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COLLEGE OF ENGINEERING AND ARCHITECTURE

COMPUTER ENGINEERING DEPARTMENT



Popcorn Seats

A Web Application

Presented to

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Bacolor, Pampanga

In Partial Fulfillment

of the requirements for the Subject

WEB 224

Web Programming

by

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Introduction

Welcome to Popcorn Seat! your ultimate destination for everything related to movies and films! At Popcorn Seat, you can easily access detailed information about your favorite films, including cast, plot summaries, trailers, and reviews. Our user-friendly platform also allows you to view film or movie details, watch trailers for them and also conveniently purchase tickets for upcoming showings at your preferred theaters. Dive into the world of cinema with Popcorn Seat, where discovering and enjoying movies has never been easier!

Objectives

Our goal is to enhance your movie-going experience by making it easy to find and explore films, while also streamlining the process of purchasing tickets with integrated seat selection and various payment options. Discover new and trending movies through our personalized recommendations and curated lists. Additionally, we support marketing efforts by partnering with film distributors and theaters to promote new releases and special screenings. Popcorn Seat offers convenient features such as showtime reminders and digital ticket storage, ensuring a seamless experience. By gathering user insights, we continuously improve our services to better suit your preferences. Experience the magic of movies like never before with Popcorn Seat!

Functionalities & Features

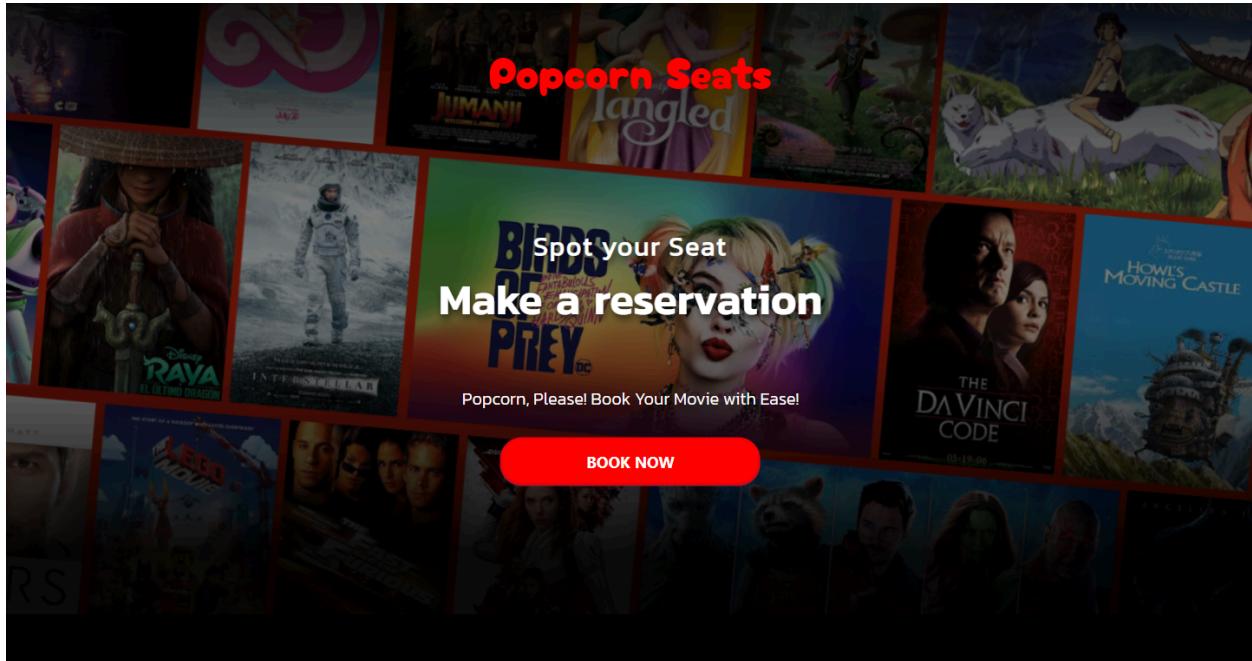
- **Film/Movie Title Search** - By simply typing and entering a keyword that is a part of the film that you are looking for, our system is able to use it to browse through our huge array of films.
- **Detailed Film Description** - After pressing the poster of the film you are interested in, our system is able to get and display all related information to the film such as the year of release, directors, actors, genre(s) and even the film synopsis.
- **Movie Trailer Viewing** - To further give you a better understanding or a feel for the film, the system is able to play the video trailer of the film.
- **Movie Seat Booking** - After confirming your interest in watching the film/movie, you are able to choose a seat and book/reserve it provided that it is still available.

- **Ticket Generation** - After purchasing a seat, the system is able to generate a receipt containing transaction details such as the film title, seat number, transaction time and date.

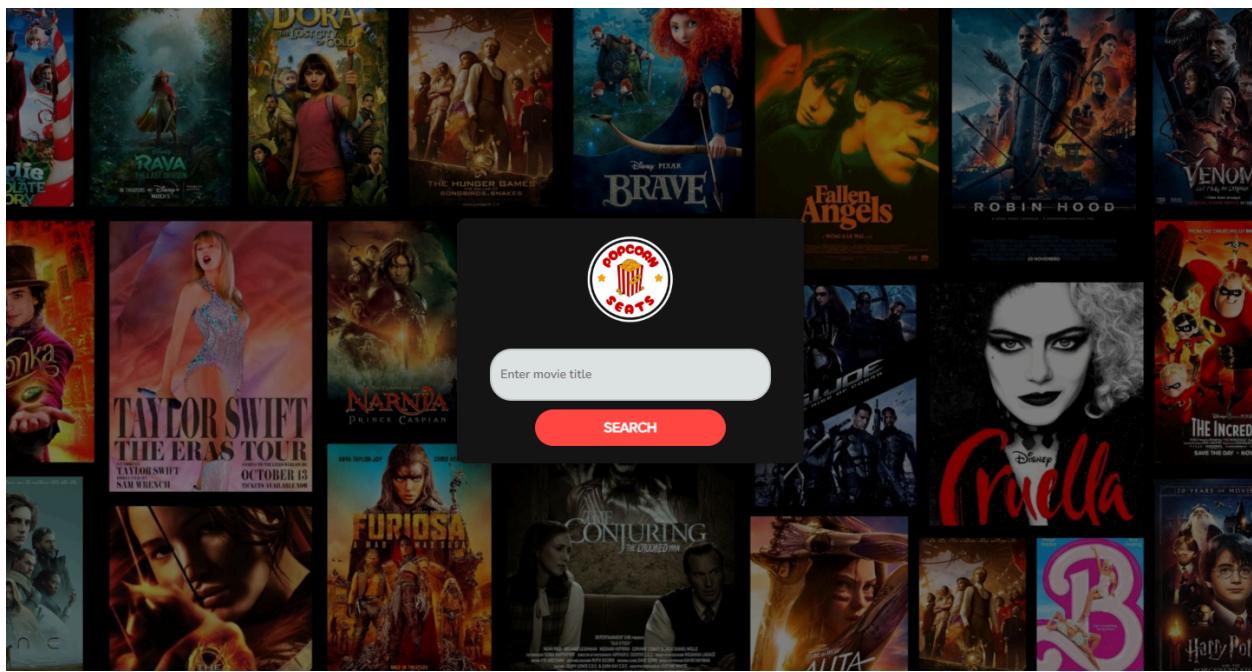
API Integration:

- **TMDB API** - The TMDB (The Movie Database) API was seamlessly integrated into our website to provide an enhanced viewing experience by displaying trailers for films that users have chosen. This API allowed us to access a vast library of high-quality trailers, ensuring that users could easily watch previews of their selected movies. By incorporating the TMDB API, our website offered a dynamic and interactive feature, allowing visitors to make more informed decisions about which films to watch. This integration not only enriched the user experience but also kept our content engaging and up-to-date.
- **OMDB API** - The OMDB (Open Movie Database) API was extensively utilized by our website to enhance user experience by displaying information related to movies and TV shows that the user has chosen. This API provided detailed data, including movie titles, release dates, genres, directors, actors, plot summaries, ratings, and much more. By integrating the OMDB API, our website was able to offer users a comprehensive and engaging way to discover and explore their favorite films and series, ensuring that visitors had access to accurate and up-to-date information with ease.

Home Page

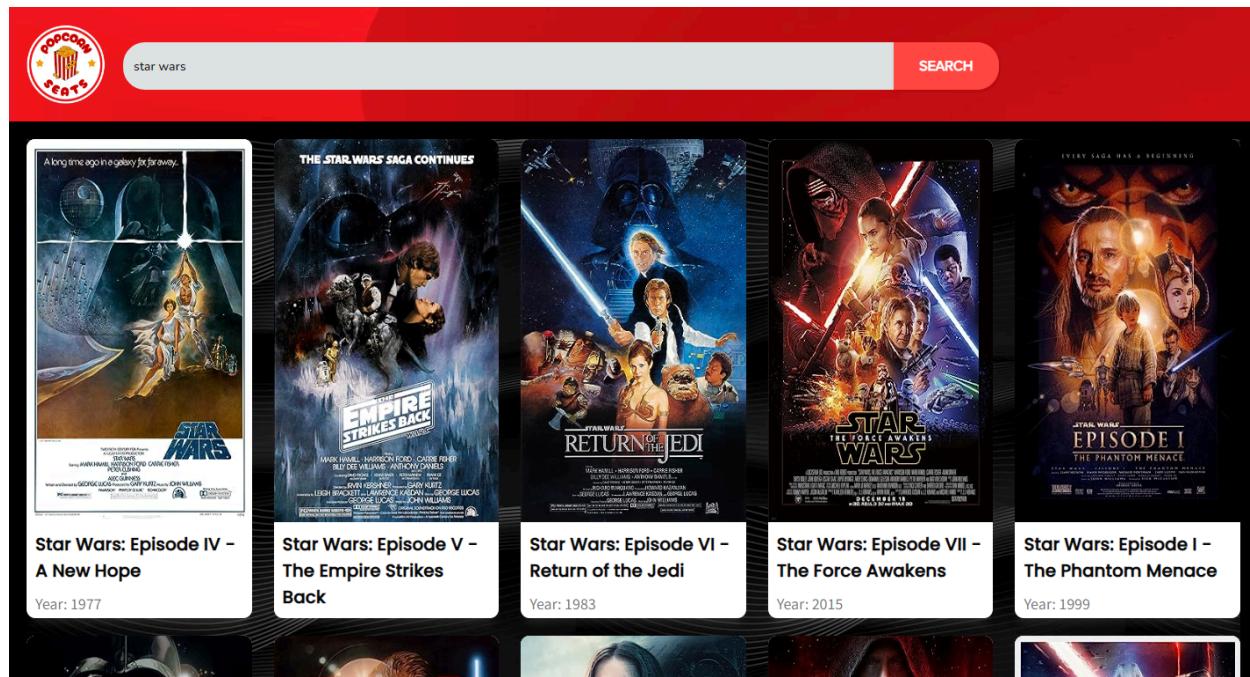


Search Page



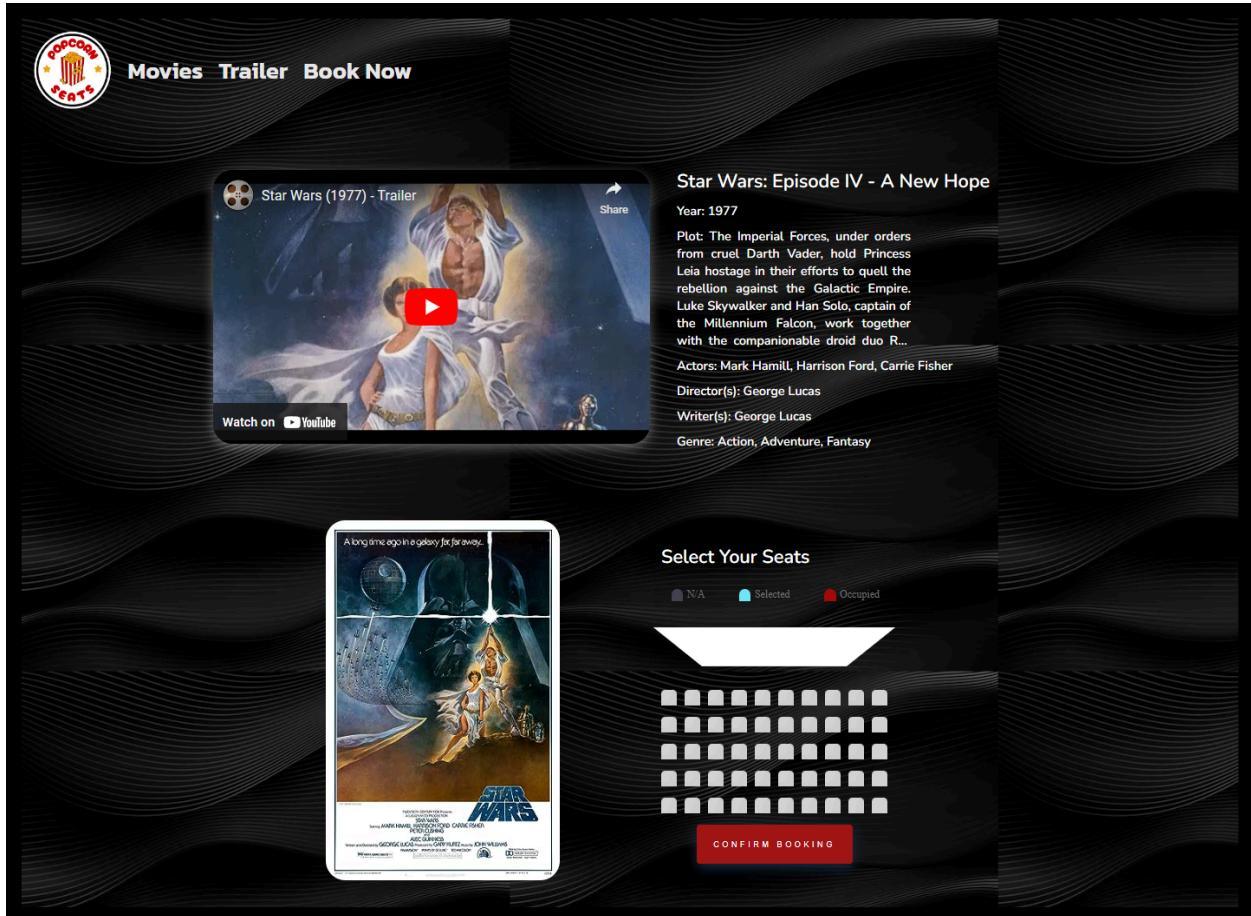
Our search page features a dynamic moving background. In this page, you are able to type and enter the title or a part of the title of a movie or film that you are looking for.

Search Results Page



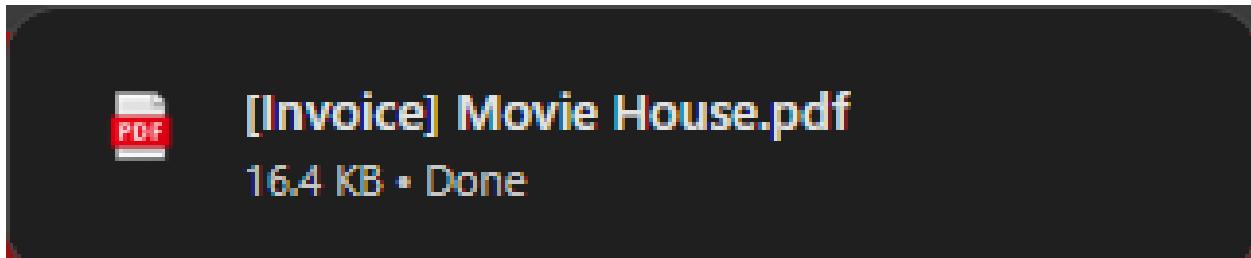
In this page, the search input obtained from the entry field from the home page is taken and then used to search for films with similar titles. You can click on a film poster to view additional information for the film you have chosen. Alternatively, you can also search a different film using the search bar in this page.

Movie Info page



In this page, the information of the selected film such as the title, year of production/release, plot, actor/s, director/s, writer/s, and genre/s are displayed. Additionally, the seating for the film is also displayed here and you are also able to purchase/reserve selected seats.

Sample Invoice Receipt



After selecting a seat and pressing "confirm booking" a Invoice Receipt will be generated.

Popcorn Seats

Transaction ID: 000005
Cinema: 1
Movie: Star Wars: Episode IV - A New Hope
(1977)

Seat:

R2C4

Date: 6/5/2024, 10:26:35 PM

Fee: 200 PHP

Present this invoice to the cashier.



000005-R2C4

The generated Invoice Receipt will contain transaction details such as the transaction ID, movie name, seat name, transaction date and time, ticket price, and barcode that can be used during ticket confirmation.

Updated Movie Info page

After a seat has been reserved/purchased, it will be updated in the database and the seating display will indicate that a seat is now occupied(red color). A seat marked in red will not be available for purchase anymore. You can purchase the seats that are still unoccupied.



Movies Trailer Book Now



Watch on YouTube

Star Wars: Episode IV - A New Hope

Year: 1977

Plot: The Imperial Forces, under orders from cruel Darth Vader, hold Princess Leia hostage in their efforts to quell the rebellion against the Galactic Empire. Luke Skywalker and Han Solo, captain of the Millennium Falcon, work together with the companionable droid duo R...

Actors: Mark Hamill, Harrison Ford, Carrie Fisher

Director(s): George Lucas

Writer(s): George Lucas

Genre: Action, Adventure, Fantasy



Select Your Seats

NA Selected Occupied



CONFIRM BOOKING

Web Application Structure

