Synopsis Report

On

A Movie Ticket Booking System Using OOP Design

Submitted by:

Shivam Bajaj	500067611	R164218064
Tanishq Saproo	500069271	R164218080
Ujjwal Verma	500068289	R164218086
Piyush Kumar	500069596	R164218087

Under the Guidance of
Ms.Apurva Gupta
Asst. Professor
Department

Department of Virtualization

School of Computer Science and Engineering

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

School of Computer Science and Engineering

University of Petroleum & Energy Studies, Dehradun

Project Proposal Approval Form (2020-21)

Minor | YES | □

Synopsis Report (2020-21)

Project Title: Movie Ticket Booking System

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1. Abstract:

Movie is considered the world all over by many as an important art form. Movies entertain, educate, enlighten and inspire audiences. The visual elements of cinema need no translation, giving the motion picture a universal power of communication.

Our project is heavily inspired from the case study of major movie ticketing platforms like BookMyShow, TicketNew, MovieTicket, PVRCinemasOnline etc. The focus of our project is on major enhancements on the above case studies and improving their accessibility towards the differently abled, particularly visually impaired people. The areas of enhancement include changing the Graphical User Interface, make them have more contrasting colors which are easily differentiated make navigation through the system easy and an Interactive Voice Response System with Speech Recognition to make the system more interactive and immersive.

2. Introduction:

As the case study of prominent movie ticketing booking systems shows that highest amount of, they receive is on their website rather their mobile or desktop applications, our project also focuses more on web design and accessibility. Web design is about accessibility. Most web designers aim to create products for the largest swath of people within their audience, casting their designs out like gaping nets to yield them the greatest influx of users, and while there's logic to that design principle, it overshadows a somewhat simpler and more inclusive principle:

Design for all people, not most.

Optimize content so that every possible user can enjoy and interact with your website and access the information and data available. Engaging in this practice will help develop a wider market and diversify your customer base. 15% of the world's population has some level of disability. When designing a website, it is important to take all potential visitors into consideration. This includes the visually impaired – those afflicted with color blindness, low vision and even total blindness.

Now, moving on the movie ticket booking system, the main purpose of our system is to provide another way for the customer to buy cinema ticket. It is an automatic system. After inserting the data to database, staff need not todue with the order receive through the system. In fact, there is similar system on the internet, but there is no refund method found in the existing system. This system is basically aimed to provide the customer the complete information of the movie, according to which the customer can book the tickets and the refund facility provides more flexibility to the system. The goals of our system are:

- To provide an anytime, anyplace service for the customer
- To minimize the number of staff at the ticket box
- To promote the film on the internet
- To increase the profit

3. Problem Statement:

- The current system does not have wide market and diversity in customer base.

- More than 15% of the world's population has some level of disability.

- Visually impaired customers are often at a disadvantage and need external help to access services.

- There are also many categories of visually impaired people like color blindness, low vision, partial & total blindness which need to be addressed differently.

- The movie ticket booking system not only automates the process of booking, but also needs to promote trending films on the platform to increase profit.

- The system needs to be robust and highly optimized so that customers can access it anytime, anywhere.

4. Objective:

This app will focus on enhancing the accessibility of major movie ticket booking systems and platforms.

Sub objectives:

- This app will identify trends and promote movies through data analysis

- The visually impaired customer base will benefit from the IVR system in terms of accessibility and ease of use and navigation.

- The app will also cater to the needs of each category of visually impaired customers efficiently.

- The app will be highly optimized and platform independent so that it is robust and readily available to its customers.

5. System Requirements:

Hardware requirements:

One personal computer with:

- Monitor
- Keyboard
- Mouse
- Central Processing Unit
- Minimum 40GB Hard Disk

Software requirements:

- Turbo C++ or any other IDE
- Git
- Adobe XD

6. References:

- https://speckyboy.com/web-accessibility-101/
- https://speckyboy.com/can-the-visually-impaired-access-your-site/
- https://www.academia.edu/25969685/online_movie_ticket_booking_documentation
- https://docs.microsoft.com/en-us/cpp/?view=vs-2019

Synopsis verified by:

(Project Guide)   **(Program Head)**