

ONLINE MOVIE TICKET BOOKING SYSTEM

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Abstract—

The online movie ticket system provides a website for a cinema hall where any internet user can access it. User is required to login to the system and needs booking the tickets. 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 customer will need to enter the information related to film after which the system will provide complete information regarding currently running movies with details of show timings and available seats. The user can order his favorite snacks in app which will be served to them in the cinema hall. If seats are available, the customer can change the position of the seats while they will get an option to cancel of tickets .If cancellation request is before three hours of their movie timing then refund facility is also provided to that user.

Our online movie ticket system is one of the best opportunities for those who cannot afford enough time to get their tickets reserved standing in long queue.

In this system, the staff of the cinema hall won't have to do anything for the ticket booking as the process will be done by the customer through the app which will reduce the amount of staff required in the booking counter.

Keywords:

HTML, CSS, JavaScript

I. INTRODUCTION

MOVIE TICKET BOOKING IN WEB SYSTEM IS BASICALLY MADE FOR PROVIDING THE CUSTOMERS AN ANYTIME AND ANYWHERE SERVICE FOR BOOKING CINEMA TICKETS AND PROVIDING INFORMATION REGARDING MOVIES AND THEIR ONLINE SCHEDULE. DUE TO INCREASE IN TECHNOLOGY AND DIGITALIZATION ONLINE MOVIE SYSTEM HAS BECOME MUCH MORE POPULAR. INSTEAD OF WASTING TIME IN QUEUES OF MOVIE COUNTER, IT PROVIDES EASY AND EFFICIENT WAY TO BOOK THE TICKETS ONLINE. IT IS QUITE FASCINATION TO SIT AT HOME BROWSE THE MOVIES WHICH HAVE BEEN RELEASED, READ THE REVIEW AND THEN BOOK THE TICKETS ACCORDING TO OUR FEASIBILITY. ONLINE CINEMA TICKET BOOKING SYSTEM IS ACTUALLY IN ACTION FOR THE LAST 15 YEARS BUT IT GAINED ITS POPULARITY AFTER 2004 AND ITS REACH INCREASED SEVERAL FOLDS IN THE PAST 6-10 YEARS BECAUSE OF INCREASING NET ACCESSIBILITY. THE MAIN AIM OF THE SYSTEM IS TO PROVIDE COMPLETE INFORMATION OF THE MOVIE AND SCHEDULE TO THE CUSTOMER, ACCORDING TO WHICH HE/SHE CAN BOOK THE TICKETS. THE PRIMARY PURPOSE OF MAKING THE ONLINE CINEMA TICKET BOOKING SYSTEM IS TO CREATE AN AUTOMATIC ONLINE BASED SYSTEM WHICH WILL PROVIDE AN EASY AND AN ALTERNATE WAY TO BOOK A TICKET FOR A MOVIE. THE CUSTOMER WILL NEED TO ENTER THE INFORMATION RELATED TO FILM AFTER WHICH THE SYSTEM WILL PROVIDE OPTIONS TO BOOK THE TICKET. IN THIS ONLINE CINEMA TICKET BOOKING SYSTEM, THE STAFF OF THE CINEMA HALL WON'T HAVE TO DO ANYTHING FOR THE TICKET BOOKING AS THE PROCESS WILL BE DONE BY THE CUSTOMER THROUGH THE WEB WHICH WILL REDUCE THE AMOUNT OF STAFF REQUIRED IN THE BOOKING COUNTER. BOOKING SYSTEM WILL PROVIDE DETAILED INFORMATION SO THAT A CUSTOMER CAN KNOW ABOUT THE MOVIE AND BASED ON THE INFORMATION CUSTOMER WILL BOOK THE TICKET. THE CUSTOMER CAN BE PRESENTED WITH A BOOKING PAGE, WHICH ALLOWS THEM TO ADD MORE OF THE SAME ITEMS OR REMOVE ITEMS FROM THE COMBO ITEMS. THE BOOKING PAGE ALSO SHOWS THE SEAT TYPE TO BE BOOKED, NO OF SEATS TO BE BOOKED,

LITERATURE REVIEW

A literature survey on a movie streaming application project would involve reviewing online movie streaming to watch from phone, laptop etc. Human resources management systems, and related technologies. Here's a structured approach you could take: **Introduction to Movie Streaming Application:** Understand the evolution and significance of movie streaming in the phone, laptop etc. Explore how movie streaming have transformed traditional hiring methods. Look for statistics and trends regarding the usage of movie streaming by phone, laptop etc. **Key Features and Functionalities of Movie Streaming Application:** Identify common features such as movie postings, search filters, application tracking systems, etc. Analyze the importance of user experience design in movie streaming. Investigate any emerging features or trends in movie streaming development. **Technological Infrastructure:** Examine the technology stack commonly used in building movie streaming (e.g., databases, programming languages, frameworks). Explore the role of artificial intelligence (AI) and machine learning (ML) in enhancing movie streaming algorithms and candidate screening processes. **Challenges and Solutions:** Identify challenges faced by job portals such as fake job postings, spam applications, biased algorithms, etc. Review research on solutions to these challenges, such as fraud detection algorithms, automated candidate screening tools, etc.

METHODOLOGY

PROJECT PLANNING AND REQUIREMENTS GATHERING: DEFINE THE OBJECTIVES, FEATURES, AND TARGET AUDIENCE OF THE WEBSITE. **GATHER ALL THE FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS.** **DATABASE DESIGN:** DESIGN THE DATABASE SCHEMA USING MONGODB TO STORE DATA, SUCH AS CANDIDATE, EMPLOYER, RESUME, JOBS ETC. **BACKEND DEVELOPMENT WITH NODE.JS AND EXPRESS.JS:** IMPLEMENT THE SERVER-SIDE LOGIC TO HANDLE USER REQUESTS, AUTHENTICATION, AND INTERACTIONS WITH THE MONGODB DATABASE. **API DEVELOPMENT:** CREATE RESTFUL APIS TO HANDLE CRUD OPERATIONS (CREATE, READ, UPDATE, DELETE) FOR RECIPES AND USER-RELATED ACTIONS. **USER AUTHENTICATION AND AUTHORIZATION:** IMPLEMENT USER AUTHENTICATION AND AUTHORIZATION USING TOOLS LIKE JSON WEB TOKENS (JWT) TO SECURE THE API ENDPOINTS AND MANAGE USER SESSIONS. **FRONTEND DEVELOPMENT WITH REACT.JS:** BUILD THE USER INTERFACE FOR THE WEBSITE, ALLOWING CANDIDATE TO SEARCH JOB, APPLY JOB AND BUILD RESUME. **USER INTERFACE DESIGN:** DESIGN AN INTUITIVE AND VISUALLY APPEALING USER INTERFACE WITH RESPONSIVE LAYOUTS, MAKING IT ACCESSIBLE ACROSS DIFFERENT DEVICES. **USER INTERACTION AND SOCIAL FEATURES:** ALLOW CANDIDATE TO VIEW INTERVIEWS. IMPLEMENT FEATURES TO CREATE CANDIDATE PROFILES AND SAVE THE PROFILE. **TESTING:** PERFORM UNIT TESTING, INTEGRATION TESTING, AND USER TESTING TO ENSURE THE WEBSITE FUNCTIONS CORRECTLY AND MEETS THE REQUIREMENTS. **SECURITY CONSIDERATIONS:** ENSURE DATA SECURITY BY VALIDATING USER INPUTS, SANITIZING DATA, AND PROTECTING AGAINST COMMON WEB VULNERABILITIES. **COMMUNITY AND FEEDBACK:** ENCOURAGE USER ENGAGEMENT, FEEDBACK, AND COMMUNITY BUILDING TO ENHANCE THE WEBSITE'S GROWTH AND CONTENT QUALITY.

II. SYSTEM DESIGN

SYSTEM DESIGN IN A JOB PORTAL PROJECT IS A MULTIFACETED PROCESS THAT INVOLVES UNDERSTANDING THE REQUIREMENTS, PLANNING THE ARCHITECTURE, DESIGNING THE DATABASE, IMPLEMENTING THE USER INTERFACE AND BACKEND LOGIC, AND INTEGRATING THIRD-PARTY SERVICES. BY FOLLOWING BEST PRACTICES IN SYSTEM DESIGN AND LEVERAGING MODERN TECHNOLOGIES AND FRAMEWORKS, A WELL-DESIGNED JOB PORTAL PLATFORM CAN PROVIDE A SEAMLESS AND EFFICIENT EXPERIENCE FOR JOB SEEKERS AND EMPLOYERS ALIKE, FACILITATING THE CONNECTION BETWEEN TALENT AND OPPORTUNITIES IN THE JOB MARKET.

III. IMPLEMENTATION

it's essential to collaborate closely with stakeholders, iterate based on feedback, and prioritize features based on user needs and project goals. Additionally, following best practices for software development, such as modular design, code reusability, and documentation, will contribute to the success of the job portal project.



IV. RESULTS

a job portal project can be evaluated based on various factors, including user engagement, adoption rate, efficiency in matching candidates with job opportunities, satisfaction of employers and job seekers, and impact on the recruitment process. Here are some potential results or outcomes:

User Engagement: Increased traffic and active user participation on the job portal platform.

Higher frequency of user interactions, such as job searches, profile updates, and job applications .**Adoption Rate:** Growth in the number of registered users (both job seekers and employers) over time .**Expansion of the user base** to include a diverse range of industries, job types, and geographical locations .

Efficiency in Matching Candidates: Improved accuracy and relevance of job recommendations based on candidate profiles and preferences .**Reduction in the time taken** for candidates to find suitable job opportunities and for employers to identify qualified candidates.

Satisfaction of Employers and Job Seekers: Positive feedback from employers regarding the quality of candidates sourced through the portal. High satisfaction ratings from job seekers on the user experience, ease of navigation, and usefulness of feature.

Impact on Recruitment Process: Streamlined recruitment process leading to reduced time-to-hire for employers. Increased efficiency in managing job postings, applications, and candidate communications. Cost savings for employers compared to traditional recruitment methods, such as print advertising or recruitment agencies.

Business Impact: Growth in revenue or profitability for the organization operating the job portal. Expansion of partnerships with employers and other stakeholders in the recruitment ecosystem.

Enhancement of the organization's brand and reputation as a reliable source for talent acquisition solutions.

CONCLUSION

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that is implemented. Any specification-untraced errors will be concentrated in the coming versions, which are planned to be developed in near future. The system at present does not take care off the money payment methods, as the consolidated constructs

need SSL standards and are critically to be initiated in the first face, the application of the credit card transactions is applied as a developmental phase in the coming days. The system needs more elaborative technicality for its inception and evolution.

In our project: with this cinema ticketing system; cinema companies can satisfy comfortable facilities to their customers. The relationship between cinema manager, employee, and customer satisfy a good communication to complete ticketing process. With this platform we developed, we are hoping to reduce time wasting, avoid misunderstandings, provide easy data flow, customer pleasure, and less hard work. We believe that we have accomplished our goals and satisfied with the code we developed. We think that not a single project is ever considered as complete forever because our mind is always thinking something new and our necessities also are growing day by day. We always want something more than what we have. Our application also, if you see at the first glance than you find it to be complete but we want to make it still mature and fully automatic. Some of the expansions which we have thought of are:

- We want to improve our home page, as it is the main things which attracts all users.
- Payment facility for bank to user.

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