Report – Android Mini Project

GLOBAL ENGINEERING ACADEMY

Genesis

L&T Technology Services

Document History

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Contents

List of figures

List of Tables

Contents

ACTIVITY1- Movie Ticket Booking System

Title and Introduction:

The project objective is to book Movie tickets online. The Ticket Booking System is an Internet based application that can be accessed throughout the Net and can be accessed by anyone who has a net connection. This application will reserve the tickets. This online ticket reservation system provides a website for a cinema hall where any user of internet can access it. User is required to login to the system and book the tickets. Tickets can be collected at the counter and Watching movies with family and friends in theatres is one of the best medium of entertainment after having a hectic schedule. But all this excitement vanishes after standing in hours in long queues to get tickets booked. The website provides complete information regarding currently running movies on all the screens with details of show-timings, available seats. Ticket reservations are done using credit card and can be cancelled if needed. Our online tickets reservation system is one of the best opportunities for those who cannot afford enough time to get their tickets reserved standing in long queues. People can book tickets online at any time of day or night. Our reservation system also provides support and FAQ.

1.1 Aging:

Existing methodologies are
- BookMyShow
- Insider.in
- Paytm Movie
- Ticketnow
- Just Ticket

1.2 Cost:

As its developed on an Open source platform using HTML, CSS, BOOTSTRAP, JavaScript, PHP (Login Page), the cost in inexpensive. Later, nominal charges for hosting it on internet will be charged.

1.3 Proposed Work:

Welcome to newly designed website movie ticket booking is a faster, cleaner and a tad more personal website, specially designed to make your booking experience better. Log on, navigate and find out for yourselves and if time permits leave your valuable feedback. Customers may view the contents of any movie show at any time and may book any movie ticket as needed. The program automatically calculates the subtotal and grand total. When a visitor decides to finally book the ticket, the order information including the buyer's name and billing instruction is stored in the database securely. You need to register a new user whenever you have first visited or site then for future it will be stored in our database permanently and you can book you movie ticket at any time you want with this username and password .It is easy and comfortable to use.

With interactive and eye-catching web page, the experience of booking ticket becomes more comfortable and adaptable to use. FAQ and support provided helps the user to get to know the application better and reach out to the concerned authorities if any exception occurs.

Features:

- The application can be easily accessible on Internet.
- Support and FAQ is an additional feature
- Categorized booking suggestions to filter results – Hindi, English and Regional
- Combination of HTML, CSS and BOOTSTRAP is used for frontend.
- Backend operations are achieved using JavaScript and PHP for database.

1.4 SWOT Analysis:

STRENGTH	WEAKNESS	OPPORTUNITY	THREATS
Convenient and easy to use	Payment methods can include online transactions	Market segment	Improved functionalities by competitive online ticketing portals
Free Installation	Limited theatres	Expand capabilities to cover more events and movies.	Multiple orders at same time
Constantly updated with events and movies	Possibility of mismanagement due to lack of coordination	Acquiring more partnerships with various business entities	Newly emerging competitive online ticketing portals
Compatible for every device	Part configuration	Open Segmentation	Quality Measure

Table 1 SWOT Analysis

1.5 REQUIREMENTS

1.5.1 Low level Requirements:

ID	Description
LL_01	Updating of Movies in database
LL_02	Log-in
LL_03	Signup
LL_04	Support and FAQ

LL_05	Different pages for different category (Hindi, English and Regional)
LL_06	Common Header Page
LL_07	Check seat availability according to the selected timing for that particular movie
LL_08	Log-out

Table 2 Low Level Requirements

1.5.2 High level Requirements:

ID	Description
HL_01	Compatible with all devices
HL_02	Able to login with correct details
HL_03	Maintain flow throughout
HL_04	Interaction and synchronization with database

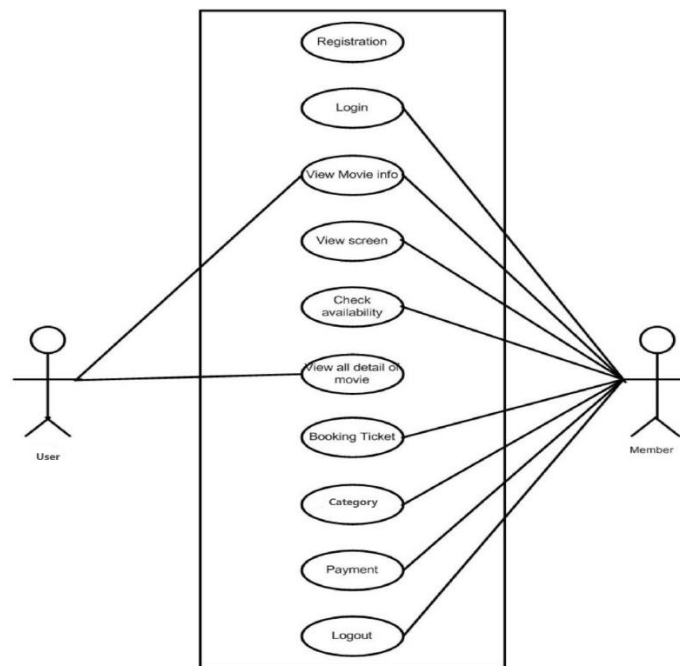**Table 3 High Level Requirements**

1.6 Behavioral design

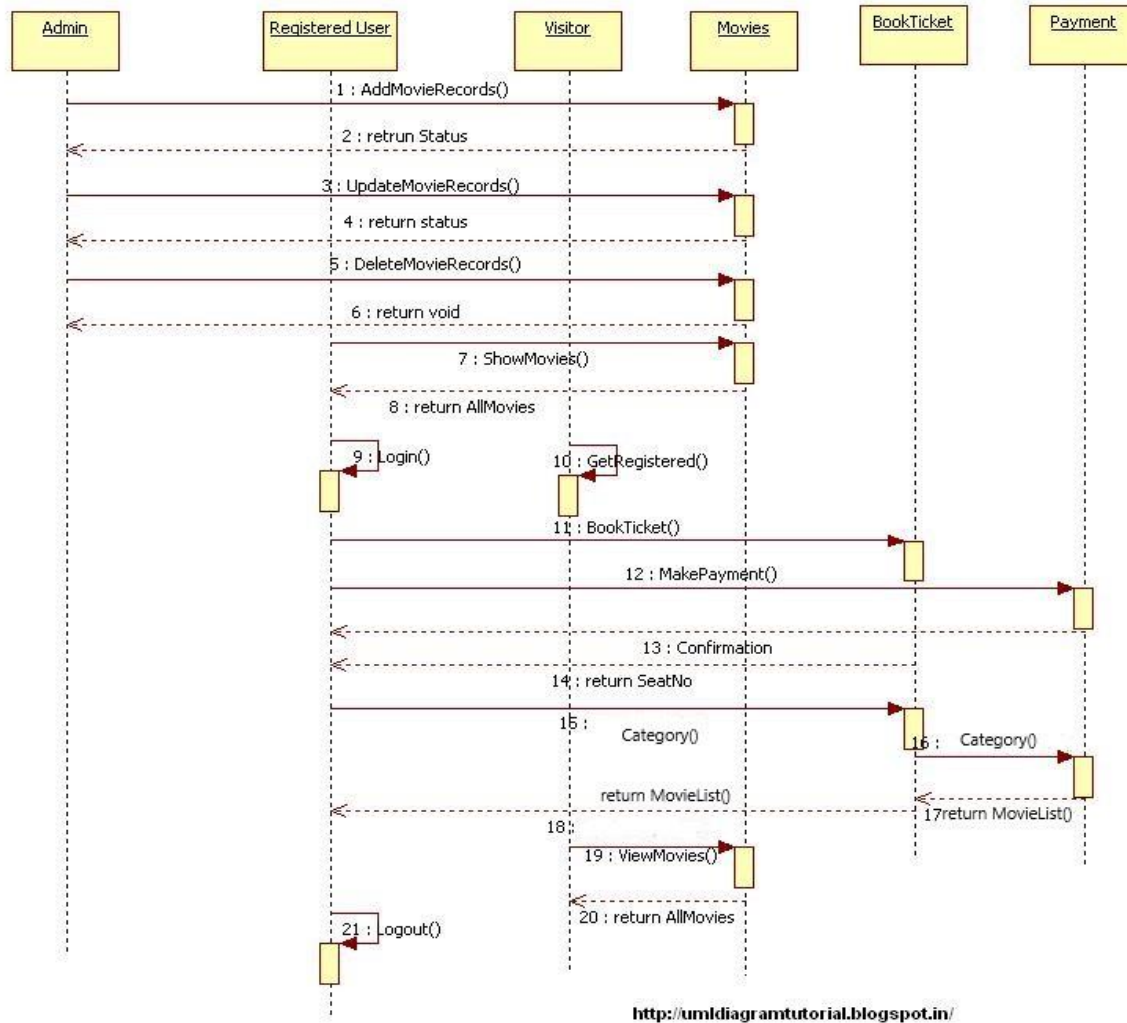**Figure 1 Behavioral - Use Case Diagram**
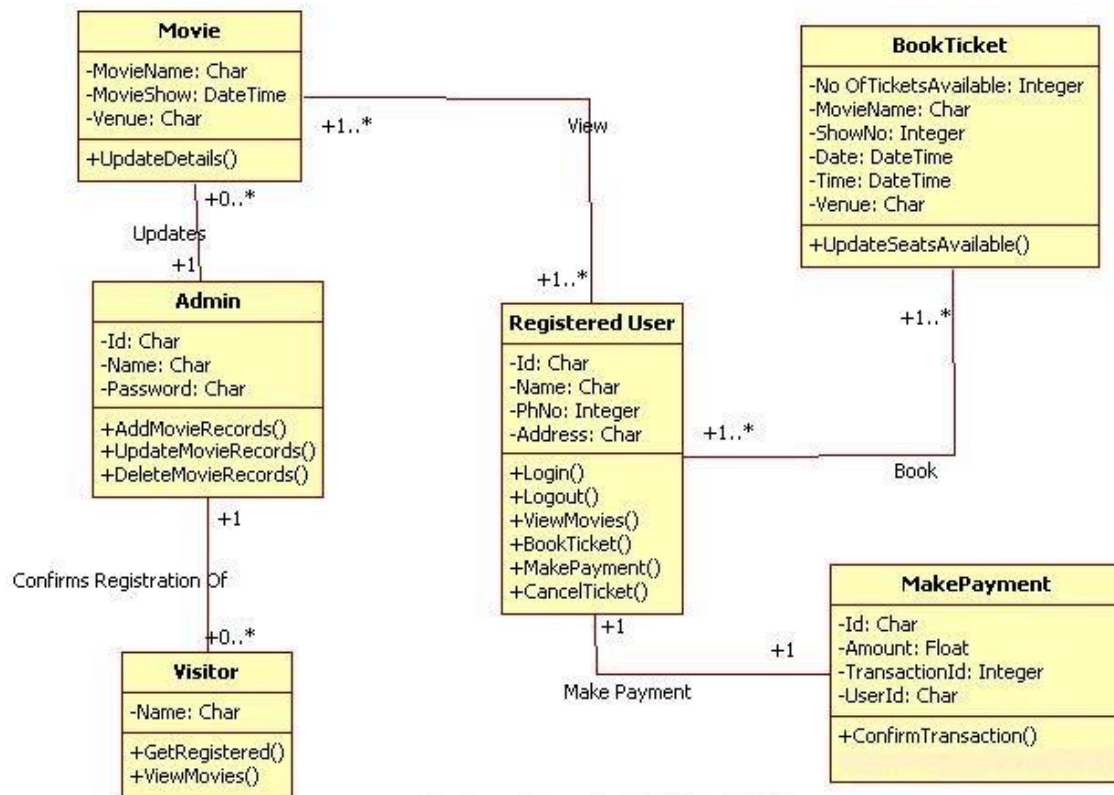
Figure 2 Behavioral – Sequence Diagram

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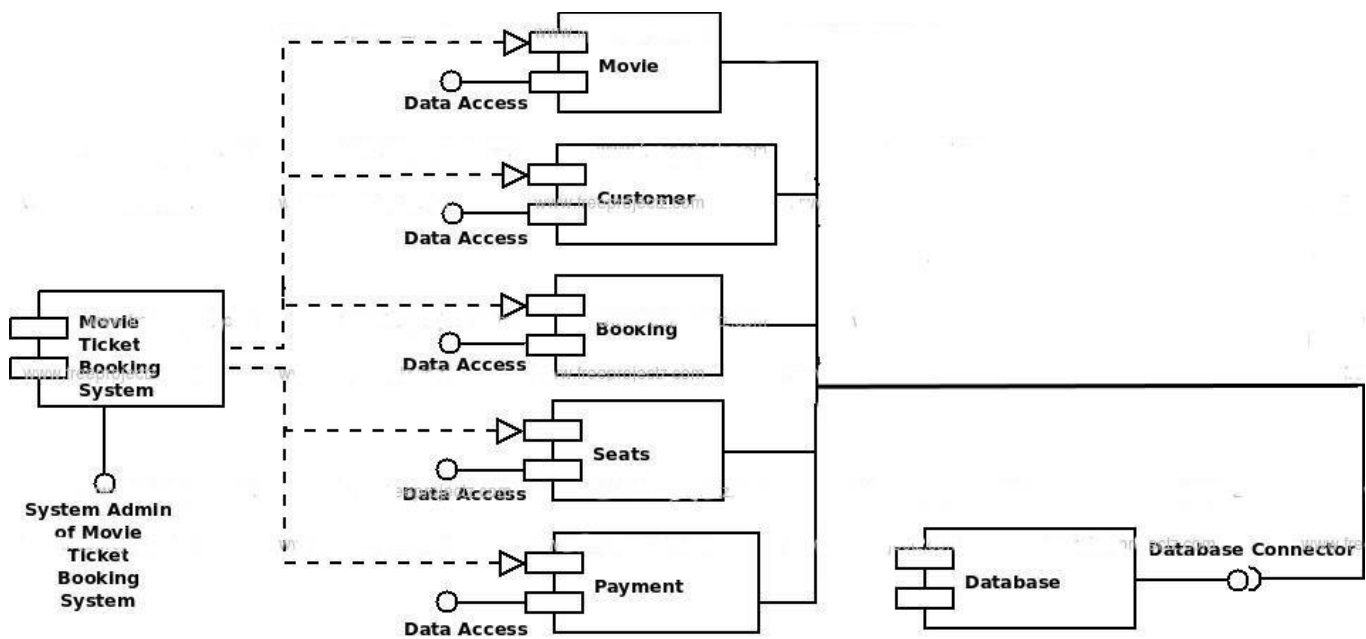## 1.7 Structural Design

Figure 3 Structural – Class Diagram

Figure 4 Structural - Component Diagram

1.8 TEST PLAN

1.8.1 Unit Testing

Test id	Description	Expected input	Expected output
HH_01	Compatible with all devices	View on desktop, tablet and mobile phones	Compatibility to view on all devices
HH_02	Able to login with correct details	Username and Password	Check with database to login successfully
HH_03	Maintain flow throughout	Login, Selecting movie, Timing, seats and checkout	Movie ticket booked successfully along with order details
HH_04	Interaction and synchronization with database	Request info from database	View requested info

Table 4 Unit Testing

1.8.2 Integration Testing

Test id	Description	Expected input	Expected output
LL_01	Updating of Movies in database	New Movie	New Movie added
LL_01	Log-in	Registered Username and password	Logged in successfully for correct details
LL_03	Signup	Username, email id and password in prescribed format	Sign -up successful with registered user
LL_04	Support and FAQ	Take information/feedback from user	Submit information to backend
LL_05	Different pages for different category (Hindi, English and Regional)	Selection of category (Hindi, English and Regional)	View movies based on the category selected
LL_06	Common Header Page		View main /header in all page
LL_07	Check seat availability according to the selected timing for that movie	Movie and timing	View available seats
LL_08	Log-out	Select log-out option	Successfully logged out from site

Table 5 Integration testing

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