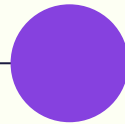


I Found Movie

Team Double X
Xufeng Liu Yixu Zhou





Team Introduction

Xufeng Liu - Front-end programmer

Yixu Zhou - Back-end programmer



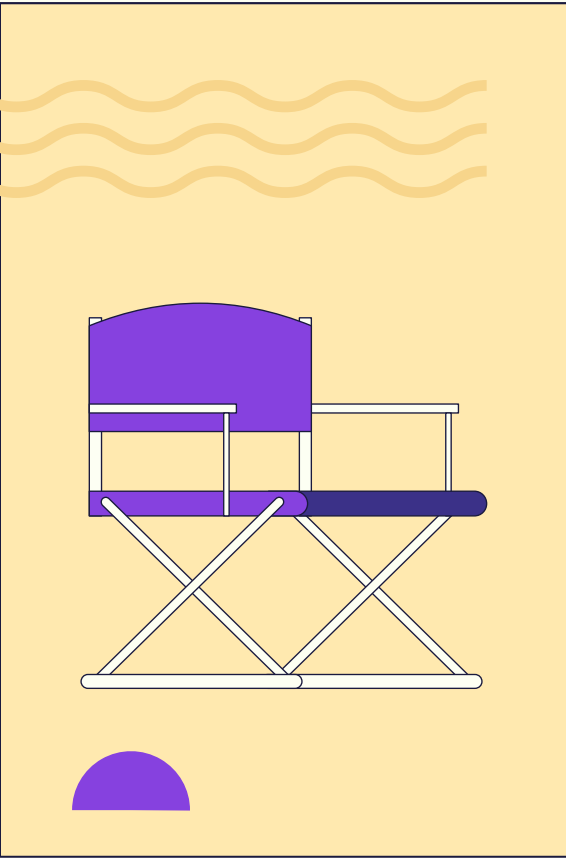


Introduction

We are both movie lovers, so for the capstone we wanted to focus on some of the issues about movie.

We are concerned that many people can not make a good choice when they want to watch a movie, so they may waste time or even lose interest. So we want to improve that as much as possible.

IFoundMovie is a movie recommendation website created by us. It aims to recommend movies to users that they might like.



Project Commercial





Business need / Opportunity

Nowadays, there are so many websites can play the movies for users such as Netflix and Youtube. Sometimes, some movies will only be available exclusively on some platforms.

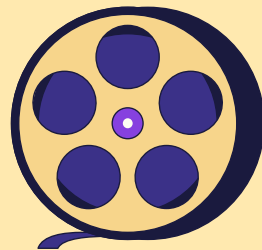
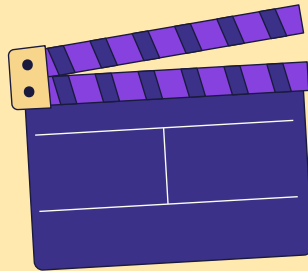
Our website aims to give recommended movies on all of the platforms. And our North Star customer is who don't have much time to watch movie but still love to watch. What's more, our website can save money for our customers, we can purchase the movie our users want to watch, so our users don't need to subscribe all of the movie platforms.





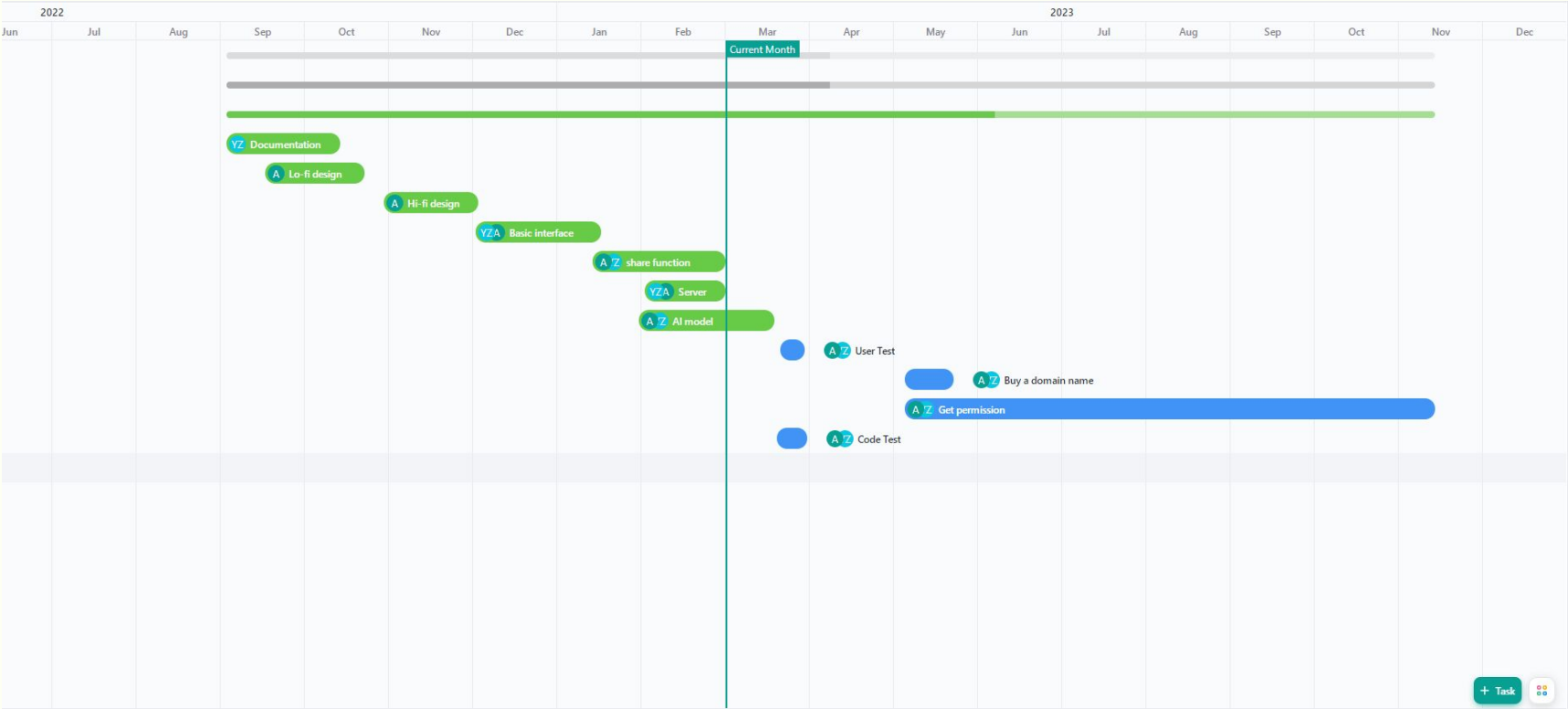
01 Design Progress

How we implement the
project?





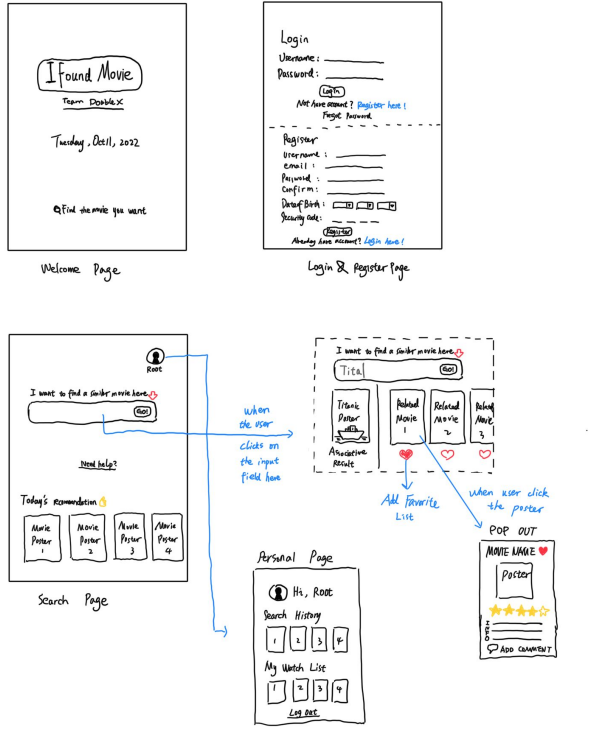
Road Map



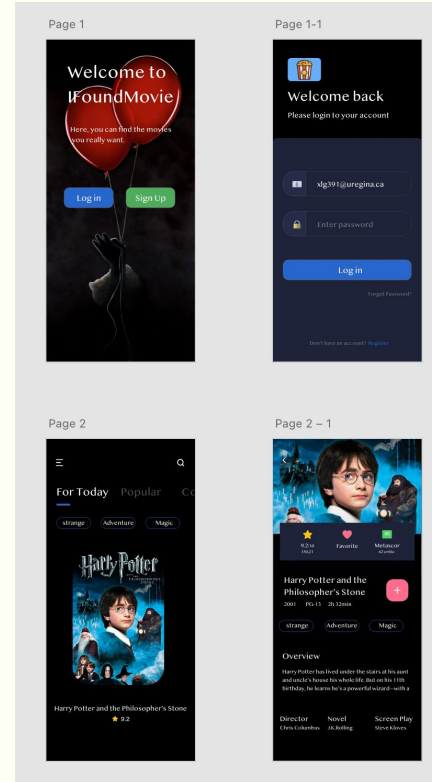
System Design 01



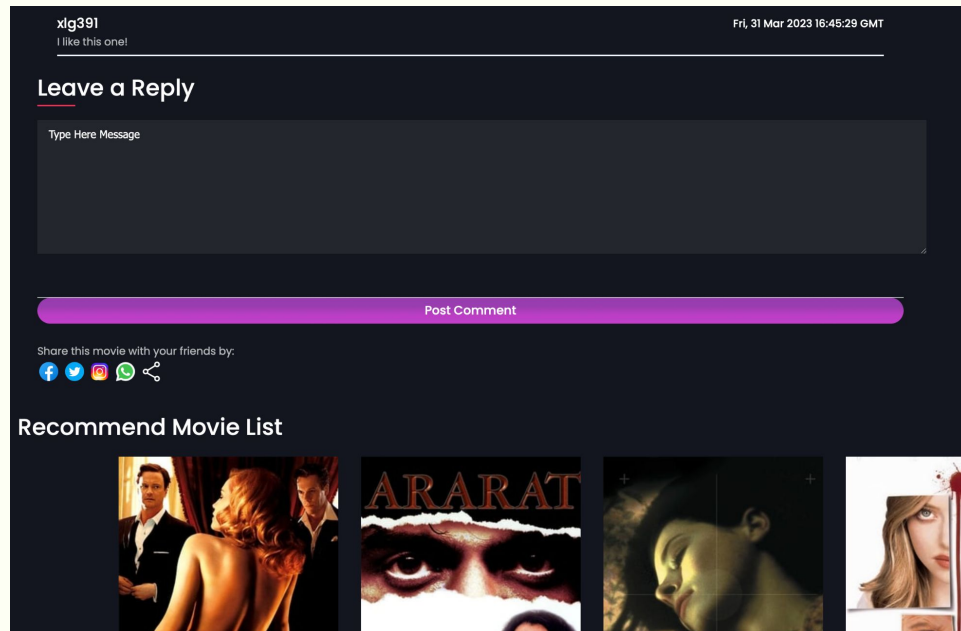
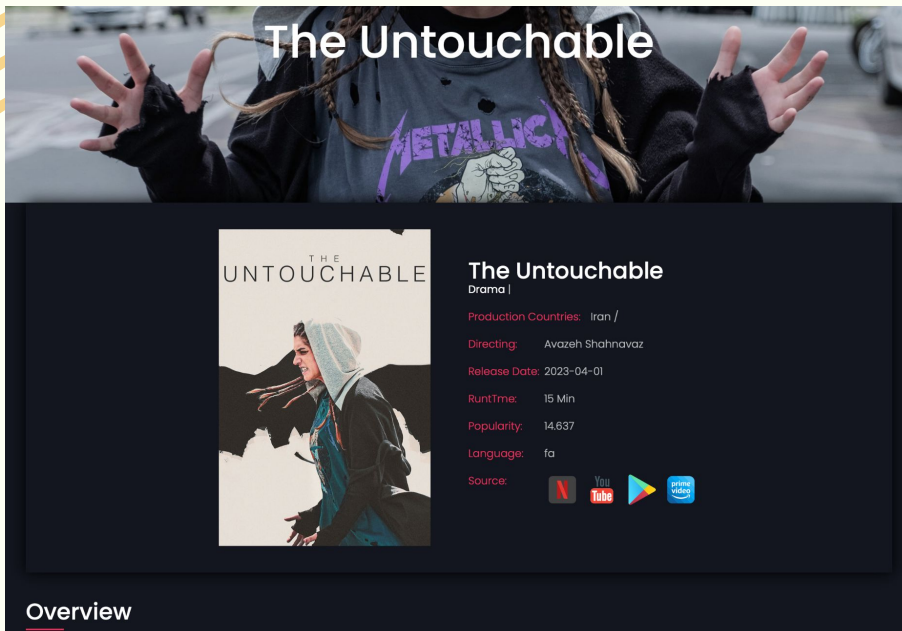
Low-fi Design



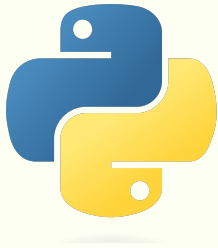
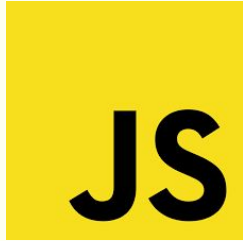
Hi-fi Design



System Design 02



Language Used

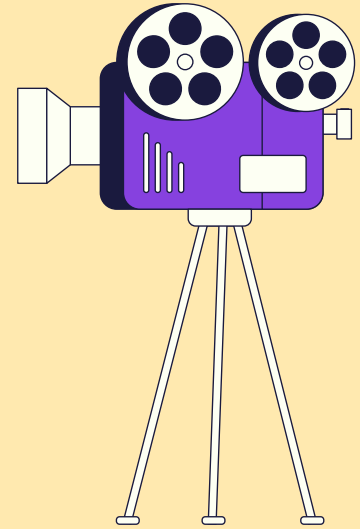
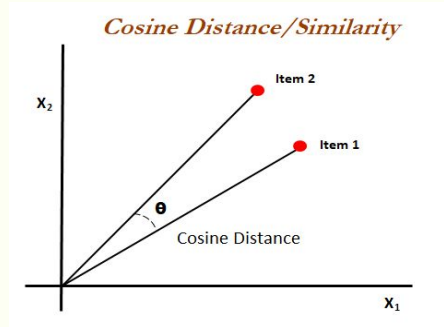


AI Algorithm

What is it?

Cosine similarity algorithm

It measures the similarity between two vectors of an inner product space. It is measured by the cosine of the angle between two vectors and determines whether two vectors are pointing in roughly the same direction.



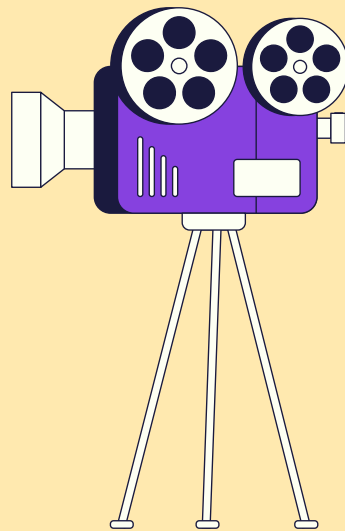
AI Algorithm

How we implement it?

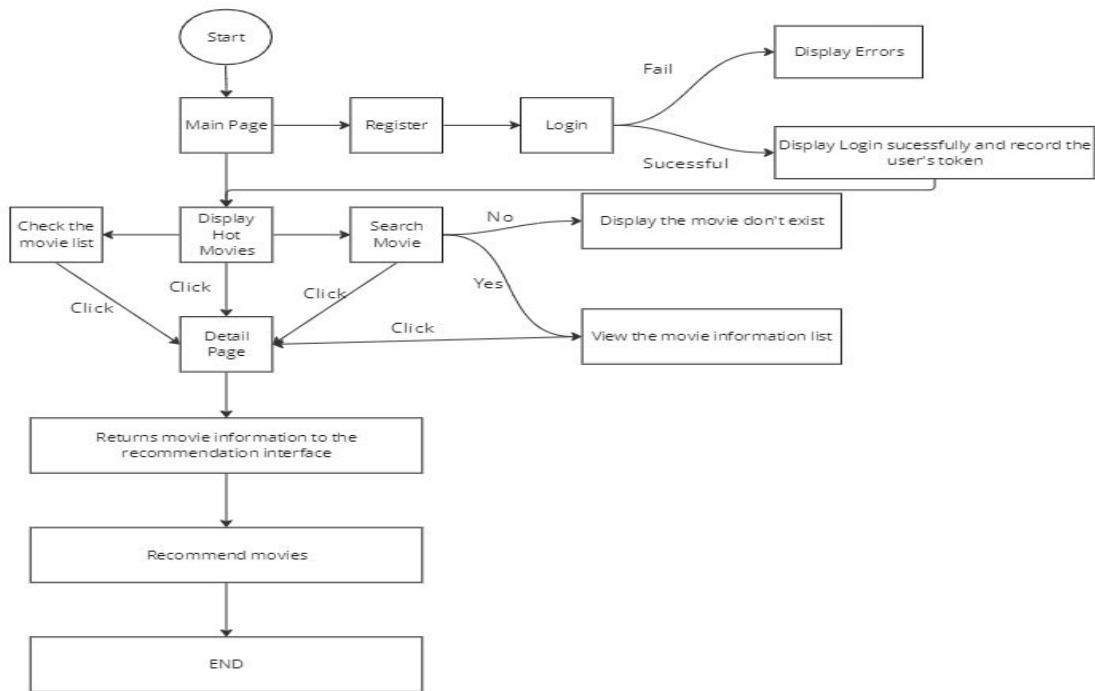
We will use director name, count of mouse clicks, type of the movie to compute the similarity and return the movie of the three of the most similar director.

Why we choose it?

1. Easy to understand and apply
2. It is not affected by the length of the text
3. It has a good effect on text similarity calculation

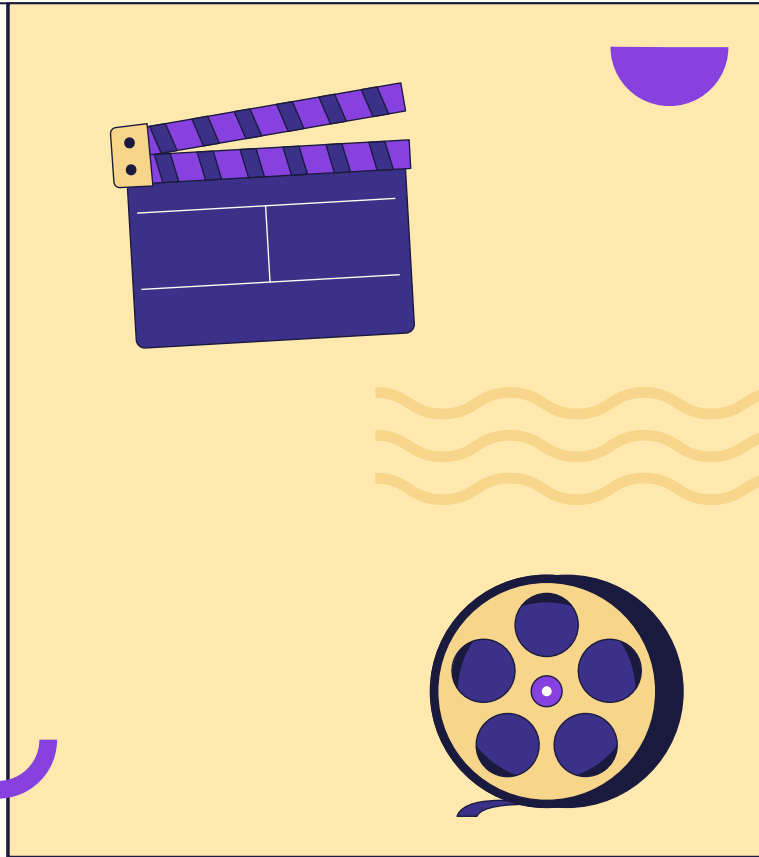


Structural Diagram

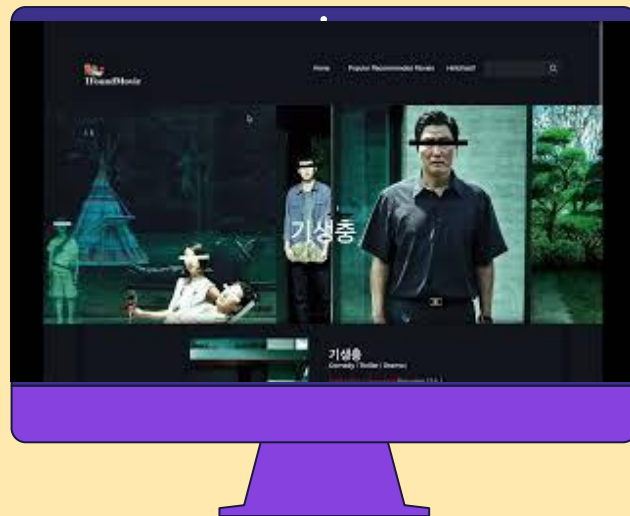




02 Demo Future work



System demo



Future Improvement



1. We will use more data sets to train our system and make it become a neural network.
2. We just have a random URL now, we will buy a domain name.
3. Get the permission of Youtube and so on.



Acknowledgement



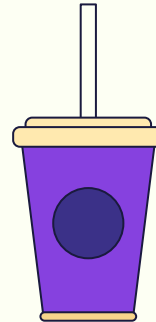
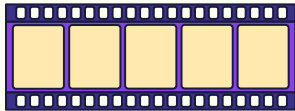
Dr. Timothy Maciag Capstone
Instructor

Dr. Karim Naqvi
Capstone Mentor

Reference

<https://github.com/kishan0725/AJAX-Movie-Recommendation-System-with-Sentiment-Analysis>

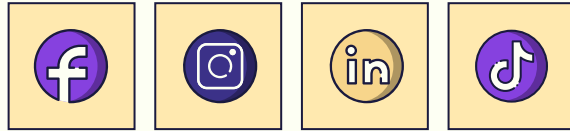
<https://www.sciencedirect.com/topics/computer-science/cosine-similarity>





Thanks!

Do you have any questions?



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