

Report

I created a movie website named IMovie that contains a page for a film, a page for an actress and a page for a director.

I will describe what I did including the main components and features approaches and challenges that I met and solutions in each page code below:

What I Did & Approaches

For the **film page**, I followed the usual HTML structure and utilized external CSS and JavaScript files from Bootstrap 5 to style and function the website for responsive design on all pages. I set the movie web page title to "IMovie".

Firstly in the header section, I created a fixed-top navigation bar using Bootstrap classes. The navigation bar contains links to various sections of the website, including "Login," "History," and "Recommendation. On large screens (xl), the navigation bar is expanded with the navbar-expand-lg class.

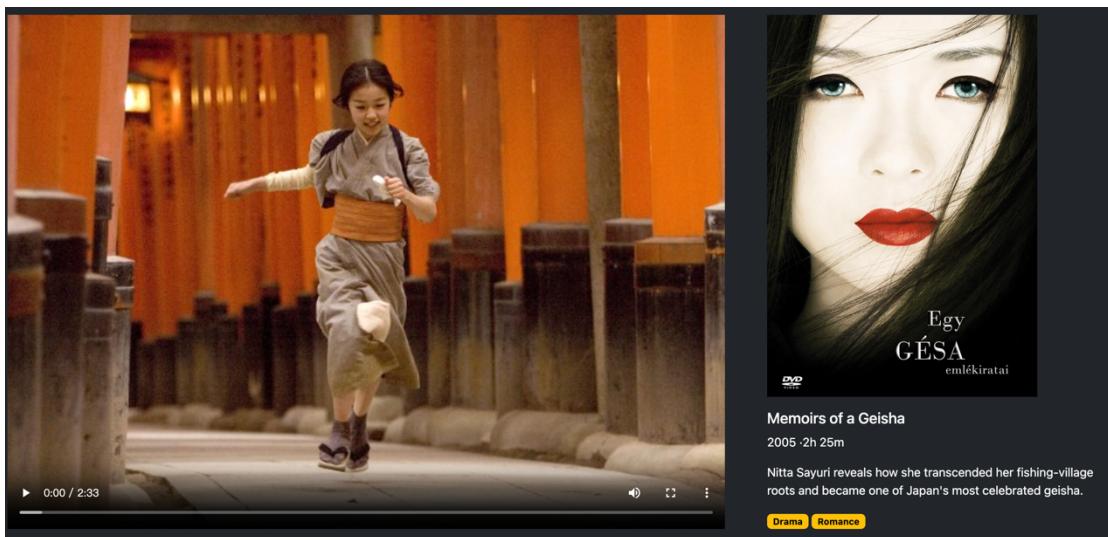
On smaller screens, a responsive navigation toggle (hamburger menu) is implemented using the navbar-toggler class and the data-bs-toggle attribute.

Furthermore, for accessibility and user experience, I also use link to make a arrow below the navbar to go back the home page or go to director /actress page.

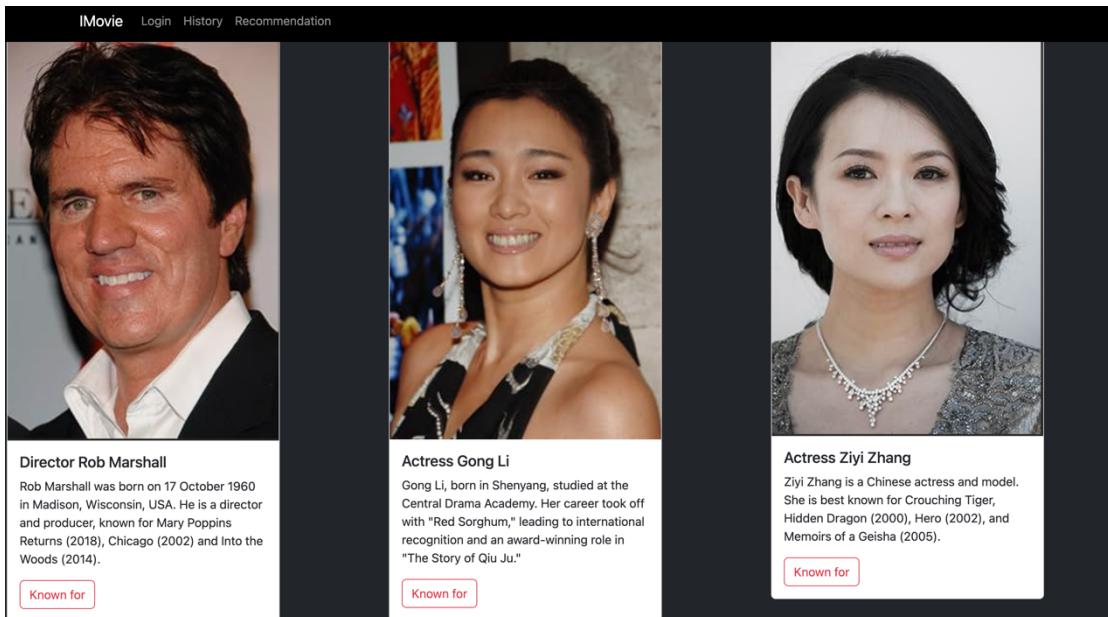


IMovie Login History Recommendation

Secondly, in the main content section, I used a container and a row with two columns. The left column contains a video player embedded with a video source and poster image. The right column displays information about the movie, "Memoirs of a Geisha," including its release year, duration, and a brief description. It also lists genres with badges. On large screens (xl), the main content area occupies 8 out of 12 columns in the grid, taking up most of the width. On smaller screens, the main content area utilizes 4 out of 12 columns in the grid, occupying a portion of the width.



Lastly, I used cards to make movie cards with information about directors and actresses. Each card includes an image, name, and a brief description. At the bottom of each card, I used the button “Known for” to link the director page and actress page. (Gong Li). Furthermore, Card elements use 3 out of 12 columns in the grid on large screens, allowing multiple cards to be displayed in the same row. On smaller screens, cards use 2 out of 12 columns in the grid.

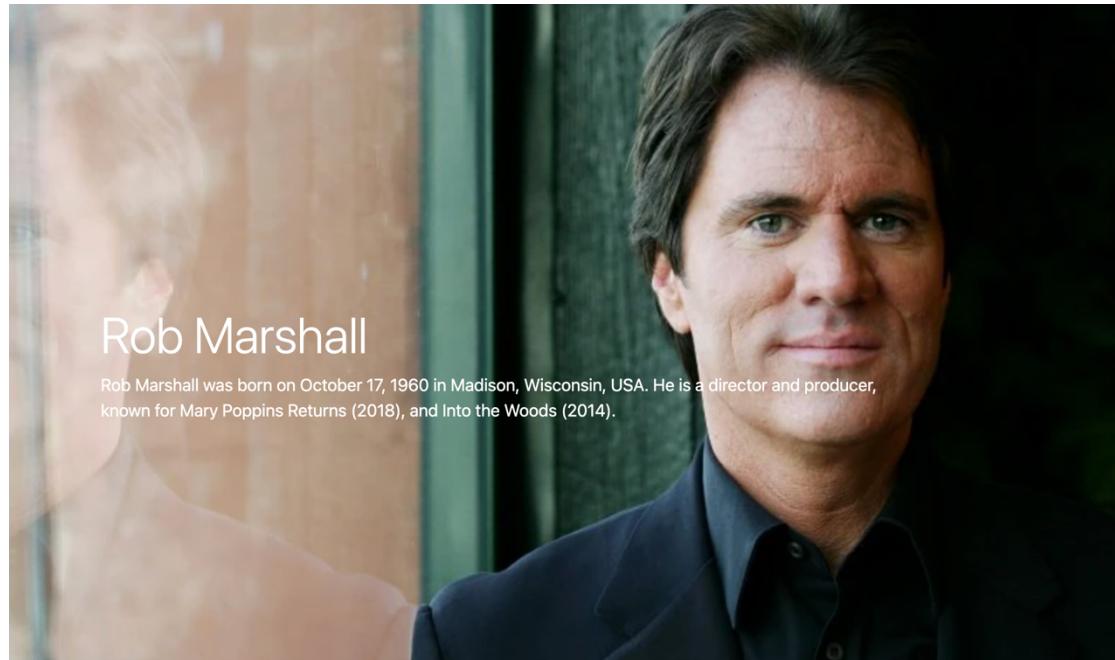


In conclusion, I utilized Bootstrap's grid system and classes to achieve responsive design, adapting to various device screen sizes to ensure the website present content in an appropriate way across different devices. And on director page and actress page, I used the same bootstrap design.

In the Director Rob Marshall page, I used a fixed-top navigation bar for easy navigation which incorporates Bootstrap for responsive design.

IMovie Login History Recommendation

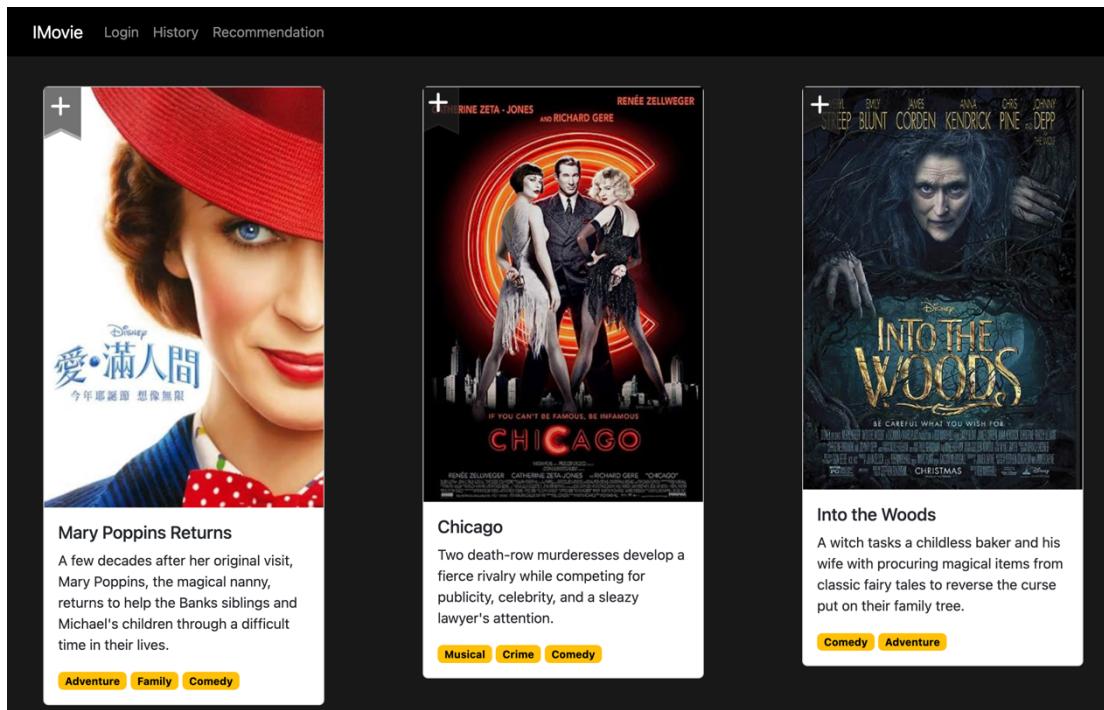
The director's information, including a background image, name, and career summary, is presented on a visually appealing card.



Rob Marshall

Rob Marshall was born on October 17, 1960 in Madison, Wisconsin, USA. He is a director and producer, known for Mary Poppins Returns (2018), and Into the Woods (2014).

Below the card, there is a list of movies Rob Marshall is known for, each enclosed in a separate card that contains the movie poster, title, description, and genre tags.



The Gong Li page follows the same structure as the Rob Marshall page, featuring a fixed-top navigation bar and Bootstrap elements for responsiveness. The actress's information is displayed on a visually engaging card with a background image, name, and career overview. Below the card, there is a list of movies Gong Li is known for, each presented in its card format. Similar to the director's page, each movie card includes a poster, title, description, and genre tags.

Challenges

Challenge 1: Bootstrap utilization

For creating a purpose-built desktop version and a separate mobile version of the website, I found that it was quite hard to make the content present a reasonable layout when I changed different sizes of the website. So, to overcome the problem, I learned Bootstrap's documentation and examples to do responsive navigation bars, card layouts, and image scaling for different screen sizes.

Challenge 2: Data Presentation

It is hard for me to think about how to present information about each artist in an organized and visually appealing way and decide on the layout and the components of each page.

I utilized a card-based layout to make the content presentation structured and have a clear visual separation.

In conclusion, the development of the IMovie website involved the creation of two specific pages featuring details. To overcome challenges related to Bootstrap utilization and data presentation, I successfully built this little movie website.