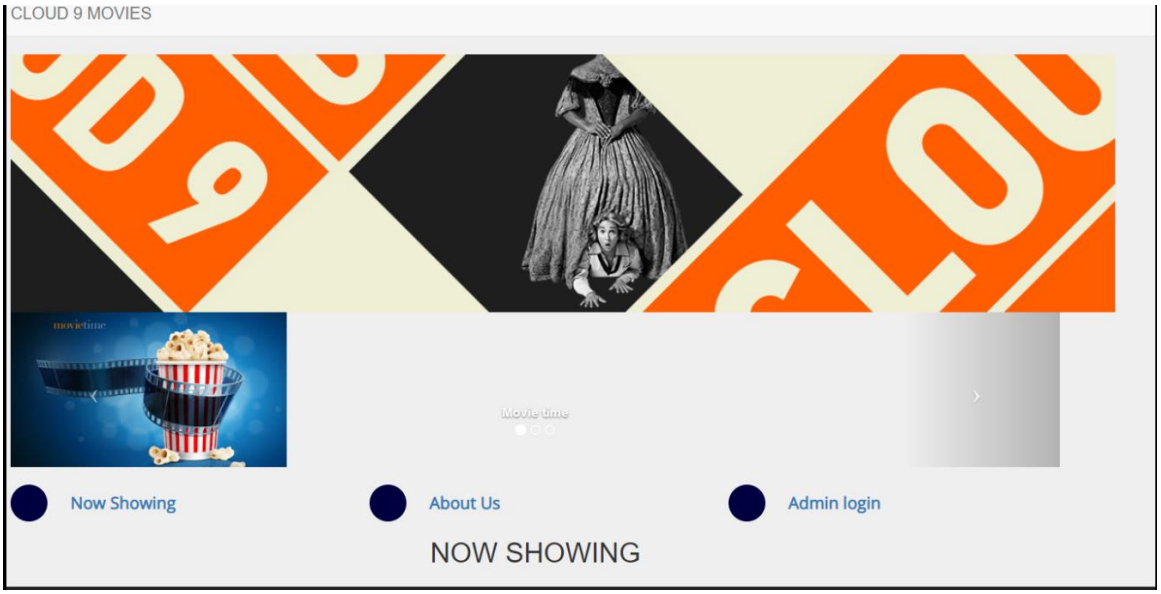
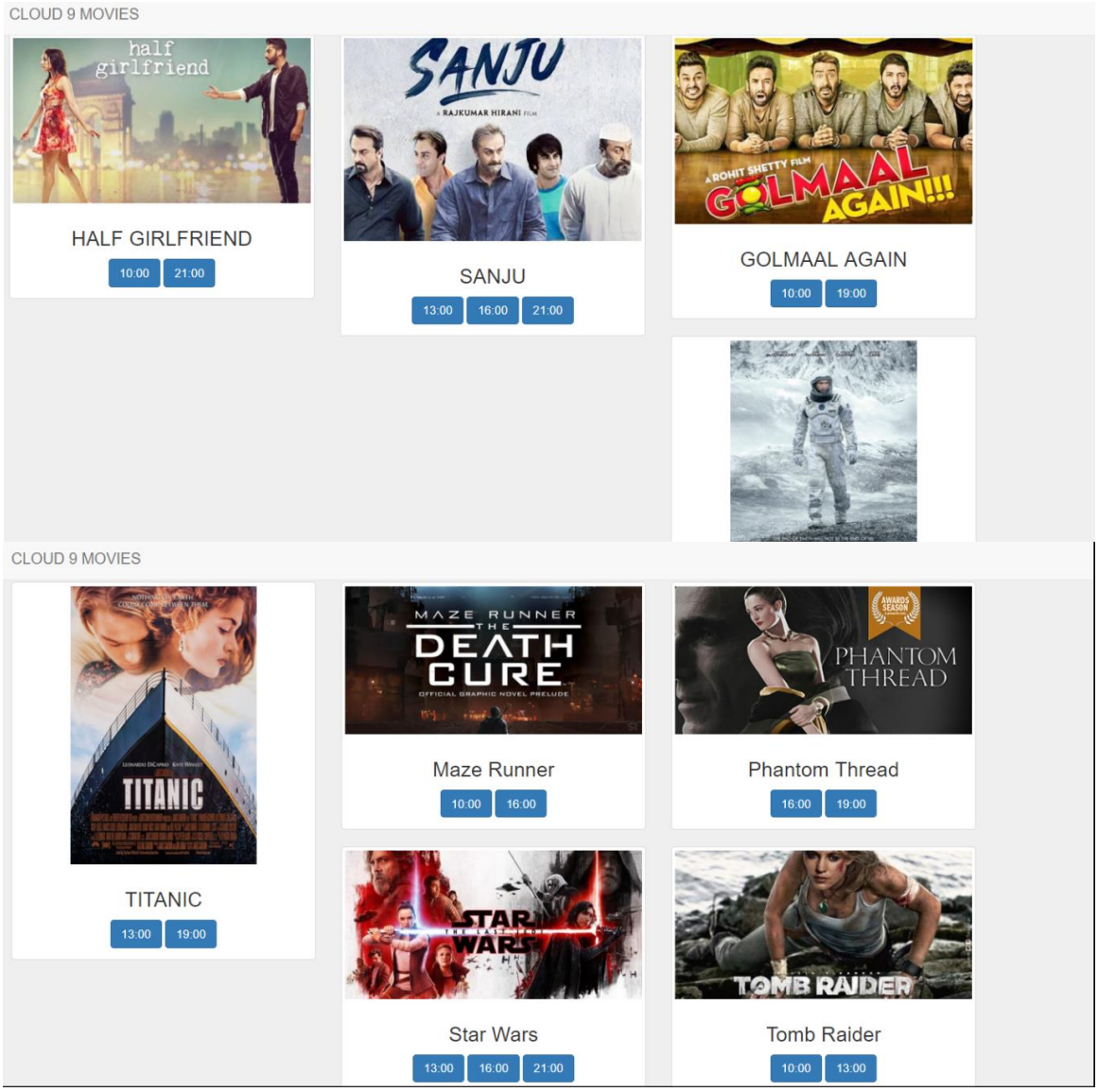


Fig 4.1 Main page


CLOUD 9 MOVIES
half girlfriend
HALF GIRLFRIEND
10:00 21:00
SANJU
A RAJKUMAR HIRANI FILM
SANJU
13:00 16:00 21:00
A ROHIT SHETTY FILM
GOLMAAL AGAIN!!!
GOLMAAL AGAIN
10:00 19:00
CLOUD 9 MOVIES
TITANIC
TITANIC
13:00 19:00
MAZE RUNNER THE DEATH CURE
OFFICIAL GRAPHIC NOVEL PRELUDE
Maze Runner
10:00 16:00
AWARDS SEASON
PHANTOM THREAD
Phantom Thread
16:00 19:00
STAR WARS
Star Wars
13:00 16:00 21:00
TOMB RAIDER
Tomb Raider
10:00 13:00

CLOUD 9 MOVIES

UPCOMING MOVIES

No Ordinary Hero
Starting from
Friday, March 1

Pony
Starting from
Monday, March 4

Judge Dredo
Starting from
Thursday, March 7

Happens
Starting from
Saturday, March 2

Scary Movie 2
Starting from
Thuesday, March 5

Last Rampage
Starting from
Friday, March 8

The Imoji Movie
Starting from
Sunday, March 3

Epic 2
Starting from
Wednsday, March 6

Evil is trending
Starting from
Satuday, March 9

Project by: V.VARSHINI RAO & VAISHNAVI.C.R

CLOUD 9 MOVIES

Now Showing About Us Admin login

ABOUT US

Our Vision

"The trusted leader in Cinema and its related Entertainment"

Our Mission

"The epitome of excellence in entertainment while being the beacon of innovation, hope and change with a sustainable value to all our stakeholders"

About Cloud Nine Cinema

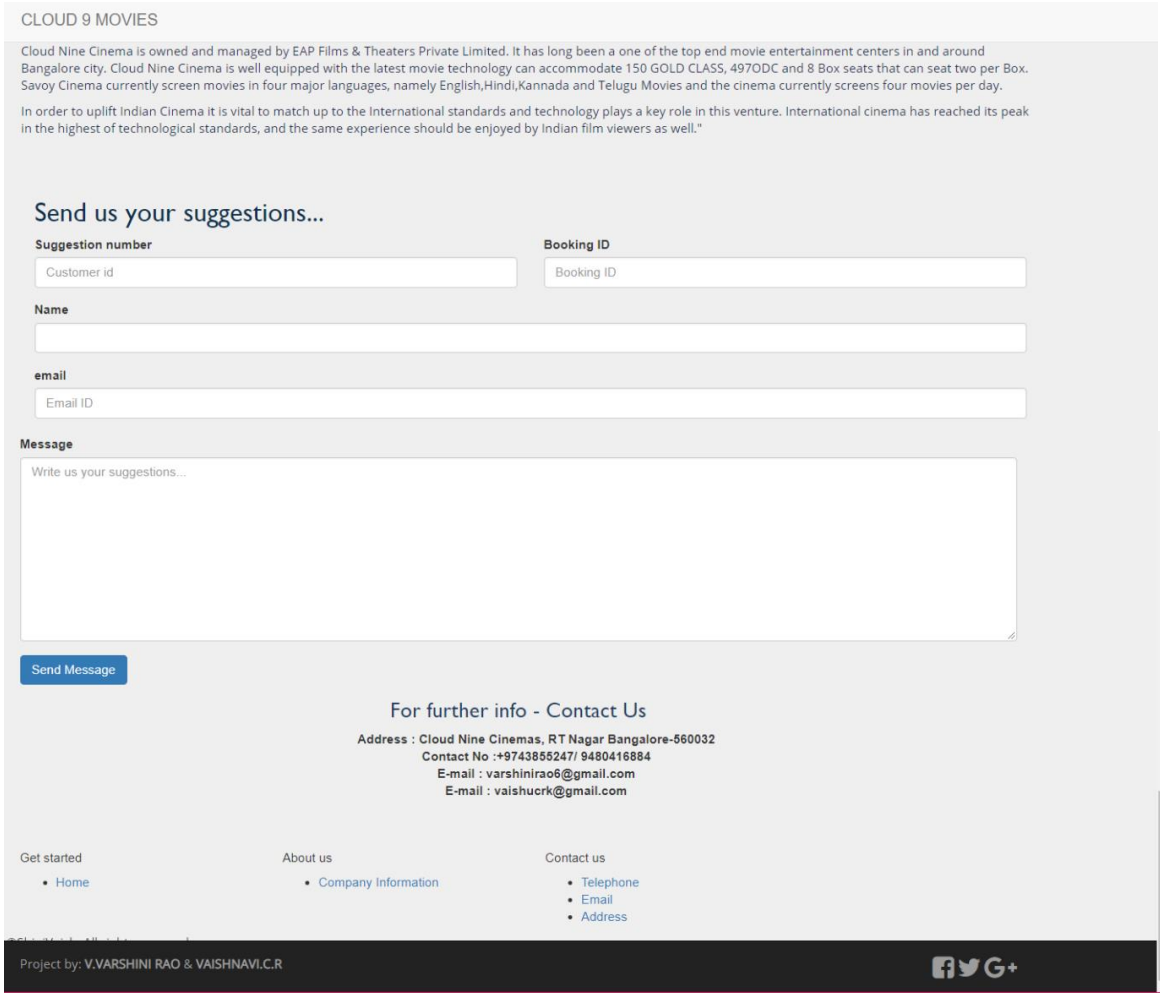


Fig 4.2 About us and suggestions

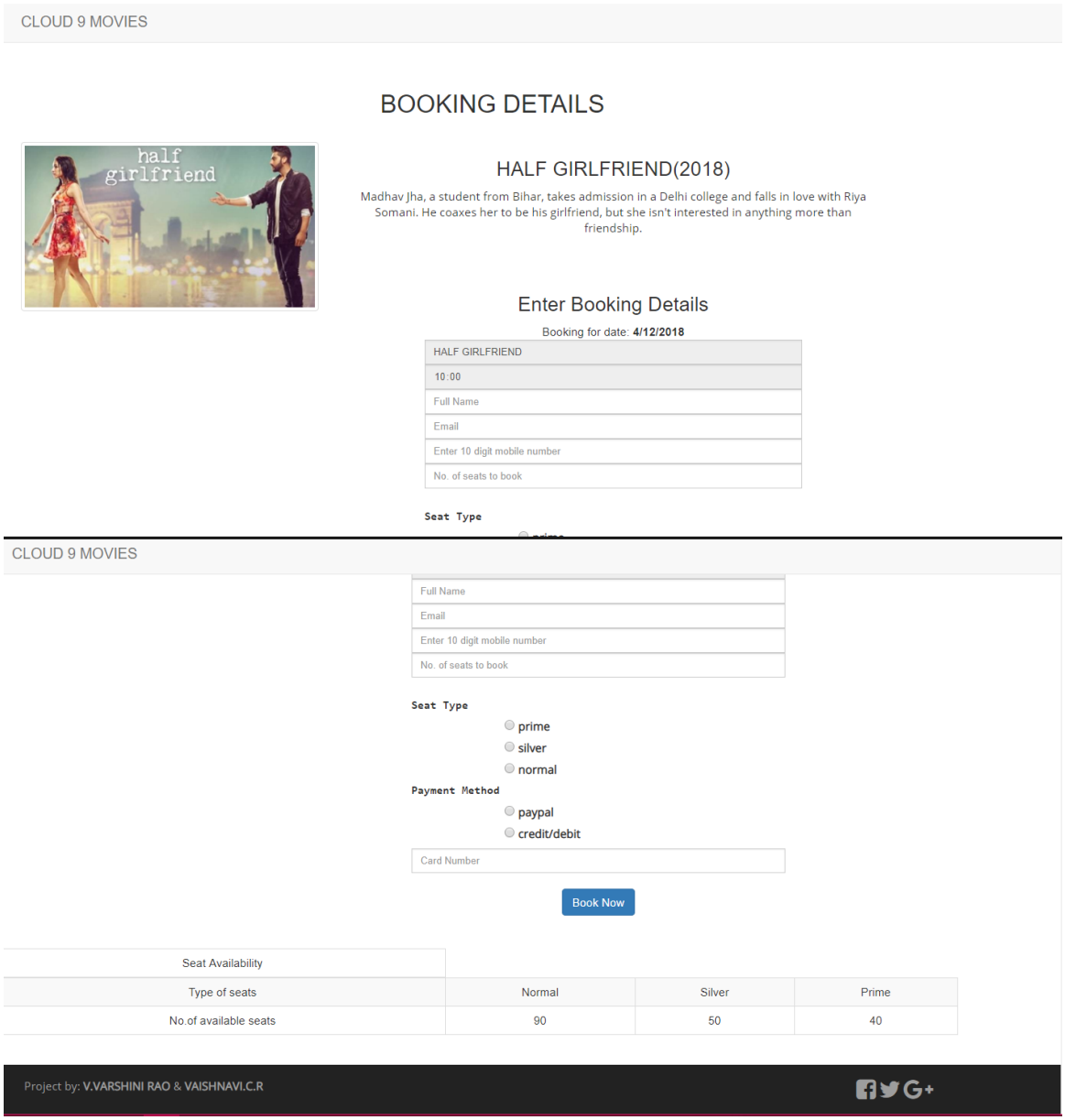


Fig 4.3 Booking details

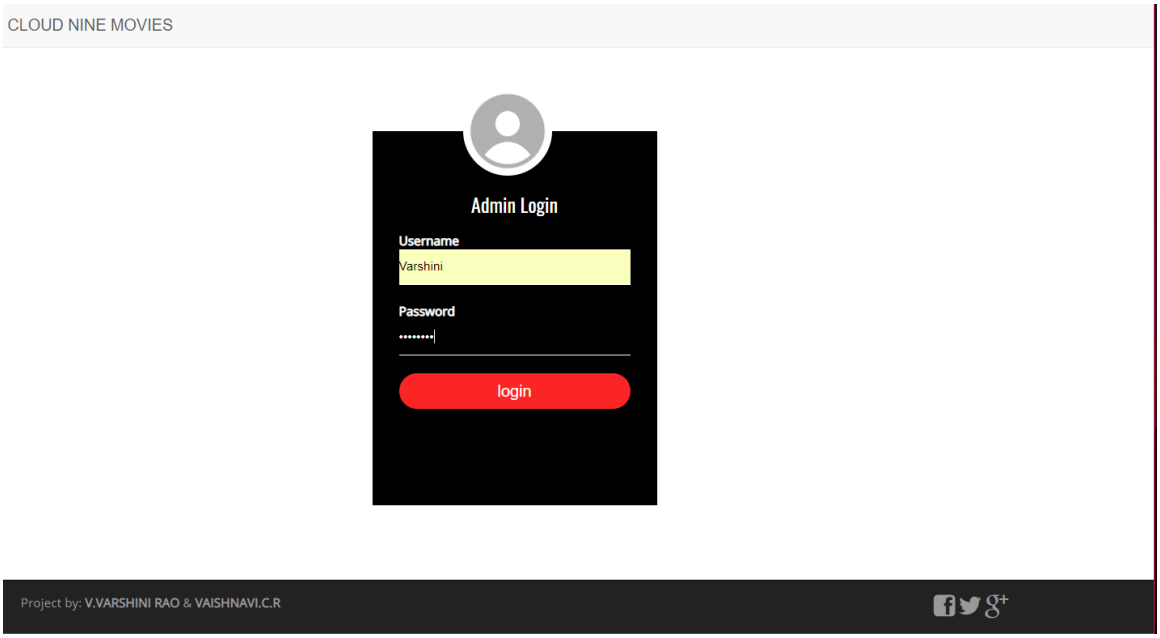
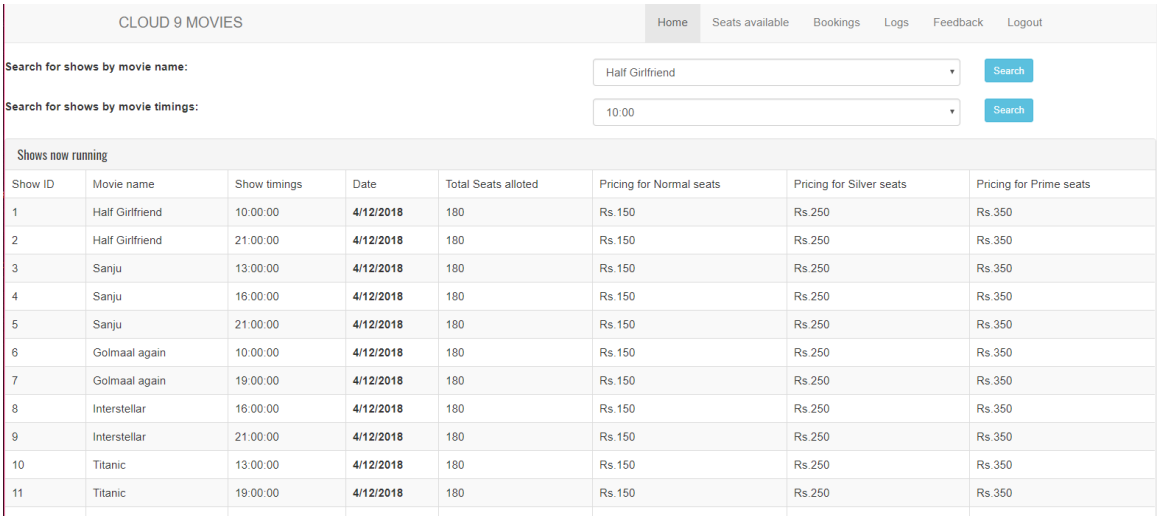


Fig 4.4 Admin login



Show ID	Movie name	Show timings	Date	Total Seats alloted	Pricing for Normal seats	Pricing for Silver seats	Pricing for Prime seats
1	Half Girlfriend	10:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
2	Half Girlfriend	21:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
3	Sanju	13:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
4	Sanju	16:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
5	Sanju	21:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
6	Golmaal again	10:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
7	Golmaal again	19:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
8	Interstellar	16:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
9	Interstellar	21:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
10	Titanic	13:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350
11	Titanic	19:00:00	4/12/2018	180	Rs.150	Rs.250	Rs.350

12	Maze Runner	10:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
13	Maze Runner	16:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
14	Phantom Thread	16:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
15	Phantom Thread	19:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
16	Star Wars	13:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
17	Star Wars	16:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
18	Star Wars	21:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
19	Tomb raider	10:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350
20	Tomb raider	13:00:00	**4/12/2018**	180	Rs.150	Rs.250	Rs.350

Project by: V.VARSHINI RAO & VAISHNAVI.C.R

Fig 4.5 Admin home page

CLOUD 9 MOVIES

Home | Seats available | Bookings | Logs | Feedback | Logout

Shows seating availability

Show ID	Movie name	Show Timings	Seats available in normal	Seats available in Silver	Seats available in prime	Total Seats available
1	Half Girlfriend	10:00:00	90	50	40	180
2	Half Girlfriend	21:00:00	90	49	34	173
3	Sanju	13:00:00	84	46	40	170
4	Sanju	16:00:00	90	50	40	180
5	Sanju	21:00:00	90	50	40	180
6	Golmaal again	10:00:00	90	50	38	178
7	Golmaal again	19:00:00	90	50	40	180
8	Interstellar	16:00:00	90	50	40	180
9	Interstellar	21:00:00	90	43	40	173
10	Titanic	13:00:00	90	50	40	180
11	Titanic	19:00:00	90	50	40	180
12	Maze Runner	10:00:00	90	50	40	180
13	Maze Runner	16:00:00	90	50	40	180
14	Phantom Thread	16:00:00	90	50	30	170
15	Phantom Thread	19:00:00	90	50	40	180
16	Star Wars	13:00:00	90	50	40	180
17	Star Wars	16:00:00	89	50	40	179
18	Star Wars	21:00:00	90	50	40	180
19	Tomb raider	10:00:00	90	50	40	180
20	Tomb raider	13:00:00	90	47	40	177

Project by: V.VARSHINI RAO & VAISHNAVI.C.R

Fig 4.6 Seats available

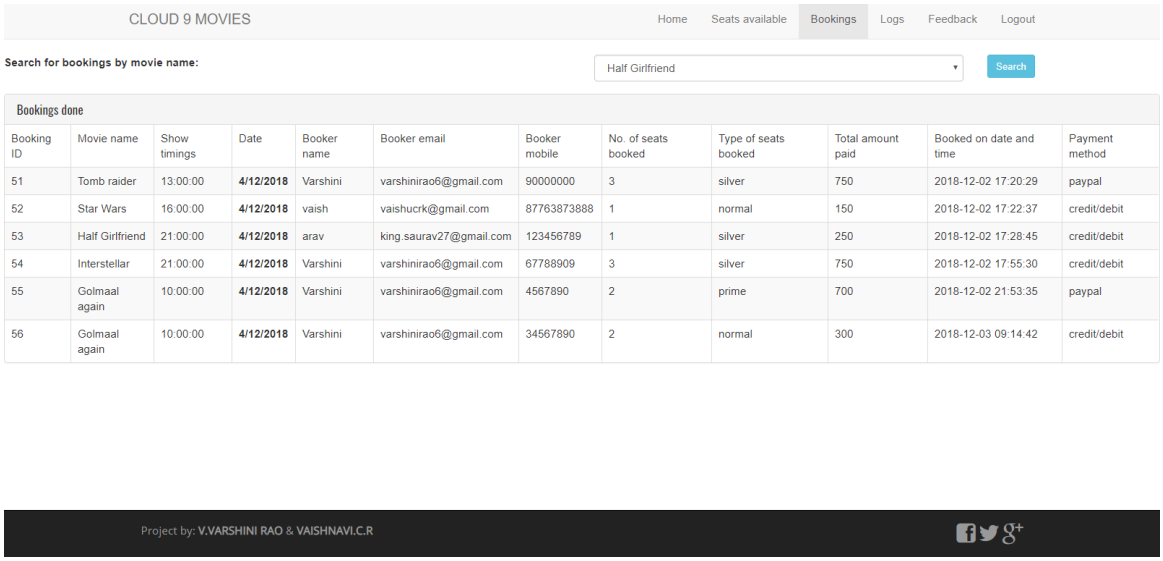


Fig 4.7 Bookings

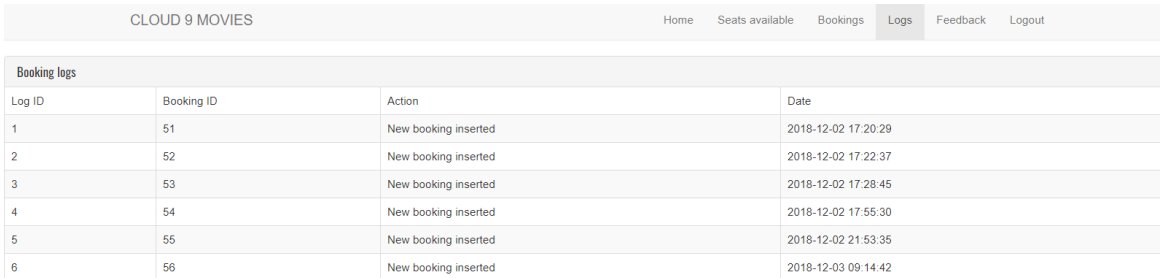


Fig 4.8 Logs

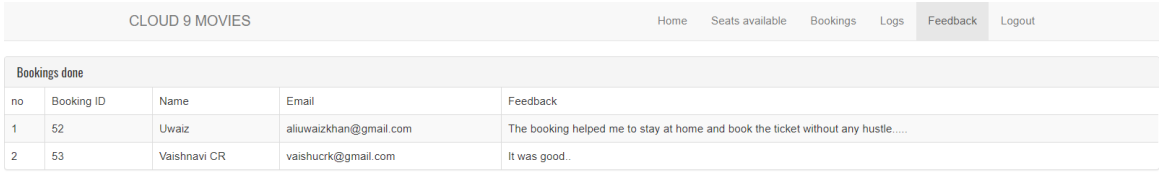


Fig 4.9 Feedback

CHAPTER 5

CONCLUSION

- This project has been developed successfully and the performance of the system has been satisfactory.
- Use of this interface helps customers in having immediate information about running movie and reserve their seats without wasting their precious time.

REFERENCES

- Fundamentals of Database System 7th edition, Ramez Elmasri and Shamkant B.Navathe, Pearson.
- PHP and MySQL by Richard Blum
- Database Management Systems, 3rd edition by Ramakrishnan and Gehrke

WEBSITES:

- www.w3schools.com
- www.wikipedia.org