



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur
Department of Information Technology
Session 2024-25

Title of The Project

Online Tickets Reservation System For Cinema Halls

ABSTRACT

The Online Tickets Reservation System for Cinema Halls is designed to offer a seamless, efficient, and user-friendly platform for booking cinema tickets online. In today's fast-paced world, traditional methods of purchasing tickets at cinema counters are becoming obsolete, as users demand quick and convenient alternatives. This system aims to revolutionize the way cinema tickets are purchased by providing a web-based solution that allows users to book tickets anytime, anywhere, with just a few clicks.

The platform is developed using modern web technologies, ensuring a responsive interface that adapts to different devices, including desktops, tablets, and smartphones. It offers users a real-time view of available seats, movie schedules, and pricing. Secure payment gateways are integrated to provide a smooth and safe transaction experience. Additionally, the system incorporates features such as user authentication, personalized accounts, booking history, and notifications to enhance user engagement and convenience.

Cinema administrators also benefit from this system by managing screenings, schedules, and seat availability through a dedicated backend interface. Real-time reporting and analytics tools are provided to help cinema management optimize seat occupancy, enhance operational efficiency, and improve customer service.

By streamlining the ticket booking process, the Online Tickets Reservation System for Cinema Halls aims to enhance the overall movie-going experience for both customers and cinema operators, making it a preferred solution in the entertainment industry.

Project Members:

Aditya Pratap Singh (21ESKIT007)

Aman Jain (21ESKIT013)

Ayush Jhawar (21ESKIT028)

Mentor:

Mr. Vipin Jain (Assistant Professor)

Lab Coordinator:

Mrs. Priyanka Yadav (Associate Professor)

MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 20__)

NAME OF LAB COORDINATOR: Mrs. Priyanka Yadav

TITLE OF PROJECT: Online Tickets Reservation System for Cinema Halls

PROJECT TRACK: (Tick the appropriate one / ones)

1. R&D (Innovation)	2. CONSULTANCY (Fetched from Industry)	3. STARTUP (Self-Business Initiative) <input checked="" type="checkbox"/>	4. PROJECT POOL (From IBM / INFOSYS)	5. HARDWARE / EMBEDDED
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BRIEF INTRODUCTION OF PROJECT:

The Online Ticket Booking Reservation System allows users to browse movies, view showtimes and book tickets online. It includes features like user authentication, movie search, ticket booking and payment integration. Administrators can manage shows, tickets and profiles through dedicated management modules.

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
HTML, CSS3, Tailwind CSS	V1.93	Software	Structure and designing of site
Next JS	V14	Software	Fullstack framework
Postgres database	V17	Software	Database management
Docker	V3	Software	Containerization

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
User Authentication	Allows login, register and manager their session.
User Profile Management	Users view and update their profile details.
Admin / Manager	Admins can manage movies and events details.
Movies	Users can search and view details of movies.
Ticket Booking	Allows users to book and view seats of shows.
Payment gateway Integration	Processes payments using secure online methods.

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE NO.	EXPERTISE AREA	ROLE IN PROJECT
Aditya	Pratap Singh	7ITA-G1	7597591119	Frontend, UI/UX design Front-end developer
Gulman Jain	7ITA-G1	8824285874	Backend, Mobile APP	Back-end developer
Ayush Jhawar	7ITA-G1	7300213489	Database, Mobile compatibility	Database Administrator

NOTE: 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.
 2. Students must keep a Xerox copy of this form as reference for project work and attach it to final report.

ROLE SPECIFICATION OF TEAM MEMBERS [Form – 2]

MEMBER 1 <u>Aditya Pratap Singh</u>		HANDLING MODULE Admin and Movie search module	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Homepage			Landing page displaying movies, shows and further details.
Login and Signup page	16/09/24	12/10/24	Design page for user's registration & login.
Admin page			Interface for administration.
Setting			Section for manage system settings.
Mobile Compatibility			Responsive site feature for mobile device.
MEMBER 2 <u>Aman Jain</u>		HANDLING MODULE User authentication & Profile module	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Profile page	16/09/24	27/10/24	Section to manage user's personal details.
Your orders			Implement functionality for past bookings.
APTs integration			Integrate external APIs.
Server-side rendering			Ensure the site renders dynamic pages.
Deployment			Hosting the website and live configuration.
Mapping			Page to locate cinemas and shows.
MEMBER 3 <u>Ayush Jhawar</u>		HANDLING MODULE Ticket booking & Payment module	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
User database	16/09/24	27/10/24	Design a database for user's information.
Admin database			Database design for shows and seat listing.
Authentication database			Implement a secure database for user's authentication.
Booking page			Develop a ticket booking interface.
Payment gateway			Integrate a secure payment gateway.
MEMBER 4		HANDLING MODULE	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)

MENTOR'S NAME & SIGNATURE Mr. Vipin Jain

- NOTE:** 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.
 2. Every member student must keep a Xerox copy of this form as reference for his / her part in project work.
 3. Students must provide the detailed list of planned activities along with their completion deadline dates.
 4. The lab coordinator will check the weekly progress of student against the information provided in this form.

Form-3
PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 1		Aditya Pratap Singh		
NAME OF PROJECT		Online Tickets Reservation System for Cinema Halls		
OTHER TEAM MEMBERS		2. Aman Jain	3. Ayush Jhalvar	4.
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
16/09/24	Register	Completed		
	Login			
16/10/24	Homepage	Work in progress		
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE
LAB COORDINATOR's remarks & Signature _____				

- NOTE:** 1. This form is to be maintained in a file by lab coordinators for student – 1 of the team to track his / her progress.
 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
 3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
 4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.
 5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.
 6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

Form-3
PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 2		Aman Jain		
NAME OF PROJECT		Online Tickets Reservation System for Cinema Halls		
OTHER TEAM MEMBERS		1. Ayush Jhawar	3. Aditya Pratap Singh	4.
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
16/09/24	Register / Login	Completed		
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE
LAB COORDINATOR's remarks & Signature _____				

- NOTE:** 1. This form is to be maintained in a file by lab coordinators for student – 2 of the team to track his / her progress.
 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
 3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
 4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.
 5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.
 6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

Form-3
PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 3		Ayush Jhawar		
NAME OF PROJECT		Online Tickets Reservation System for Cinema Halls		
OTHER TEAM MEMBERS		1. Aditya Pratap Singh	2. Aman Jain	4.
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
16/09/24	Register / Login	Completed		
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE
LAB COORDINATOR's remarks & Signature _____				

- NOTE:** 1. This form is to be maintained in a file by lab coordinators for student – 3 of the team to track his / her progress.
 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
 3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
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 6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

MAJOR / MINOR PROJECT TRACK BIFURCATION GUIDELINES

The projects to be undertaken in MINOR and MAJOR project schemes are expected to belong to one or more tracks suggested ahead. These project tracks have been structured as follows:

TRACK	TRACK DETAILS	SAMPLE PROJECT TYPES
RESEARCH & DEVELOPMENT PROJECTS (Innovation)	<p>1. Projects involving proposal of any INNOVATIVE ELEMENT (theorem, formula, algorithm, procedure, design etc.) will be considered under this track.</p> <p>2. A detailed and well published work, i.e. research paper in a journal / conference, (preferably in SKIT research journal or NCETCE conference) will be expected at the end of such 7th semester.</p>	<p>1. Cloud based applications involving a resource managing / scheduling algorithm.</p> <p>2. Big data applications for reporting or prediction of results</p> <p>3. Machine learning application for summarizing / scanning data values.</p>
CONSULTANCY PROJECTS (Fetched from Industry by FACULTY or STUDENTS)	<p>1. Projects achieved from industrial / commercial organizations to be developed as a solution of their problem / requirement will be considered as consultancy projects.</p> <p>2. Only project proposals accompanied by well documented consultancy agreement by such industrial / commercial organizations carrying their authorized signatures and seal will be considered under this track.</p> <p>3. Any kind of financial payment / remuneration / honorarium drawn from the client organization by the team members must be placed in knowledge of concerned project mentor, lab coordinator and HOD.</p>	<p>1. Contract for developing Android app for a business organization</p> <p>2. Contract for developing a web based ERP solution for an organization</p> <p>3. Contract for developing an automation unit (hardware & software) for a manufacturing plant.</p> <p>4. Contract for developing a scheduling software for a mechanical / electrical setup.</p>
STARTUP PROJECTS (Self-Business Initiative)	<p>1. Projects involving solutions (software / hardware / web application / mobile app etc.) for a proposed business startup will be considered as startup projects.</p> <p>2. Only project proposals accompanied by well documented business plan certified by an expert (academic / industrial / commercial person or organization) will be considered under this track.</p> <p>3. Any kind of financial information required / planned for setup must be placed in knowledge of concerned project mentor, lab coordinator and HOD.</p>	<p>1. Developing an Android app for a chain of dealers joining a common business domain (Grofers, Flipkart)</p> <p>2. Developing a cloud based file management system (Evernote)</p> <p>3. Developing a search & recommendation application for hotels and restaurants (Zomato)</p>
PROJECT POOL (Listed by IBM / INFOSYS)	<p>1. Projects available in project pool prescribed by Infosys & IBM will be considered as industry projects.</p>	<p>1. Library Management System</p> <p>2. Online Resume Builder</p> <p>3. Prison Management System</p>
HARDWARE (EMBEDDED PROJECTS)	<p>1. Projects involving any hardware component (electrical or electronic circuit / mechanical apparatus etc.) will be considered as hardware based project.</p> <p>2. Any requirement (fabrication / assembly etc.) for hardware projects should be placed in knowledge of concerned project mentor, lab coordinator and HOD for provision of adequate support and guidance.</p>	<p>1. Android based control or automation unit for home appliances</p> <p>2. RFID based token collection / attendance management system</p>