

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi-590018

|| JAI SRI GURUDEV ||

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## SJB INSTITUTE OF TECHNOLOGY

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A

### DBMS Laboratory Mini Project Report On

## “MOVIE TICKET RESERVATION SYSTEM”

SUBMITTED IN PARTIAL FULFILLMENT FOR 5<sup>TH</sup> SEMESTER

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

SUBMITTED BY

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2022 - 2023

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## **CERTIFICATE**

Certified that the Mini project work entitled "**MOVIE TICKET RESERVATION SYSTEM**" carried out by **PRADEEP GOWDA H** and **PAVAN Y N** bearing USN **1JB20IS044**, **1JB20IS041** respectively of SJB Institute of Technology in partial fulfilment for 5<sup>th</sup> Semester DBMS LABORATORY WITH MINI PROJECT in **INFORMATION SCIENCE AND ENGINEERING** of the Visvesvaraya Technological University, Belagavi during the academic year **2022-23**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed by the institution.

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Regards,  
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## **ABSTRACT**

The “**MOVIE TICKET RESERVATION SYSTEM**” system facilitates the users to enquire about the recent movies available movies, booking and cancellation of movie seats according to theatre type and class type, enquire about the status of the booked seats, etc. The aim of this project is to design a website that gives an easy platform for people to get details of trending films and to get movie seats in the easiest possible way making it simple for all to buy seats from anytime and anywhere.

This project contains introduction to movie seat booking system. It is computerized way of reserving the seats of movie in advanced. This **MOVIE TICKET RESERVATION SYSTEM** can make the process of booking movie seats much easier than ever before.

Then this project contains entity relationship model diagram based on movie ticket reservation system an introduction to relational model also example of some SQL queries to retrieve data from the database of this system.

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## CHAPTER-1

### **INTRODUCTION**

#### **1.1 TRADITIONAL FILE SYSTEM**

File System is collection of data. In this system, user must write procedures for managing database. It provides details of data representation and storage of data. In this –

- Data is stored in files.
- Each file has specific format.
- Programs that use these files depend on knowledge about that format.
- In earlier days, database applications were built on top of file systems.

Basically, it is a collection of application programs that performs services for end users such as production of reports. Each file defines and manages its own data.

#### **1.1.1 PROS AND CONS OF TRADITIONAL APPROACH**

##### **PROS:**

- File processing cost less and can be more speed than database.
- File processing design approach was well suited to mainframe hardware and batch input.
- Companies mainly use file processing to handle large volumes of structured data on a regular basis.
- It can be more efficient and cost less than DBMS in certain situations.
- Design is simple.
- Customization is easy and efficient.

##### **CONS:**

- Data redundancy and inconsistency.
- Difficulty in accessing data.
- Data isolation – multiple files and formats.
- Integrity problems
- Unauthorized access is not restricted.
- It co-ordinates only physical access.

- Unauthorized access is not restricted.
- It co-ordinates only physical access.

## 1.2 INTRODUCTION TO DBMS

Databases and database technology have had a major impact on the growing use of computers. A database is a collection of related data. By data, we mean known facts that can be recorded and that have implicit meaning. For example, consider the names, telephone numbers, and addresses of the people you know. Nowadays, this data is typically stored in mobile phones, which have their own simple database software. In other words, a database has some source from which data is derived, some degree of interaction with events in the real world, and an audience that is actively interested in its contents. A database can be of any size and complexity. For example, the list of names and addresses referred to earlier may consist of only a few hundred records, each with a simple structure. On the other hand, the computerized catalogue of a large library may contain half a million entries organized under different categories.

A database has the following implicit properties:

- A database represents some aspect of the real world, sometimes called the mini world or the universe of discourse. Changes to the mini world are reflected in the database.
- A database is a logically coherent collection of data with some inherent meaning. A random assortment of data cannot correctly be referred to as a database.
- A database is designed, built, and populated with data for a specific purpose. It has an intended group of users and some preconceived applications in which these users are interested.

A database management system (DBMS) is a computerized system that enables users to create and maintain a database. The DBMS is a general-purpose software system that facilitates the processes of defining, constructing, manipulating, and sharing databases among various users and applications. Defining a database involves specifying the data types, structures, and constraints of the data to be stored in the database. The database definition or descriptive information is also stored by the DBMS in the form of a database catalogue or dictionary; it is called meta-data. Constructing the database is the process of storing the data on some storage medium that is controlled by the DBMS. Manipulating a database includes functions such as querying the database

### **1.2.1 ADVANTAGES OF DBMS**

Compared to the File Based Data Management System, Database Management System has many advantages.

#### **1. Reducing Data Redundancy**

The file-based data management systems contained multiple files that were stored in many different locations in a system or even across multiple systems. Because of this, there were sometimes multiple copies of the same file which led to data redundancy. This is prevented in a database as there is a single database and any change in it is reflected immediately. Because of this, there is no chance of encountering duplicate data.

#### **2. Data Integrity**

Data integrity means that the data is accurate and consistent in the database. Data Integrity is very important as there are multiple databases in a DBMS. All of these databases contain data that is visible to multiple users. So, it is necessary to ensure that the data is correct and consistent in all the databases and for all the users.

#### **3. Data Security**

Data Security is a vital concept in a database. Only authorized users should be allowed to access the database and their identity should be authenticated using a username and password. Unauthorized users should not be allowed to access the database under any circumstances as it violates the integrity constraints.

#### **4. Privacy**

The privacy rule in a database means only the authorized users can access a database according to its privacy constraints. There are levels of database access, and a user can only view the data he is allowed to. For example - In social networking sites, access constraints are different for different accounts a user may want to access.

#### **5. Backup and Recovery**

Database Management System automatically takes care of backup and recovery. The users don't need to backup data periodically because this is taken care of by the DBMS. Moreover, it also restores the database after a crash or system failure to its previous condition.

## 6. Data Consistency

Data consistency is ensured in a database because there is no data redundancy. All data appears consistently across the database and the data is same for all the users viewing the database. Moreover, any changes made to the database are immediately reflected to all the users and there is no data inconsistency.

## 1.3 ABOUT THE PROJECT

The proposed project “**Movie Ticket Reservation System**” is the process whereby consumers directly buy movie seats online from a multiplex website interactively in real-time without an intermediary service over the Internet. The Given System provides the detailed working of the Movie Seat Booking Processing and what all happens whenever we or any one of us goes to book movie seats online.

## 1.4 BACKGROUND OF PROJECT

“**Movie Ticket Reservation System**” is an online seat booking project, customers can book seats 24 hours a day from anywhere in the world and interact with multiplex’s website to know about currently running movies and their schedule or service information provided by the multiplex. Multiplex customer relationship manager can interact with customers and enable them to learn more about customers’ needs, build good customer relationships, increase efficiency and reduce costs, and gain access to national markets quickly.

## 1.5 OBJECTIVE OF PROJECT

The project “**Movie Ticket Reservation System**” is dedicated to the general requirements of multiplex theatres. The main objective of the project is to create an Movie Seat Booking processing that allows customers to know about new movies, their schedules, cinema locations, class and seat price etc. In the booking process when customer selects his city then cinemas of that city are filtered. In next step he/she selects his desired cinema where he/she wish to see movie, then selects movie and other details like show date, show time, class and no of seats. Based on given parameters a graphical layout of seat status is visible to the customer. Now customer can select his desired seat location and number of seats. The Administrator will be able to see all booked and cancelled seats.

The main objectives of “**Movie Ticket Reservation System**” project are as follows:

- ❖ Facility to store the information of new customer, different types of movie show timing, seats rates of different types on show class etc.
- ❖ Interest to develop a good user-friendly website with many online transactions using a database.
- ❖ Facility to generate different reports, which are helpful for the management in decision making.
- ❖ Facility to change admin’s password account.
- ❖ To increase my knowledge horizon in technologies like MySQL, CSS, HTML and PHP.

## **1.6 PURPOSE, SCOPE &APPLICABILITY OF PROJECT**

Today the need of simplicity has driven application software programming to a new level. This project is a transaction related information storing project which will be used by the various multiplexes for online movie seat booking through internet. Customers can view all currently running movies and book their seats for any specific date and show also customer can pay online through credit card. This application has a user-friendly interface so that the customer and administrator can easily and efficiently use the software and its features.

The main purpose of this project is to provide a reliable, secure, efficient and user-friendly environment to the customers and management authorities. Also benefit to the customer with efficient and faster service.

The Project “**Movie Ticket Reservation System**” as a wide scope as it is generalized software and can be easily used in any seat booking process system with little or no change. The Changes in software can be easily accommodated. The addition and deletion of the modules in software can be easily adjusted. This project has a lot of scope for further enhancement too. This project can save money and efforts in managing the record, just a mouse click can make the task easy and faster.

## CHAPTER-2

### **SYSTEM ANALYSIS**

System analysis is the process of gathering and interpreting facts, diagnosing problems and using the information to recommend improvements on the system. System analysis is a problem-solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified, and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

#### **2.1 EXISTING SYSTEM**

In the existing system, the Customer must visit movie hall for booking seats. Further they do not even have the information about the movie which is in the movie hall, its show time and different rates of the ticket.

Even the customer may not be able to get information about different movie hall available in the city. Further movie hall owner has to hire large number of staff at the counter for selling tickets. Enquiries about movie, etc.

Today, there are many web-based frameworks are accessible which gives the online booking of a movie ticket, yet the discount isn't a simple procedure while in the current framework once somebody has picked the seats, they can't transform it.

In this existing system there is no concept for prime user and non-prime users. The prime users can book the more tickets in festival time and offers can be provided for prime users.

#### **2.2 PROPOSED SYSTEM**

In order to conquer the existing problem, we made this framework as online where each data about any movie hall, movie, theater and rates can get online which causes the client to show signs of improvement offices at his own Personal computers or Laptop.

The online movie ticket booking system will provide facility to book tickets for a movie online. A user can book tickets whenever and anywhere as the framework will be online based.

**Advantage:**

- ❖ Provide a detailed information about movies, shows, etc.
- ❖ Provides the searching facilities based on various factors. Such as Movie, Customer, Show timing, etc.
- ❖ Encrypted webpage to ensure customer privacy and transaction security
- ❖ More user-friendly interface also in small screen devices.

## 2.3 SYSTEM STUDY

Requirement's specification in systems engineering and software engineering, encompasses those tasks that go into determining the needs or conditions to meet for a new or altered product, taking account of the possibly conflicting requirements of the various users

Based on system study following requirements has been observed:

- ❖ Customer should be allowed to create their account on the movie ticket booking portal.
- ❖ Customer should have facility to see list of movies running in that multiplex at present time, their show timing, booking status, multiplex location etc.
- ❖ Customer should be allowed to see booking status of any movie and also book show of any date.
- ❖ Customer should be allowed to take print of ticket, view their previous booked tickets, cancel ticket and ask any query.
- ❖ Administrator should be allowed to add new movie, new screen, manage movie schedule, open booking for next date etc.
- ❖ The proposed system should also generate different reports, which are helpful for the management in decision making such as booking status report, customer list, and view inquiries made by the customers.

### 2.3.1 PURPOSE:

- ❖ The document describes the software requirements and specifications for Movie Booking System.
- ❖ It is expected by the web user of the Movie Review System to have basic knowledge about operations performed in the system.

## CHAPTER-3

### **DATABASE DESIGN**

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. It emphasizes on translating design specifications to performance specification. System design has two phases of development

- Logical design
- Physical design

During logical design phase the analyst describes inputs (sources), outputs (destinations), databases (data stores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing accepted data and produce the required report on a hard copy or display it on the screen.

#### **3.1 HARDWARE REQUIREMENTS**

- ❖ Intel i3-7<sup>th</sup> Gen Processor or above
- ❖ 2GB RAM or above
- ❖ 512 KB Cache Memory or more
- ❖ Microsoft Compatible 101 or more Keyboard

#### **3.2 SOFTWARE REQUIREMENTS**

- ❖ **Operating system-** Windows is used as the operating system as it is stable and supports more features and is more user friendly.
- ❖ **Database-** PhpMyAdmin is used as database API as it is easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.
- ❖ **Development tools and Programming language-** HTML, CSS, JAVASCRIPT, PHP, XAMPP server should be downloaded and used for proper implementation of the project.

### 3.3 SYSTEM TOOLS

The various system tools that have been used in developing both the front end and the back end of the project are being discussed in this chapter.

#### 3.3.1 FRONT END

HTML-CSS framework BOOTSTRAP, little bit of JAVASCRIPT and most of PHP is utilized to implement the frontend of this project.

##### ❖ **HTML (Hyper Text Markup Language)**

HTML is a syntax used to format a text document on the web. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language.

Hypertext defines the link between the web pages. A markup language is used to define the text document within tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g. HTML) are human-readable.

##### ❖ **CSS (Cascading Style Sheets)**

CSS is a style sheet language used for describing the look and formatting of a document written in a markup language. CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

##### ❖ **JAVA SCRIPT**

JS is a dynamic computer programming language. It is most commonly used as art of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser communicate asynchronously, and alter the document content that is displayed. Java Script is used to create popup windows displaying different alerts in the system.

### ❖ **BOOTSTRAP**

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. Develop a webpage which can make it comfortable in various sized devices (such as mobile phones, tablets, and desktop screens) will help developers to make a single webpage that can be seen on different devices, hence reducing the effort of measuring different sized devices and then making individual pages for each of them. In this tutorial series, you will learn about Bootstrap and its various features.

### **3.3.2 BACK END**

The back end is implemented using PHP and PhpMyAdmin which is used to design the databases.

#### ❖ **PHP (Hypertext Preprocessor)**

PHP is a server-side scripting language designed specifically for web development. It is open source which means it is free to download and use. It is very simple to learn and use. PHP can actually do anything related to server-side scripting or more popularly known as the backend of a website. There are also many hash functions available in PHP to encrypt user's data that makes PHP secure and reliable to be used as a server-side scripting language.

#### ❖ **PHPMYADMIN**

phpMyAdmin is a free software tool written in PHP that is intended to handle the administration of a MySQL or MariaDB database server. You can use phpMyAdmin to perform most administration tasks, including creating a database, running queries, and adding user accounts. phpMyAdmin is a fully capable web app, written in php, that will allow you to manage and edit databases easily. It provides a robust interface with loads of options for creating databases and tables, managing database accounts, manually adding data to a database, and so much more!

## 3.4 ENTITIES AND ATTRIBUTES

### ❖ ADMIN

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	admin_name	varchar(20)	utf8_general_ci		No	None
<input type="checkbox"/>	2	admin_username	varchar(20)	utf8_general_ci		No	None
<input type="checkbox"/>	3	admin_password	varchar(10)	utf8_general_ci		No	None

### ❖ BOOKING DETAILS

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	res_id	int(6)			No	None
<input type="checkbox"/>	2	mov_id	int(4)			No	None
<input type="checkbox"/>	3	th_id	int(5)			No	None
<input type="checkbox"/>	4	show_date	date			No	None
<input type="checkbox"/>	5	show_time	varchar(10)	utf8_general_ci		No	None
<input type="checkbox"/>	6	seat_id	varchar(2)	utf8_general_ci		No	None

### ❖ CUSTOMERS

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	cust_id	int(3)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	cust_name	varchar(40)	utf8_general_ci		No	None		
<input type="checkbox"/>	3	email	varchar(50)	utf8_general_ci		No	None		
<input type="checkbox"/>	4	phno	int(11)			No	None		

### ❖ MOVIE DETAILS

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1 mov_id	int(4)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2 mov_name	varchar(30)	utf8_general_ci		No	None		
<input type="checkbox"/>	3 mov_lang	varchar(10)	utf8_general_ci		No	None		
<input type="checkbox"/>	4 mov_duration	varchar(6)	utf8_general_ci		No	None		
<input type="checkbox"/>	5 mov_director	varchar(20)	utf8_general_ci		No	None		
<input type="checkbox"/>	6 release_date	date			No	None		
<input type="checkbox"/>	7 genre	varchar(20)	utf8_general_ci		No	None		
<input type="checkbox"/>	8 mov_img	varchar(100)	utf8_general_ci		No	None		
<input type="checkbox"/>	9 mov_banner	varchar(200)	utf8_general_ci		No	None		

### ❖ RESERVATIONS

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1 res_id	int(6)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2 cust_id	int(3)			No	None		
<input type="checkbox"/>	3 no_of_tickets	int(10)			No	None		

### ❖ SEATS

#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1 seat_id	varchar(2)	utf8_general_ci		No	None
<input type="checkbox"/>	2 seat_type	varchar(10)	utf8_general_ci		No	None

### ❖ THEATRES

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1 th_id	int(5)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2 th_name	varchar(50)	utf8_general_ci		No	None		

### ❖ SHOW DETAILS

#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1 show_date	date			No	None
<input type="checkbox"/>	2 show_time	varchar(40)	utf8_general_ci		No	None

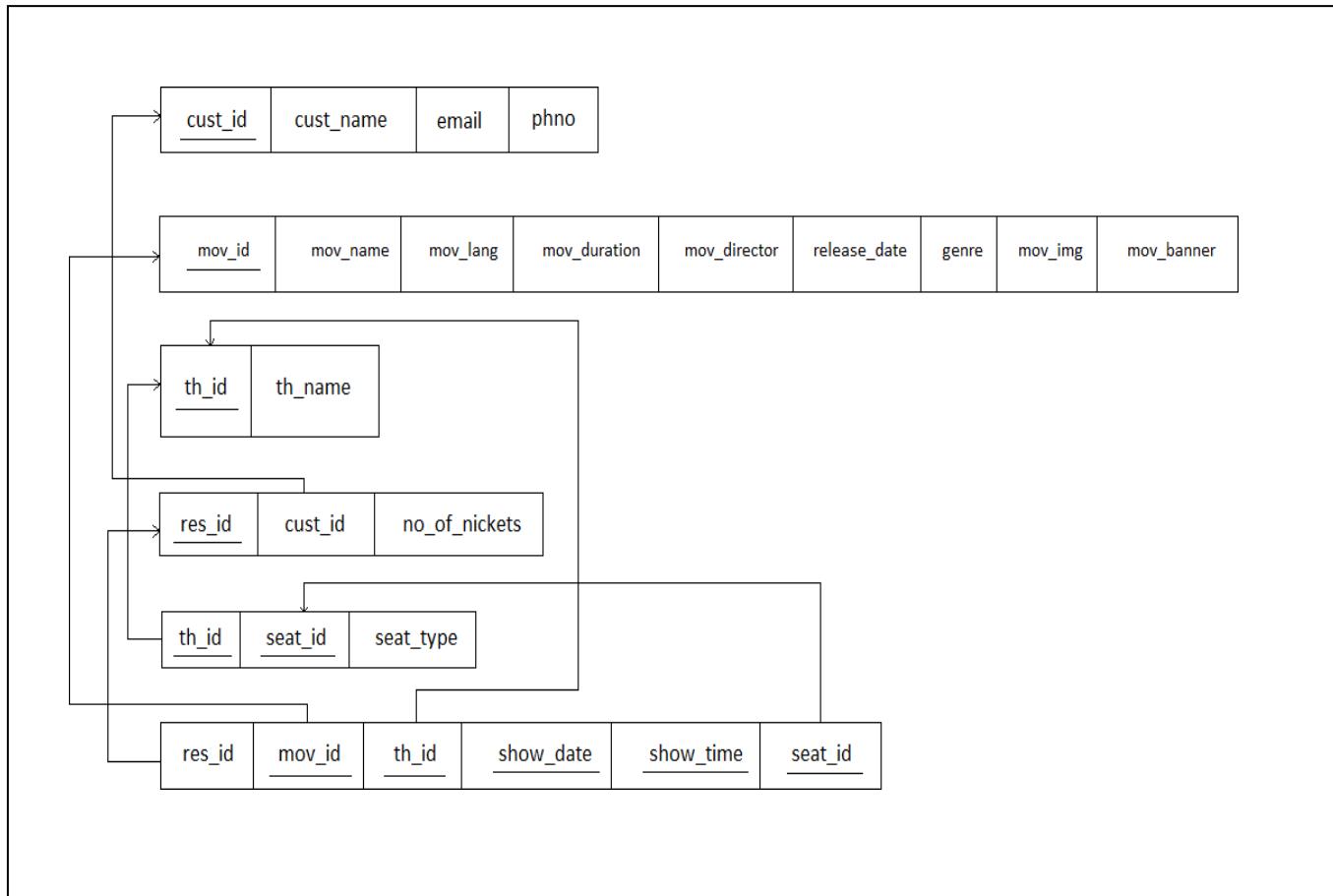
### ❖ DELETED MOVIES

#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1 mov_id	int(4)			No	None
<input type="checkbox"/>	2 mov_name	varchar(50)	utf8_general_ci		No	None
<input type="checkbox"/>	3 deleted_date	date			No	None

## 3.5 RELATIONAL SCHEMA

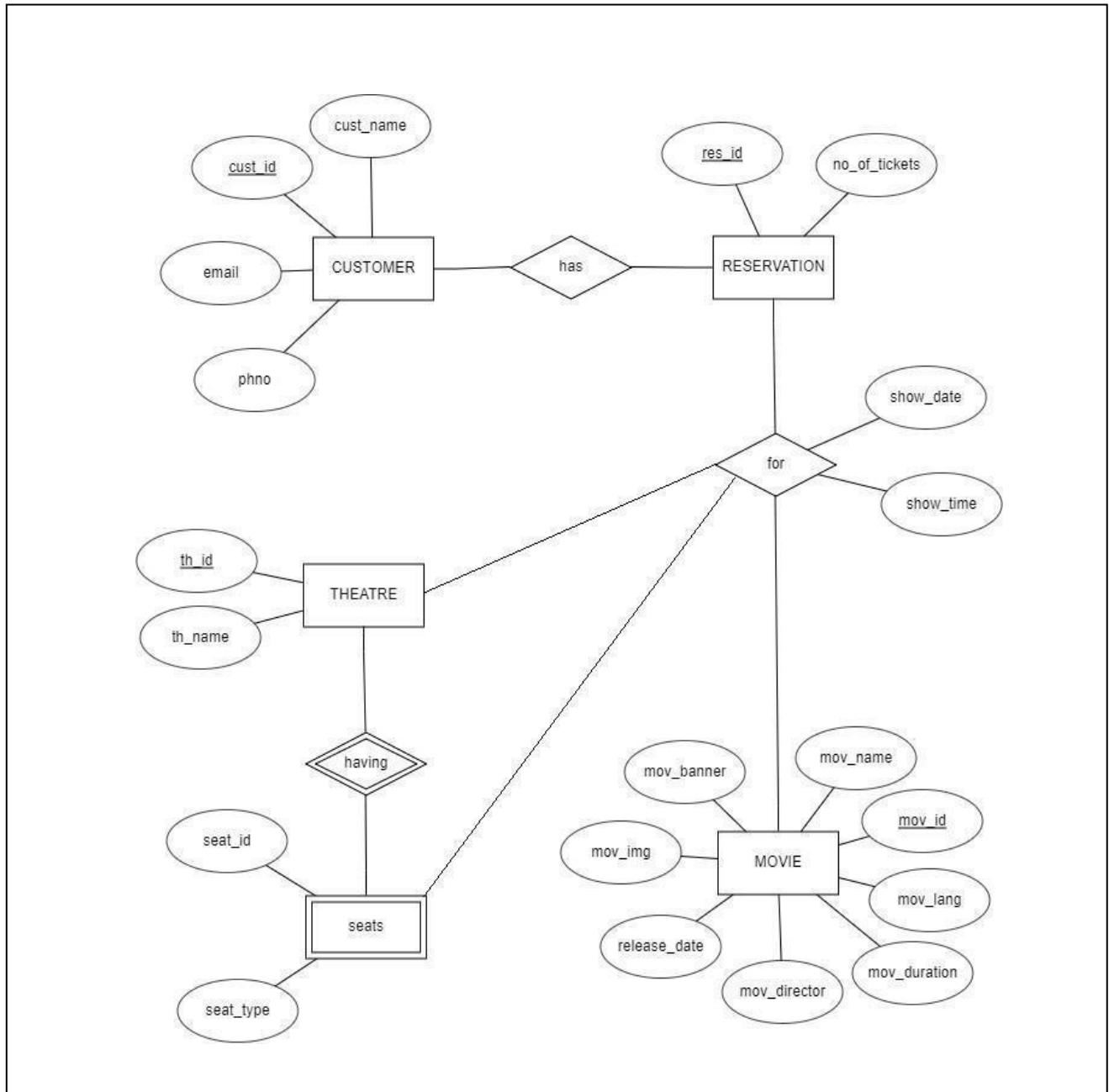
A schematic is defined as a picture that shows something in a simple way, using symbols.

A **schematic diagram** is a picture that represents the components of a process, device, or other object using abstract, often standardized symbols and lines.



### 3.6 E-R DIAGRAM

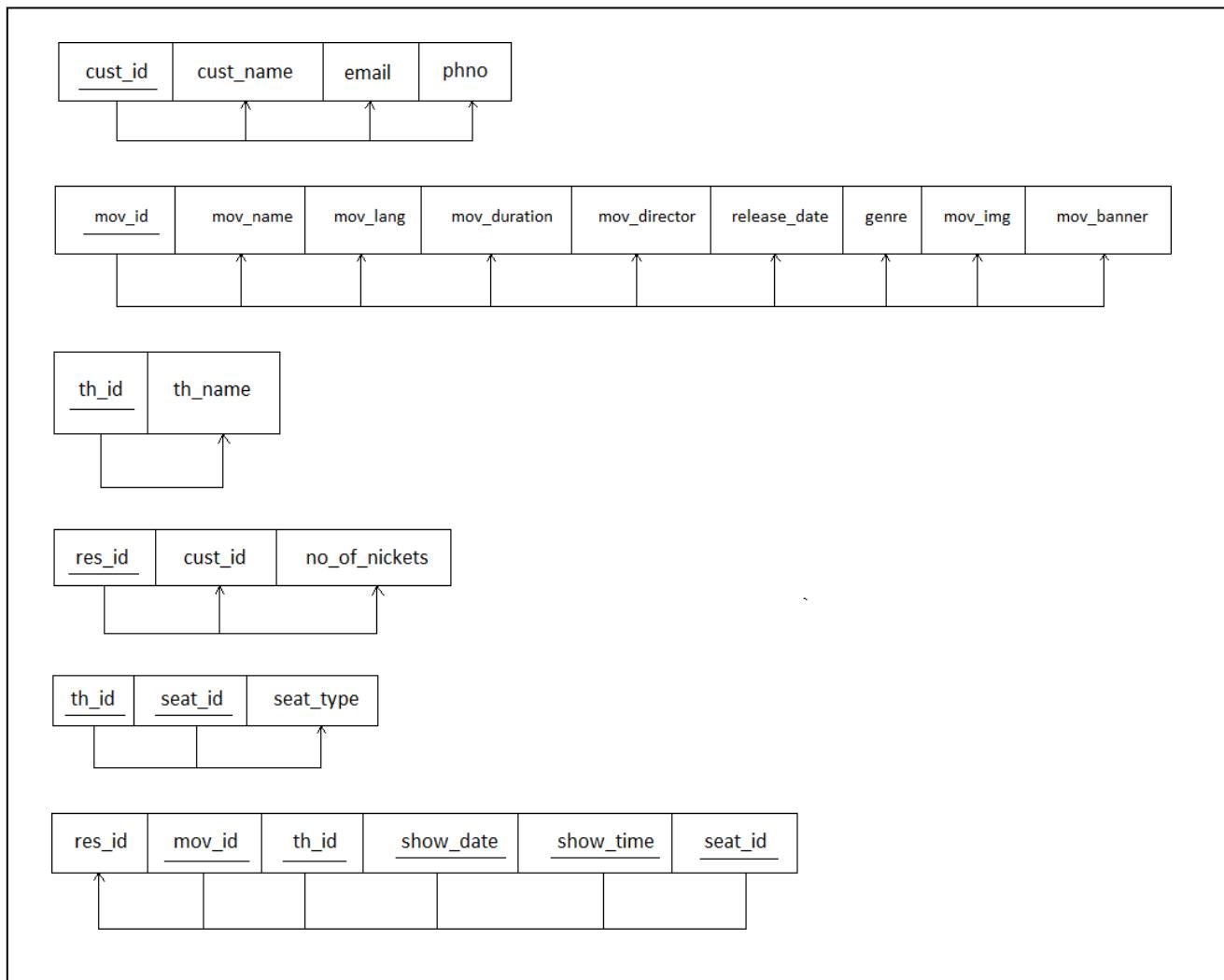
An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is an object, a component of data. An entity set is a collection of similar entities. These entities can have attributes that define its properties.



## 3.7 NORMAL FORMS

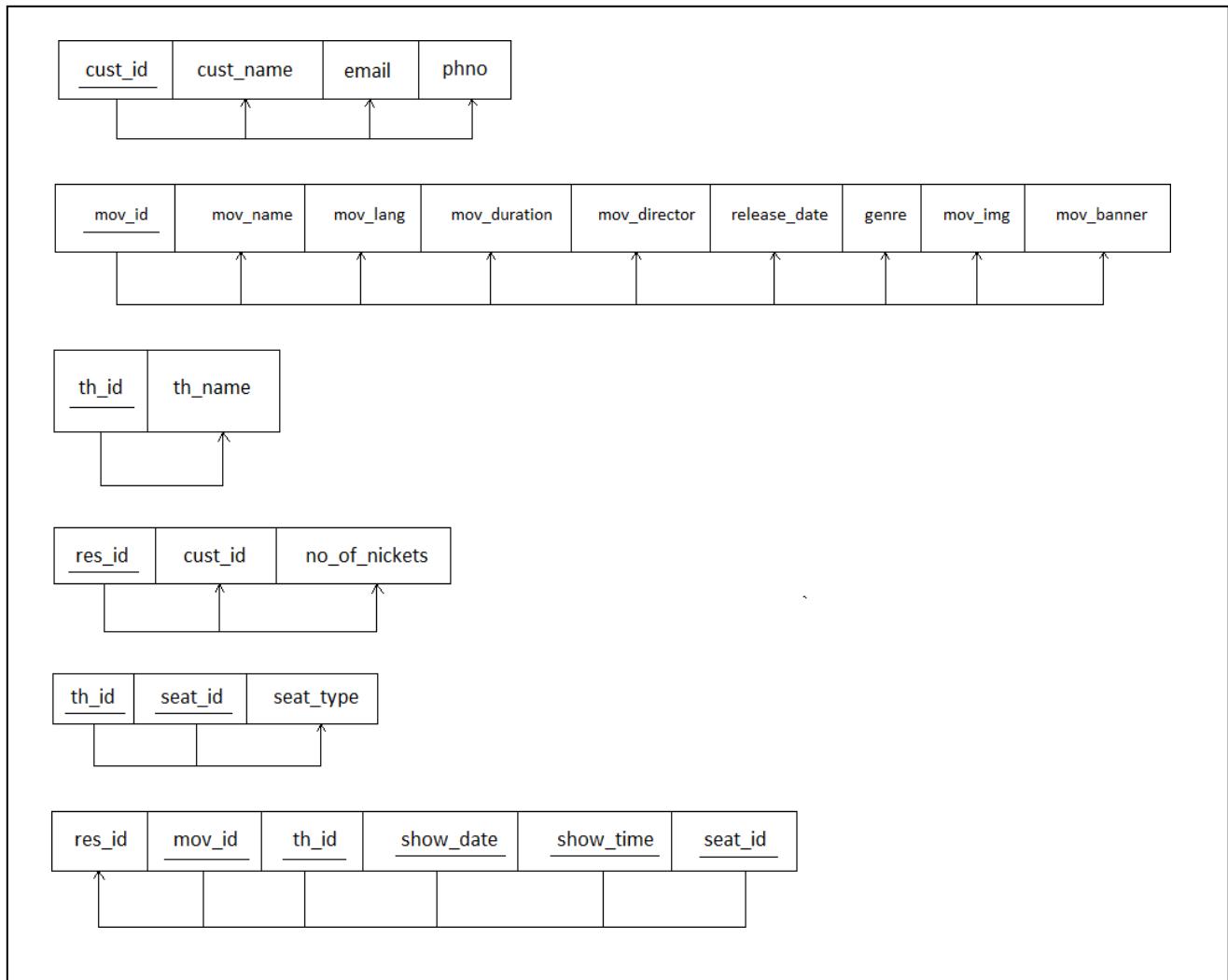
### 3.7.1 FIRST NORMAL NORM

A relation is in 1NF if and only if all underlying simple domain contains atomic values only. So here the relation is in 1NF.



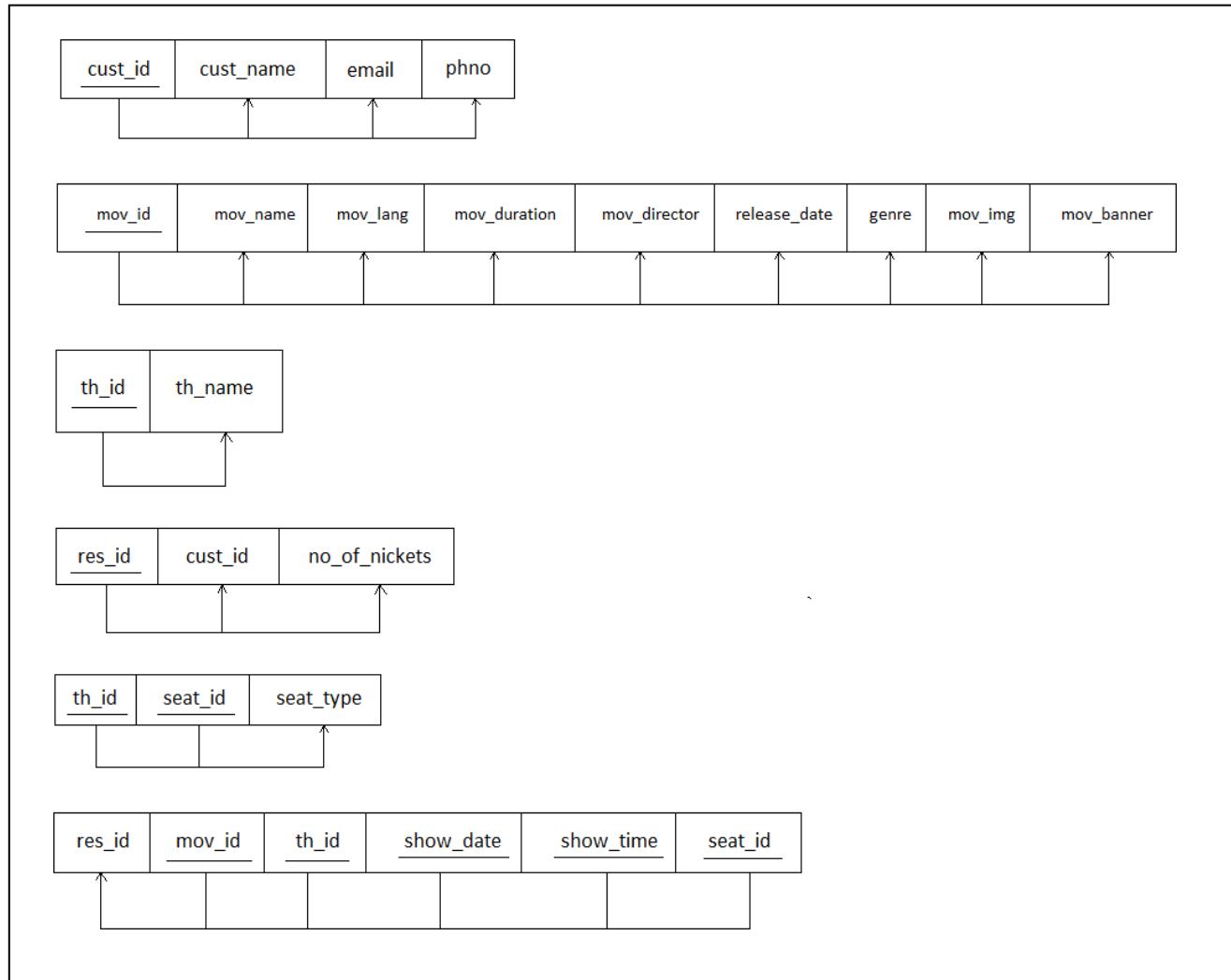
### 3.7.2 SECOND NORMAL NORM

A relation is in 2NF if and only if it is in 1NF and every none key attributes is fully dependent on primary key. So here the relation is in 2NF.



### 3.7.3 THIRD NORMAL FORM

A relation is in 3NF if and only if it is in 2NF and every non key attribute is non transitively dependent on the primary key. So here the relation is in 3NF.



# CHAPTER-4

## IMPLEMENTATION

### 4.1 CREATION OF TABLES

➤ ADMIN

```
CREATE TABLE `admin` (
    `admin_name` varchar(20) NOT NULL,
    `admin_username` varchar(20) NOT NULL,
    `admin_password` varchar(10) NOT NULL,
    PRIMARY KEY (`admin_username`, `admin_password`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

➤ BOOKING

```
CREATE TABLE `booking` (
    `res_id` int(6) NOT NULL,
    `mov_id` int(4) NOT NULL,
    `th_id` int(5) NOT NULL,
    `show_date` date NOT NULL,
    `show_time` varchar(10) NOT NULL,
    `seat_id` varchar(2) NOT NULL,
    PRIMARY KEY(mov_id`, `th_id`, `show_date`, `show_time`, `seat_id`),
    KEY `res_id`(`res_id`),
    KEY `th_id`(`th_id`),
    KEY `seat_id`(`seat_id`),
    CONSTRAINT `booking_ibfk_1` FOREIGN KEY (`mov_id`) REFERENCES `movie`(`mov_id`) ON DELETE CASCADE ON UPDATE CASCADE,
    CONSTRAINT `booking_ibfk_2` FOREIGN KEY (`res_id`) REFERENCES `reservations`(`res_id`) ON DELETE CASCADE ON UPDATE CASCADE,
    CONSTRAINT `booking_ibfk_3` FOREIGN KEY (`th_id`) REFERENCES `theatre`(`th_id`) ON DELETE CASCADE ON UPDATE CASCADE,
    CONSTRAINT `booking_ibfk_4` FOREIGN KEY (`seat_id`) REFERENCES `seats`(`seat_id`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

---

## ➤ CUSTOMER

```
CREATE TABLE `customer` (
    `cust_id` int(3) NOT NULL AUTO_INCREMENT,
    `cust_name` varchar(40) NOT NULL,
    `email` varchar(50) NOT NULL,
    `phno` int(11) NOT NULL,
    PRIMARY KEY (`cust_id`)
) ENGINE=InnoDB AUTO_INCREMENT=158
DEFAULT CHARSET=utf8
```

## ➤ DELETED MOVIES

```
CREATE TABLE `deleted_movies` (
    `mov_id` int(4) NOT NULL,
    `mov_name` varchar(50) NOT NULL,
    `deleted_date` date NOT NULL,
    PRIMARY KEY (`mov_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

## ➤ MOVIES

```
CREATE TABLE `movie` (
    `mov_id` int(4) NOT NULL AUTO_INCREMENT,
    `mov_name` varchar(30) NOT NULL,
    `mov_lang` varchar(10) NOT NULL,
    `mov_duration` varchar(6) NOT NULL,
    `mov_director` varchar(20) NOT NULL,
    `release_date` date NOT NULL,
    `genre` varchar(20) NOT NULL,
    `mov_img` varchar(100) NOT NULL,
    `mov_banner` varchar(200) NOT NULL,
    PRIMARY KEY (`mov_id`)
) ENGINE=InnoDB AUTO_INCREMENT=1015
DEFAULT CHARSET=utf8
```

## ➤ RESERVATION

```
CREATE TABLE `reservations` (
    `res_id` int(6) NOT NULL AUTO_INCREMENT,
    `cust_id` int(3) NOT NULL,
    `no_of_tickets` int(10) NOT NULL,
    PRIMARY KEY (`res_id`),
    KEY `cust_id` (`cust_id`),
    CONSTRAINT `reservations_ibfk_1` FOREIGN KEY
    (`cust_id`) REFERENCES `customer` (`cust_id`) ON
    DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB AUTO_INCREMENT=100085 DEFAULT
CHARSET=utf8
```

## ➤ SEATS

```
CREATE TABLE `seats` (
    `seat_id` varchar(2) NOT NULL,
    `seat_type` varchar(10) NOT NULL,
    PRIMARY KEY (`seat_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

## ➤ SHOW DETAILS

```
CREATE TABLE `show_details` (
    `show_date` date NOT NULL,
    `show_time` varchar(40) NOT NULL,
    PRIMARY KEY (`show_date`, `show_time`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

## THEATRE

```
CREATE TABLE `theatre` (
  `th_id` int(5) NOT NULL AUTO_INCREMENT,
  `th_name` varchar(50) NOT NULL,
  PRIMARY KEY (`th_id`)
) ENGINE=InnoDB AUTO_INCREMENT=10006
DEFAULT CHARSET=utf8
```

### 4.2 TRIGGER EVENT

- DELETED MOVIES

```
DROP TRIGGER IF EXISTS `delete`;
CREATE DEFINER=`root`@`localhost` TRIGGER `delete`
AFTER DELETE
ON `movie`
FOR EACH ROW
INSERT INTO deleted_movies VALUES (old.mov_id,
old.mov_name, CURRENT_DATE);
```

### 4.3 STORED PROCEDURE EVENT

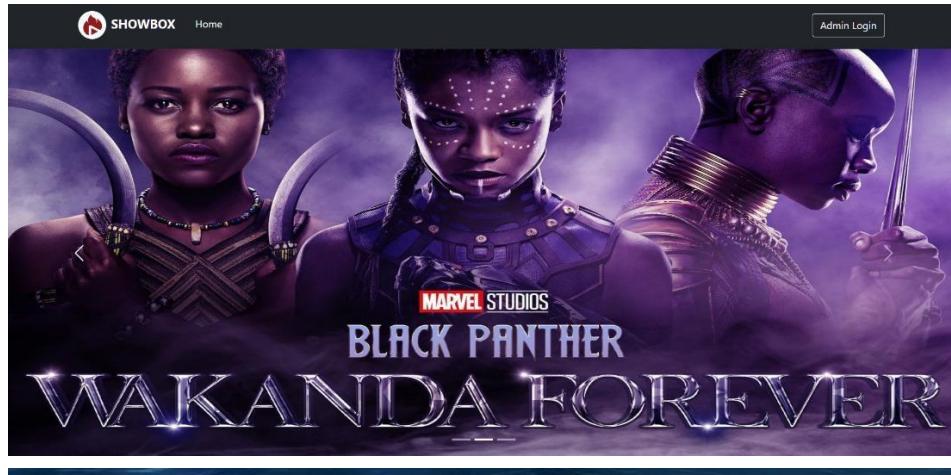
- LOGIN VERIFICATION

```
DROP PROCEDURE `login_verification`;
CREATE DEFINER=`root`@`localhost`
PROCEDURE `login_verification`(IN `admin_name` VARCHAR(20),IN `pass` VARCHAR(10))
NOT DETERMINISTIC CONTAINS SQL SQL SECURITY DEFINER
BEGIN
SELECT * FROM admin WHERE admin_username = admin_name AND admin_password = pass;
END
```

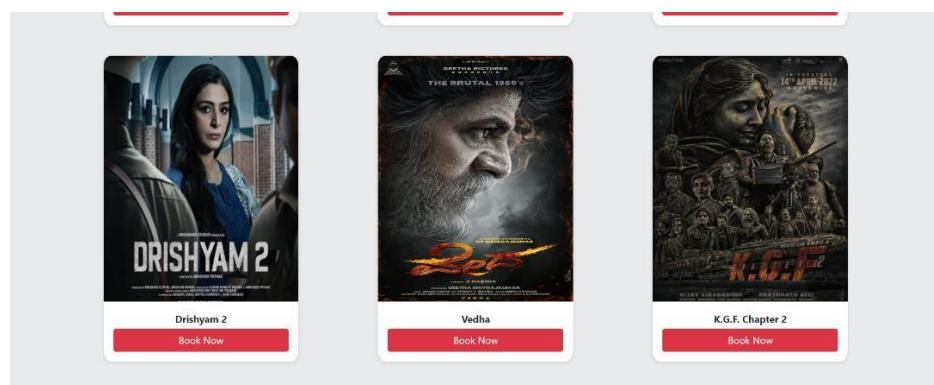
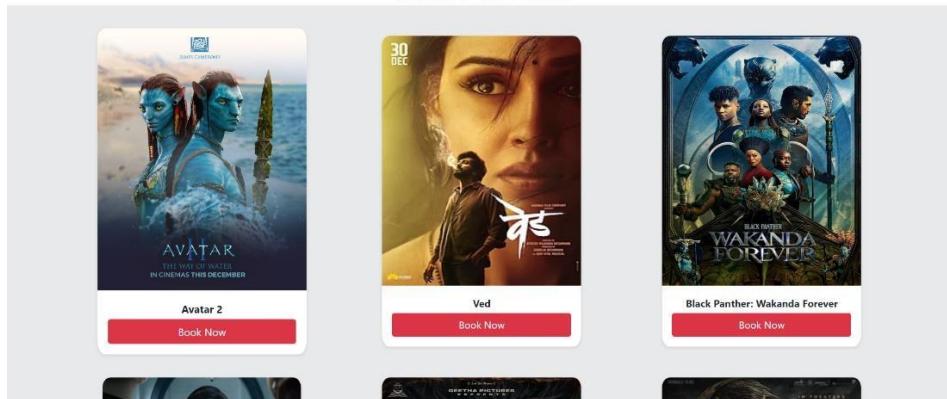
## CHAPTER-5

### TESTING AND RESULTS

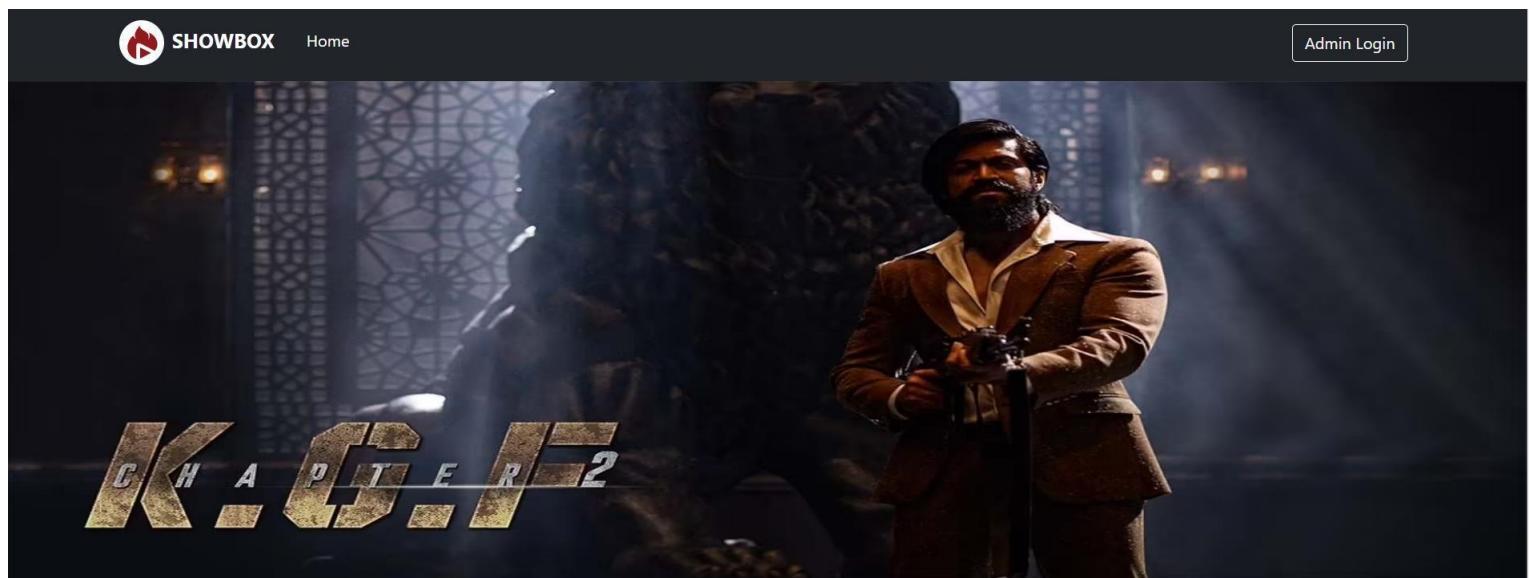
#### HOME PAGE



#### LATEST MOVIES



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**THEATRE SELECTION PAGE**[Admin Login](#)**THEATRE SELECTION****Select Date:**

24th January 2023

25th January 2023

26th January 2023

**Select Theatre and Show Time:**

Cinepolis, ETA Namma Mall , Binnypet

10:00AM

14:30PM

19:00PM

PVR , Golden Globes Mall , Kormangala

10:00AM

14:30PM

19:00PM

PVR Gold, Vega City , Bannerghatta Road

10:00AM

14:30PM

19:00PM

INOX: Garuda, Swagath Mall, Jayanagar

10:00AM

14:30PM

19:00PM

Selected Movie    K.G.F. Chapter 2

Selected Date    2023-01-24

**SEAT SELECTION PAGE**

The screenshot shows the 'Seat Selection' page of the Movie Ticket Reservation System. At the top, there's a header with the SHOWBOX logo and a 'Home' link, along with an 'Admin Login' button. Below the header, a form titled 'Enter Your Details' contains fields for 'Full name \*' (with 'asd' entered), 'Email \*' (with 'asdf@gmail.com' entered), and 'Phone Number \*' (with '122155' entered). The main area features a seating chart with two sections: 'GOLD (₹300)' and 'PLATINUM (₹500)'. The GOLD section has 12 seats labeled 1A through 1L. The PLATINUM section has 24 seats labeled 4A through 8L. Below the seating chart is a 'Selected Seats' input field and a red 'Continue to checkout' button.

**PRE-LOADER SCREEN**

**TICKET PAGE**

**ShowBox**

Invoice #:  
100088

**Layapradha**  
827771277  
laya@gmail.com

Payment Status	Check #
Success	₹ 1000

Movie Details		Info
Movie Name	Spiderman : No Way Home	
Movie Date	2021-01-24	
Movie Time	14:30PM	
Theatre	PVR , Golden Globes Mall , Kormangala	
Seats Booked	8F 8G	

₹ 1000

[Print Receipt](#) [Home Page](#)

**ADMIN LOGIN PAGE**

**ADMIN**  
**Login Page**  
Login here to get access to Admin Priviledges

User Name

Password

**Login** **Back to Homepage**

**ADMIN MOVIE LIST**

**SHOWBOX**

**ACCESSIBLE**

- Movie List
- Theatre List
- Customer List

**READ-ONLY**

- Customer Reservations

**ADD MOVIE** **UPDATE MOVIE** **DELETE MOVIE** **MOVIES OUT OF THEATRE** **Log Out**

<b>83</b>	Language : hindi Duration : 03h32m Director : John Khan Release Date : 2021-12-24 Genre : drama,sports Movie Poster Link : <a href="https://files.prokerala.com/movies/pics/800/first-look-poster-of-hindi-movie-83-112004.jpg">https://files.prokerala.com/movies/pics/800/first-look-poster-of-hindi-movie-83-112004.jpg</a> Movie Banner Link : <a href="https://lytimg.com/vi/hgj/jlXOduJ/maxresdefault.jpg">https://lytimg.com/vi/hgj/jlXOduJ/maxresdefault.jpg</a>
<b>Spiderman : No Way Home</b>	Language : English Duration : 02h28m Director : Jon Watts Release Date : 2021-12-16 Genre : action,sci-fi Movie Poster Link : <a href="https://wallpapercafe.com/wp/wp10252727.jpg">https://wallpapercafe.com/wp/wp10252727.jpg</a> Movie Banner Link : <a href="https://images7.alphacoders.com/116/thumb-1920-1160712.jpg">https://images7.alphacoders.com/116/thumb-1920-1160712.jpg</a>
<b>Pushpa : The Rise Part 1</b>	Language : telugu Duration : 02h59m Director : srujanikanthreddy

**ADD MOVIE PAGE**

**ADD MOVIE**

Movie Name \*

Duration \*

Release Date \*  dd-mm-yyyy

Language \*

Director \*

Genre \*

Movie Poster

Movie Banner

Movie Poster Link

Movie Banner Link

**ADD**

**EDIT MOVIE PAGE**

**ACCESSIBLE**

- Movie List
- Theatre List
- Customer List

**READ ONLY**

- Customer Reservations

Go Back

<input type="radio"/> 83
<input type="radio"/> Spiderman : No Way Home
<input type="radio"/> The Matrix Resurrections
<input type="radio"/> Pushpa : The Rise Part-1
<input type="radio"/> Sing 2
<input type="radio"/> Encanto
<input type="radio"/> Chandigarh Kare Aashiqui
<input type="radio"/> Shyam Singh Roy
<input checked="" type="radio"/> 1945

**Continue**

**EDIT MOVIE FORM**

**UPDATE MOVIE**

Movie Name \*  1945

Duration \*  02h02m

Release Date \*  07-01-2022

Language \*  telugu,tam

Director \*  sathyasiva

Genre \*  action,drama

Movie Poster

Movie Banner

<https://in.bmscdn.com/events/moviedata/ET00321071.jpg>

<https://www.koimoi.com/wp-content/news-galleries/2021/12/ranbir-daggubati-1945-to-finally-release-after-long-delay-001.jpg>

**UPDATE**

**DELETE MOVIE PAGE**

**SHOWBOX**

**ACCESSIBLE**

- Movie List
- Theatre List
- Customer List

**READ-ONLY**

- Customer Reservations

**Go Back**

<input type="checkbox"/> 83
<input type="checkbox"/> Spiderman : No Way Home
<input type="checkbox"/> The Matrix Resurrections
<input type="checkbox"/> Puspa : The Rise Part-1
<input type="checkbox"/> Sing 2
<input type="checkbox"/> Encanto
<input type="checkbox"/> Chandigarh Kare Aashiqui
<input type="checkbox"/> Shyam Singh Roy
<input checked="" type="checkbox"/> 1945

**Continue**

**DELETED MOVIES PAGE**

**SHOWBOX**

**ACCESSIBLE**

- Movie List
- Theatre List
- Customer List

**READ-ONLY**

- Customer Reservations

**Go Back**

kgf part 2  
OUT OF THEATRE DATE : 2022-01-19

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**ADMIN THEATRE LIST**

**SHOWBOX**

**ACCESSIBLE**

- Movie List
- Theatre List
- Customer List

**READ-ONLY**

- Customer Reservations

**ADD THEATRE** **DELETE THEATRE**

Cinepolis, ETA Namma Mall , Binnypet
pVR, Golden Globes Mall , Kormangala
pVR Gold, Vega City, Bannerghatta Road
INOX: Geruda, Swagath Mall, Jayanagar

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**ADD THEATRE FORM**

Theatre Name \*

**ADD**

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**DELETE THEATRE FORM**

Cinepolis, ETA Namma Mall , Binnypet

PVR , Golden Globes Mall . Kormangala

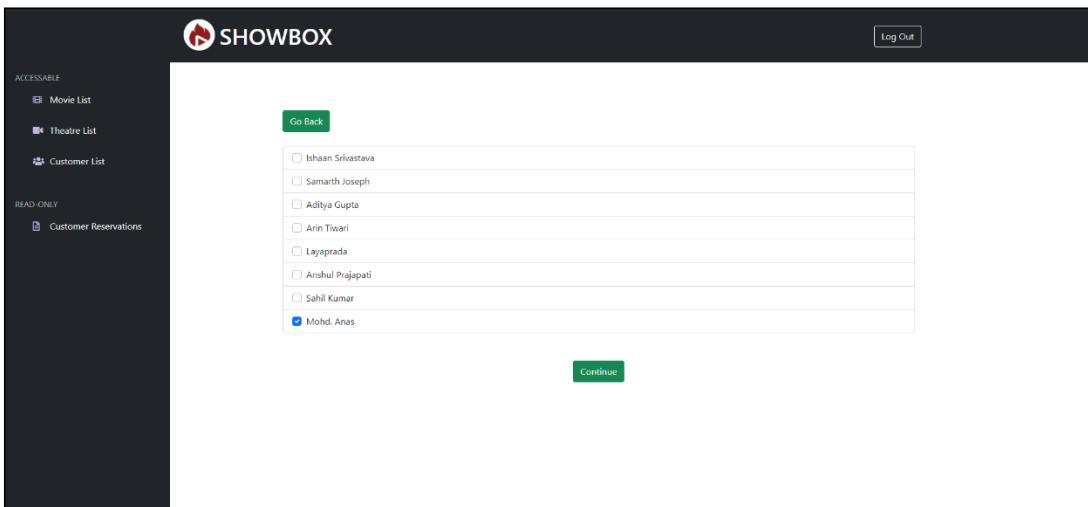
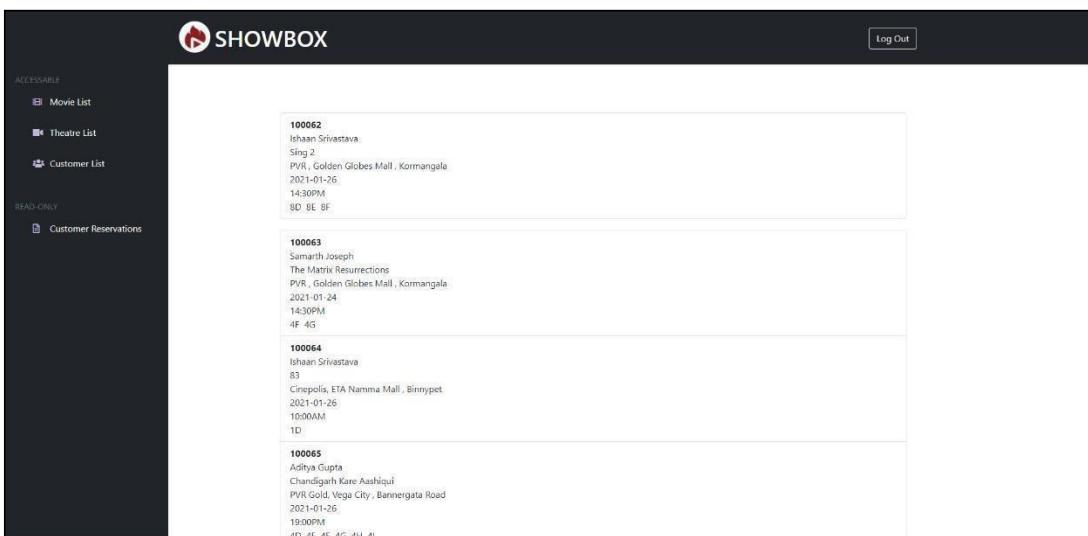
PVR Gold, Vega City, Bannerghatta Road

INOX: Garuda, Swagath Mall, Jayanagar

**Continue**

**ADMIN CUSTOMER LIST**

DELETE CUSTOMER	
Ishaan Srivastava	Log Out
ishaan@gmail.com	
981887546	
Samarth Joseph	
sam@gmail.com	
981823453	
Aditya Gupta	
ad@gmail.com	
838200161	
Arin Tiwari	
arin@gmail.com	
837662990	
Layapradha	
laya@gmail.com	
852771227	
Anshul Prajapat	
anshu@gmail.com	
987654321	
Sahil Kumar	
sahil@gmail.com	
123456789	
Mohd. Anas	
anas@gmail.com	
823647128	

**DELETE CUSTOMER****RESERVATION LIST**

## **CONCLUSION**

Nowadays, traditional reservation ways of movie ticketing is dying. Its new age where technology dominates human life. With the software and technological devices, exceptions are reduced and even terminated. Also, people prefer easy, quick and safe way for every part of his life. This project is designed to meet the requirements of a movie ticket booking system.

In this project: with this movie ticketing system; movie companies can satisfy comfortable facilities to their customers. The relationship between movie manager, employee, and customer satisfies a good communication to complete ticketing process. With this platform I developed, I hope to reduce time wasting, avoid misunderstandings, provide easy data flow, customer pleasure, and less hard work.

**Future Enhancement:** More features can be added like

- Allow customers to comment movies.
- Provide a list of upcoming movies.
- Provides the searching facilities based on various factors. Such as Movie, Customer, Show timing, etc.
- Tracks all the information of Ticket booking and Show timing, etc.
- Encrypted webpage to ensure customer privacy and transaction security.
- More user-friendly interface also in small screen devices

## **REFERENCES**

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- 2.** Documentation: <https://www.php.net/docs>
- 3.** JavaScript Enlightenment, Cody Lindley-First Edition, based on JavaScript 1.5, ECMA-262, Edition
- 4.** HTML Documentation: <https://devdocs.io/html/>
- 5.** CSS Documentation: <https://devdocs.io/css/>
- 6.** JS Documentation: <https://devdocs.io/javascript/>
- 7.** Bootstrap: <https://getbootstrap.com>
- 8.** Logo Design: <https://www.canva.com/>
- 9.** Adobe photoshop