



**Ahmedabad University**

**School of Engineering and Applied Science**

**Winter 2021 Semester**

# **Human Computer Interaction(HCI)**

## **Project Report-2**

**Movie Ticket Booking System**

**Guided By :**

Prof.Anurag Lakhlani

**Team Name :**

**Hypertext Assassins**

**Team Members :**

Yugamsinh Chavda(AU1841090)

Harsh Mange (AU1841130)

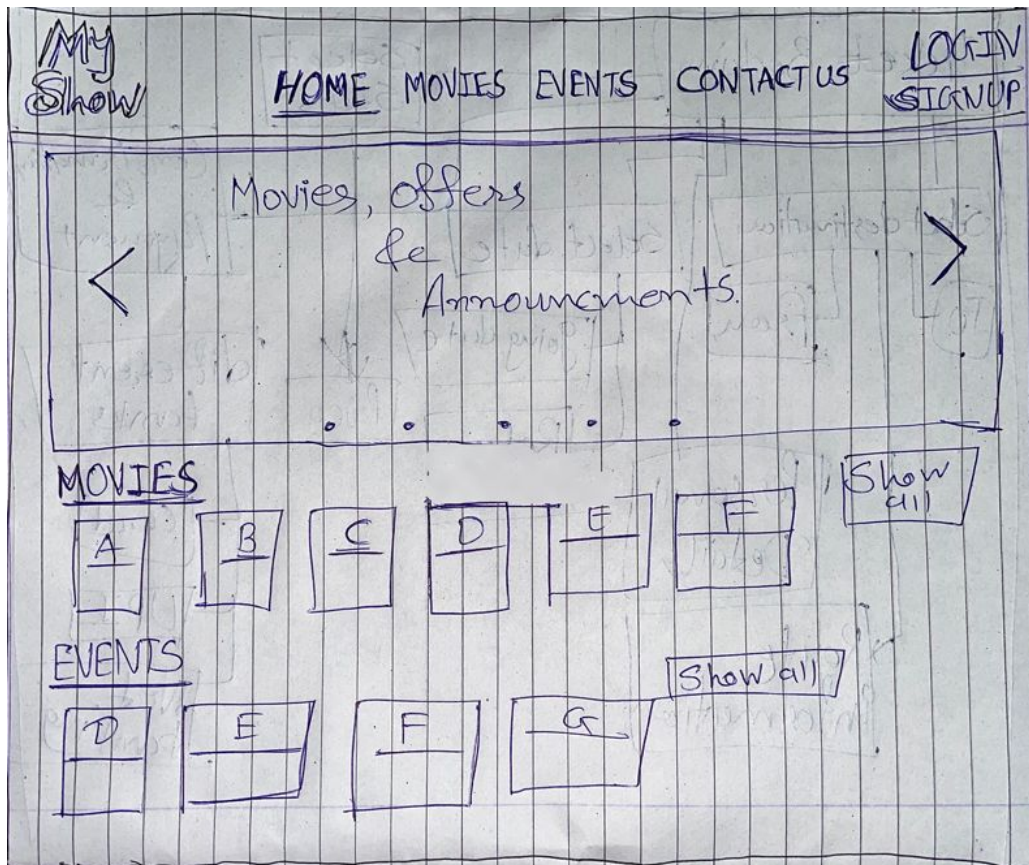
Kishan Patel (AU1841132)

Sharvil Patel (AU1841134)

- Paper-Pen design of screens : 3 designs per project group member :

❖ Kishan Patel :-

➤ Home Page:-



➤ Contact Us Page:-

[MY SHOW](#)
[HOME](#)
[MOVIES](#)
[EVENTS](#)
[CONTACTUS](#)
[LOGIN](#)
[SIGN UP](#)

### LEAVE A MESSAGE

Address : XYZ, New York.
 Mail : xyz@gmail.com  
Phone : +91 9998887766
 xyz@yahoo.in

### ➤ Payment Page:-

[MY SHOW](#)
[HOME](#)
[MOVIES](#)
[EVENTS](#)
[CONTACTUS](#)
[LOGIN](#)
[SIGN UP](#)

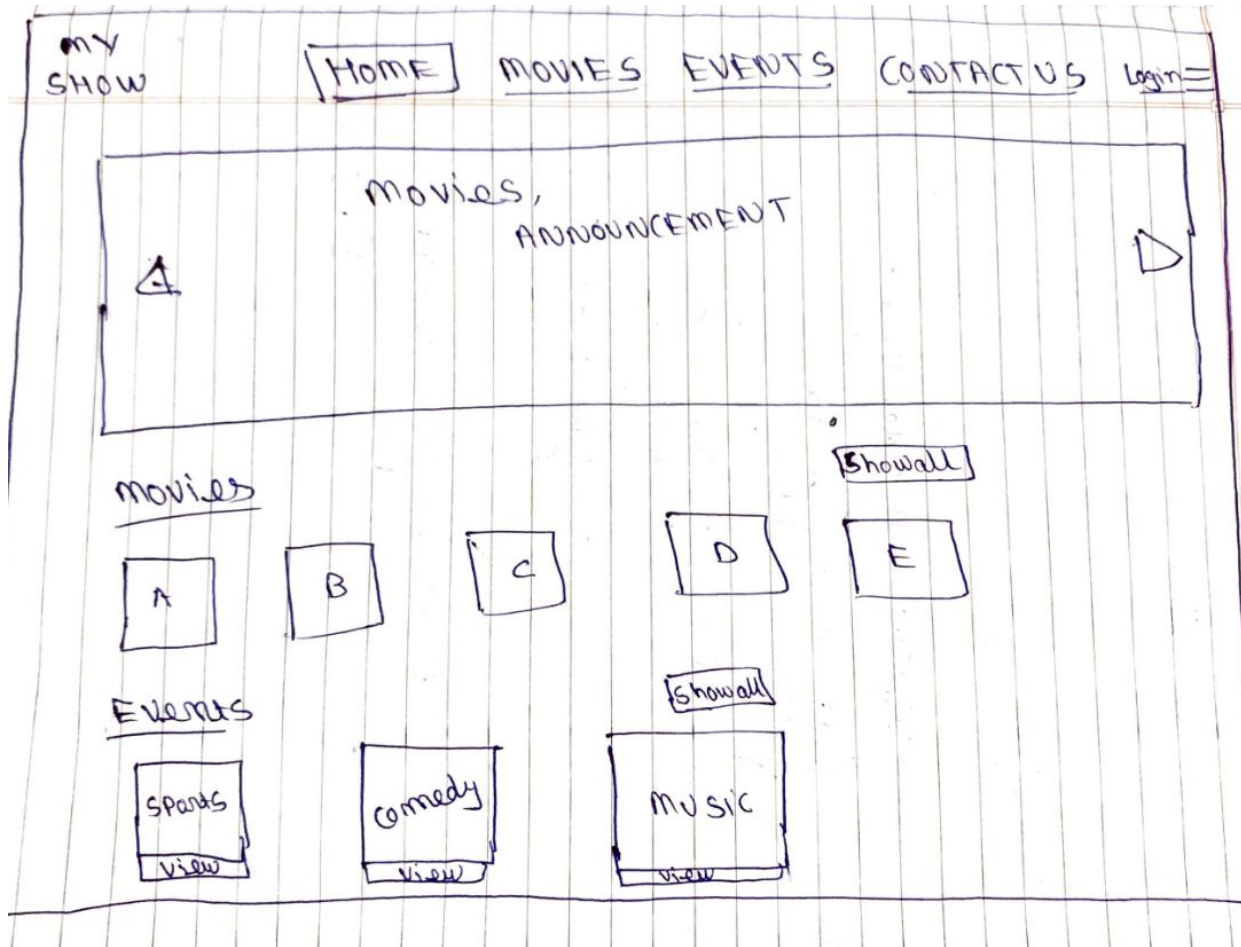
### PAYMENT

☐ Credit Card
 ☐ Net Banking
 ☐ Other payment apps
 ☒ Debit Card
 ☐ UPI

#### Debit Card Info

❖ Sharvil Patel:-

➤ Home Page:-





➤ Seat Booking Page:-

Seat Booking

my Show      Home      **MOVIES**      EVENT      CONTACT

Screen 1

Screen

movie : ABC  
Time : 4 Jan, 20  
Tickets : 6

1    ☐    ☒    ☒    ☐    ☐  
2    ☐    ☒    ☐    ☐    ☐  
3    ☐    ☐    ☐    ☒    ☒  
4    ☐    ☐    ☐    ☐    ☐  
5    ☐    ☐    ☐    ☐    ☐  
6    ☒    ☒    ☒    ☐    ☐  
7    ☒    ☒    ☐    ☐    ☐  
8    ☐    ☒    ☐    ☐    ☐

**Book**

☐ Available    ☒ Sold    ☒ Selected

➤ Payment Page:-

Payment Page

my show Home **Movies** Events Contact A

PAYMENT

Select payment method

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Credit card	Net banking	debit card	UPI

Enter details

Email \_\_\_\_\_  
name \_\_\_\_\_

~~Card~~ Card Info

Name \_\_\_\_\_  
Card No \_\_\_\_\_  
CVV

**SUBMIT**

## ❖ Yugamsinh Chavda :-

### ➤ Login Page:-

Name: Yugamsinh Chavda  
Roll No: AU1841090

# LOGIN PAGE

★ MY HOME MOVIES EVENTS CONTACT US

When you click on this icon from the home page

Image 1

Sign In

Username

Pass :

Don't have an Account ? [SIGN UP](#)

On clicking the Sign Up button, you will see the following display as below.

Create an Account

Username

Email

Create Password

Confirm Pass :

Sign Up

Already have an Account ? Sign in

Image 2




➤ Contact Us Page:-

Name: Yugansinh Chauda  
Roll No: AU1841090

## Contact Us

MY  
SHOW

HOME MOVIES EVENTS

CONTACT  
US 

Back Ground →

↑  
When you click on this button

Leave a Message

If you have any questions regarding our service, give us your feedback here


Name:

Subject:

Phone Number:

Description:

Email:



Owner:

Phone:

Email:



➤ Movies Page:-

Name: Yugansinh Chauda  
Roll No: AU1841090

Date: \_\_\_\_\_  
Page: \_\_\_\_\_

## Movies

MY SHOW HOME MOVIES EVENTS CONTACT US ⊙

Category 1:

Movie 1	Movie 2	Movie 3
<span>Book</span> <span>DESC</span>	<span>Book</span> <span>DESC</span>	<span>Book</span> <span>DESC</span>

This button will guide you to the ticket booking page

This button gives the description about the movie

Recently Watched:-

Movie 1	Movie 2	Movie 3
<span>Book</span> <span>DESC</span>	<span>Book</span> <span>DESC</span>	<span>Book</span> <span>DESC</span>

Category 2:

❖ Harsh Mange :-

➤ Login Page:-

[Home](#) [Movies](#) [Events](#) [Contact us](#) [Sign UP](#)

MY Show

Sign-UP

Email Address

OR

Phone No.

password

confirm pass..

g

 or 

Fb

Already Registered ? Login

➤ Seat Booking Page:-

My Show	<a href="#">Home</a> <a href="#">Movies</a> <a href="#">Events</a> <a href="#">Contact us</a> <a href="#">Sing-up</a> <a href="#">Sign-in</a>						
<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">Screens</div>							
	a	b	c	d	e	f	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<div style="margin-bottom: 10px;"><input type="checkbox"/> Available</div> <div style="margin-bottom: 10px;"><input checked="" type="checkbox"/> Selected</div> <div><input checked="" type="checkbox"/> Sold</div>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>Movie: <span style="border: 1px solid black; padding: 2px 10px;">Avengers</span></p> <p>Time : <span style="border: 1px solid black; padding: 2px 10px;">Feb 15 22:00</span></p> <p>Duration : <span style="border: 1px solid black; padding: 2px 10px;">3 hr, 0 minutes</span></p> <p>Tickets : <span style="border: 1px solid black; padding: 2px 10px;">3</span></p> <p>Total : <span style="border: 1px solid black; padding: 2px 10px;"><math>80\\$ + 80\\$ + 80\\$ = 240\\$</math></span></p> <p>Seats : <span style="border: 1px solid black; padding: 2px 10px;">2b, 2e, 3c</span></p>							

➤ Movies Page:-

My Show	Home	<u>Movies</u>	Events	Contact us	Sign Up Sign In
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Title Ratings: 8.6	Title Ratings: 8.6	Title Ratings: 8.2
Title Ratings: 6.3	Title Ratings: 7.3	Title Ratings: 7.7



- **Persona Development: 1 per project group member. (1 Page)**


❖ **Yugamsinh Chavda:-**



**WILLIAM CARTER**

**QUOTE**

IN ORDER TO REMAIN MOTIVATED FOR MY WORK, I NEED A LITTLE BREAK



Extrovert ↓ Introvert

Judging ↓ Perceiving

Analytical ↓ Creative

**MOTIVATION**

Enthusiasm

Knowledge

Social

**BIO**

WILLIAM IS A DATA SCIENTIST AT ONE OF THE MULTI-NATIONAL COMPANY AND SPENDS MOST OF THE TIME INFRONT OF THE SCREEN AND GETS VERY LITTLE AMOUNT OF ENTERTAINMENT.HE ENJOYS SPENDING TIME WITH HIS FRIENDS AND IS VERY MUCH FOND OF WATCHING MOVIES BUT IS NOT ABLE TO MANAGE HIS TIME IN THIS HEOTIO SCHEDULE

**BEHAVIOR**

- HE USES GMAIL AND COLAB MOST FREQUENTLY IN ORDER TO MEET THE DEADLINES
- HE STARTS HIS DAY BY BEING EXTROVERT BUT ENDS UP BEING INTROVERT AT THE END OF THE DAY

**GOALS**

- SPENDING LESS TIME PLANNING FOR A DAY OFF WITH FRIENDS
- MANAGE TIME EFFICIENTLY

**PAINPOINT**

HE HATES FOLLOWING THE DAILY ROUTINE , GOING AT THE SAME PLAGE, DOING THE SAME THING EVERYDAY AND COMING BAOK HOME. HE HATES THE FACT THAT THERE IS NO ENTERTAINMENT IN HIS LIFE AND HE MISSES GOING OUT FOR A MOVIE IN SUCH A SCHEDULE

## ◆ Sharvil Patel:-



**AJEY  
NAGAR**

GRAPHIC DESIGNER

### BIO

Ajeey Nagar is a Senior Graphic Design Specialist with 6+ years of experience in the management of the complete design process, from conceptualization to delivery.

### BEHAVIOUR

- Skilled with Adobe Creative Suite (Illustrator, Photoshop, InDesign), Microsoft Office Suite, and web design applications (Dreamweaver, HTML).
- Able to stretch the boundaries of web design
- He Enjoys Spending Time with his friends and very much fond of watching movies but gets very little amount of time to spend for that.

### GOALS

- project's overall goal, purpose and desired appearance.
- Manage Time Efficiently
- Spend extra time for personal entertainment purpose

### PAINPOINT

- He Hates Following The Daily Routine , going at the same place Doing the same thing everyday.
- There is misbelief in his mindset that there is no entertainment in his life. So he dont get time to go out and enjoy some event or movie.


### SKILLS

Graphic Design	●●●●●
Illustration	●●●●●
Photography	●●●●●
Motion Graphics	●●●●●
Videography	●●●●●
Layouting	●●●●●

### BRANDS AND INFLUENCES



## ◆ Harsh Mange:-



### Lynn Koike

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#### Quote

"I love AI and Sci-fi based movies"

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#### Bio

Lynn is a Computer Science Student at Shiraz University. She was born in USA and studying in Iran. She loves programming and Artificial Intelligence. She is Studios student. She is also working part time as an intern at one of the tech firm in Iran.

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#### Behavior

Lynn is an introvert

She is being quiet because she is stressed due to her hectic schedule and also she is studying in different country so it's difficult for her to communicate with people

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#### Goals




She is new in Iran and not aware about the places here. She wants to be entertained to take break from her hectic schedule. Also she want to save money as she is living in Iran as a student.

No. 21, 15 Alpha St Babol, Mazandaran, Iran

775-345-3464

Lynn.koike@gmail.com

www.lynnkoike.com

## ❖ Kishan Patel :-



### BIO

Brian is a data analyst at a multinational industry and spends most of his time in analyzing the different types of data, concluding that data by generating reports and etc. So, most of his time is going in front of screen.

Brian likes to watch new movies, playing sports and reading novels in his free time. He also likes to play games on PC and mobile phones. He has kind of sweet personality. People usually likes to be around him which leads to a big friend circle.

### QUOTE

"Gathering every little data helps me to find and think **g** effective solution to any problem."

### GOALS

- Do some Exercise
- Manage the tasks efficiently
- Help needy

### CONTACT

PHONE:  
+91-123456789

WEBSITE:  
Xyz.com

EMAIL:  
[brian@example.com](mailto:brian@example.com)

# BRIAN JOHNSON

Senior Data Analyst

### BEHAVIOUR

He starts his day as an extrovert and end up by being an introvert.

He is passionate and sweet because of his habit to listen the music to increase productivity and to relive from anxiety.

### PAINPOINT

He like to watch movies but because of his hectic schedule he can't spare time to buy or enquire about tickets and movie at the same place.

He hates following his daily routine of going to work in early morning and coming back at home tired. As he has no time to spent to entertain himself.

### TECHNOLOGY



### BRANDS AND INFLUENCERS





- **Scenario Description : 1 per project group member.**

❖ **Kishan Patel :-**

Here, when the user visits the website called “MyShow”, User will be prompted to Log in with his/her registered email id and password. Users can skip this option and go to the home page where he/she will select the movie along with the movie theatre and then will proceed to the seat booking section where he/she can select the date and time of the movie. While booking seats, the booking system will show the tickets availability and price. After the user clicks the ‘Book Seats’ button, the system will check if the user is logged in or not and will prompt to login first if not. Then the user will be redirected to the payment and confirmation page and upon successful payment, A ticket will be sent to the user via registered email.

❖ **Yugamsinh Chavda :-**

William is a data scientist at one of the multinational companies and spends most of his time in front of the screen and gets very little entertainment. He enjoys spending time with his friends and is very much fond of watching movies but is not able to manage his time in this hectic schedule. He is looking at a place where he could book for a movie without wasting too much of his time. Our app provides a place where he could book for a movie with his friends by following some simple steps which are made in such a way that there are very few chances of error. He doesn't need to login at first when he enters a website which is different as seen compared to other websites. He can easily search for his desired movie theatre, movie , date and time along with the seat number without going to an individual place for inquiry which helps him save a lot of time and he can

as well as book tickets online with the help of various payment options and get the receipt through the email.

❖ **Harsh Mange :-**

Lynn Koike is a Computer Science Student in Iran. She was born in the US but is studying here. She is also doing a part time internship. Now, The main issue with her is that she likes watching movies to take a break from her hectic schedule but she is not aware of theatres near by and also as a student in a different country, she wants to save money. Our web-site 'MyShow' can help her to find theatre with budget movie tickets. She can find different section on the home page i.e. Exclusive Movies, Trending Movies, Upcoming Movies, etc. In the Movies page, She can go through the different genres of movies. On the seat selection page, seats will be highlighted by different colors like green, red, gray to represent available seats, booked seats, selected seats. So, She can easily choose her seat. Payment pages will handle all the payment related processes where she can choose different payment methods like cards, UPI or net banking.

❖ **Sharvil Patel:-**

Ajeet nagar is graphic designer at one of the most prominent company and spends most of his time in front of the screen so he gets very less amount of time to spare it for entertainment. He also likes to attend some live musical events, sports events. So our website My Show will be very much helpful for him. There will be a signup page if a new user visits the website. The existing user will login and can select which movie to watch. The website will have different web pages like home page, Movies section, Events Section, contact us. In movies there will be list of movies on the basis of their different genres. The movie can be booked by selection of his choice and after that user can select his desired seat and proceed accordingly. The system will also check that there won't be any clash in seat

selection. And Payment page will handle the payment process where different options will be available to user like UPI, Credit card, Debit card, Net banking. An electronic generated ticket will be sent to the user through email.

- **Use Case Description : 1 per project group member.**

- ❖ **Yugamsinh Chavda :-**

Use Case:-

1. The user enters the login credentials.
2. The system checks if the entered credentials are valid or not.
3. The user chooses the option to book a movie ticket.
4. The system prompts the user to enter the location of the movie theatre.
5. The user then enters the place.
6. The system then looks for the items that satisfies the inputted condition and then presents with a list of Theatres.
7. The user then enters or searches for the movie he wishes to watch.
8. The user selects the date and time when he wishes to watch the movie.
9. The system checks if the chosen movie is available on that particular inputted time or not.
10. The user selects the seat in the theatre.
11. The system checks for the availability of that seat.
12. The system makes that seat unavailable for others and prompts the user to enter the payment details for booking the ticket.
13. The user enters the details for the payment.
14. The system performs the transaction and sends the print of the ticket through the Email.

### Alternative Courses:-

- 2. If the entered credentials are not valid
  - 2.1 The system displays an error message
  - 2.2 The system returns to step 1
  
- 5. If the entered location is invalid
  - 5.1 The system displays an error message
  - 5.2 The system returns to step 4
  
- 9. If the particular movie is not available at that time
  - 9.1 The system displays an error message
  - 9.2 The system returns to step 7
  
- 11. If that particular seat is not available
  - 11.1 The system displays an error message
  - 11.2 The system returns to step 10

### ◆ **Kishan Patel :-**

#### Use Case:-

- 1. User login using registered email address and password or skip log in.
- 2. System checks the login credentials are correct if the login button is clicked.
- 3. Users can select the movies from the cards shown on home screen or can search the movie name and select the movies from search results.
- 4. After selecting the movie, the user can see details about the movie and proceed to book by clicking the book seats button.
- 5. Upon clicking the book button, User will get a prompt to select the city or the location of his/her locality.



6. System will show the list of theaters according to the location entered in step 4.
7. Then the user can select the date and time to watch that movie from the given list of shows.
8. The user will select the seats of his choice.
9. System will check the availability of the selected seats and inform the user about that.
10. Upon the click on Book tickets button, System will check if the user is logged in or not and will prompt to login first if not.
11. After step 9, the user will be redirected to the payment and confirmation page.
12. User enters the payment details and the system will perform the payment transaction.
13. Tickets will be sent via mail and the system will reserve the selected seats and will make them unavailable for other users.

#### Alternative Courses:-

2. If the entered credentials are not valid
  - 2.1 The system displays an error message
  - 2.2 The system returns to step 1
5. If the entered location is invalid
  - 5.1 The system displays an error message
  - 5.2 The system returns to step 4
9. If that particular seat is not available
  - 9.1 The system displays an error message
  - 9.2 The system returns to step 8
12. If that payment information is invalid
  - 12.1 The system displays an error message
  - 12.2 The system returns to step 10

## ❖ Harsh Mange :-

### Use Case:

1. Users can Sign-Up/Sign-In at the start of the site. User can also skip this process for now
2. Users may explore the different sections for movies like 'Currently Trending', 'Recommended', 'Exclusive' OR search for specific movies OR find the movies based on genre.
3. On clicking a specific movie, System will take the user to the Movie detail page where there'll be a movie description, trailer, rating, button to book tickets.
4. By clicking on 'book tickets', the system will prompt the page to select theatre, screen and time.
5. Users will be prompted to seat selection page by selecting theatre, screen and time.
6. Users will have to select the seats from an interactive seats page where seats will be highlighted in different colors like 'red', 'green', 'gray' in order to describe 'booked seats', 'available seats', 'selected seats'.
7. By selecting seats, ticket price and total price will be described clearly on the seat selection page.
8. By clicking on 'Pay Now', the user will be prompted to the payment page where the user can use cards, net banking or UPI for payments.
9. By proceeding to payment, users will be able to access ticket details.

### Alternative Courses:-

4. Users may find the theatres by entering their city name.
  - 4.1 if movie is not available in that particular city then system will prompt an error message
  - 4.2 The system returns to step-4

8. On clicking the 'Pay Now' button, the system will check if the user is currently logged in or not.

8.1 If user is not logged in then system will prompt an error message

8.2 The system returns to step-1 (no option to skip sign-in/sign-up)

◆ **Sharvil Patel:-**

Use Case:-

1. user enters his login details
2. System checks if the details are valid or not.
3. The user chooses the option to book a movie ticket
4. user then search for his desired movie
5. The user selects the date and time when he wishes to watch the movie.
6. The system checks if the chosen movie is available on that particular time or not.
7. The user selects the seats in the theatre as per his wish
8. The system checks for the availability of that seat
9. System shows the payment portal for the user to enter the payment details for booking the ticket.
10. The user enters the details for the payment
11. The system performs the transaction and sends the print of the ticket through the Email

Alternative courses:-

2. If the entered credentials are not valid
  - 2.1 The system displays an error message
  - 2.2 The system returns to step 1
6. If the particular movie is not available at that time

6.1 The system displays an error message

6.2 The system returns to step 4

8. If that particular seat is not available

8.1 The system displays an error message

8.2 The system returns to step 7