

IMDb Movie Information Web Development

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Render: <https://kehong52214052-assignment.onrender.com>

Introduction

The purpose of this report is to outline the design and development process of a web application that displays IMDb movie ratings, movie information and director information. The application consists of a list of movies and a list of director information categorised by movie information.

Design

The design of the application focuses on the relationship between the two files, navigated by hyperlinks.

Film information table

The film information table shows detailed information about the film. The table lists the name of the film, year of release, director information, IMDb rating, and box office and rating information. In Directors, there is another hyperlink that returns a detailed list of directors.

Directors list

The Directors list shows details of directors. This table lists the name of the director, how many IMDb ratings the director has participated in, the director's box office totals and highest score.

Development

The web application was developed using the Flask web development framework with a front-end design using HTML and CSS. The data for the web application was taken from a CSV file containing IMDb scores for a total of 5000 movies and was processed in Python to create the data structure.

Render deployment

The application was deployed using Render. The deployment process involved creating a new Render service and linking it to a repository on a github account.

Summary

Overall, this IMDb listing was designed and developed to provide easy access to 5000 movies, and director data. flask, HTML and CSS created a beautiful page. github enabled the whole application to be updated in real time.