Movie Recommendation Application

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The purpose of the model is to recommend similar movies based on the content. This model applies the text transformation and modeling techniques to create a movie recommender system and then deploy the entire system using a web application.

The data was obtained from the kaggle website - https://www.kaggle.com/datasets/rounakbanik/the-movies-dataset . The dataset has details for 45,000 movies, that includes cast, crew, plot keywords, budget, revenue, posters, release dates, languages, production companies, countries, vote counts and vote averages.
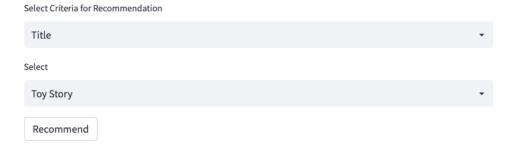
The data was cleaned and preprocessed. I used Tfidf Vectorizer to transform text to feature vectors. Cosine similarity matrix was created using these vectors to measure similarity between the vectors. This matrix was used to recommend movies based on their title.

This is an example of the movie recommendations for a particular title in the model:

```
recommendation_title("Toy Story")
```
```
['Toy Story 2', 'Toy Story 3', "A Bug's Life", 'Cars', 'Cars 2']
```

This is an example of the movie recommendations for a particular title in the app:

Movies Recommendation System

Select Criteria for Recommendation

Title ▾

Select

Toy Story ▾

Recommend

Top Five Recommended Movies:

Toy Story 2

Toy Story 3

A Bug's Life

Cars

Cars 2

Moving forward, I will design the app to provide movie recommendations for title, genre and director.