

SE/ComS 319 Construction to User Interfaces

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Midterm Project Proposal

Catalog of Movies

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Table of Contents

Introduction.	1
Purpose of the proposal.	2
Goals and Objectives	2
Project.	2
Resources.	2
Future Work.	2
Final Comments.	2

Introduction

Yunjie Li

My name is Yunjie Li, a senior student currently studying computer science at Iowa State University. Although I don't have a confirmed position, internship, or co-op experience yet, I am passionate about software development and hope to make something of myself in this field.

On the technical side, I have some experience with Java, Python, JavaScript, C, and C++. I enjoy practicing and deepening my skills through projects.



Michael Keo

My name is Michael Keo and I'm currently a senior in computer science at Iowa State University. I have some experience working in front-end development through my current internship at State Farm and have done independent studying on the side. I've created a personal portfolio webpage prior to taking this course that has helped me understand how the front-end comes together.

As a huge fan of watching movies, I've always struggled with finding new movies to watch and so a catalog, where users are able to easily find new movies has always been on my mind. Although this idea isn't new with more established websites like Rotten Tomatoes and IMDB conquering this field, this sort of webpage is something that I've always thought of creating.



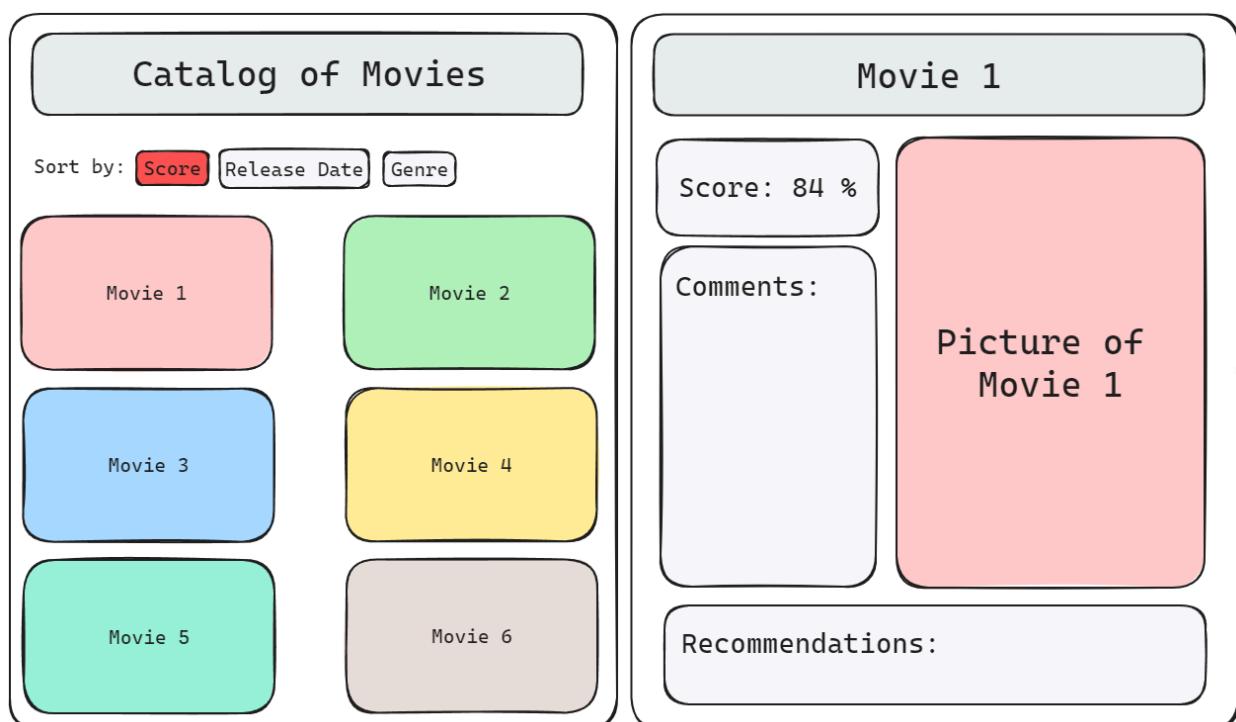
Purpose of the proposal

The purpose of this proposal is to help define the project that we'll be creating for the midterm. Our project will be a catalog of movies where users are able to search through a list of movies, rate them, and add comments regarding the movies. This project solves the problem of the struggle of finding a movie that you'd like to watch. With this catalog, users will be able to discover new movies as well as recommend them or not to other users.

Goals and Objectives

Our goals include creating an interactive, user-friendly website that allows users to easily browse and find information about movies. Some goals included with this project will be an accurate rating system based upon feedback from users, comments that other users will be able to view, and recommendations.

Our objectives include creating a basic html page with a catalog of movies, creating a rating system, allowing users to comment, and creating a feature that allows users to recommend movies.



Project

Our project will be a simple website, where users are able to easily browse through movies and interact with them, providing feedback for others. Movies will be able to be sorted by genre, ratings, and release date. Upon selecting a movie, the user will be taken to a page specifically for the movie, where they'll be able to rate it, leave comments, and leave recommendations for others.

Above is a mockup of what our site will look like. On the left we see the home page of our site. Movies will be shown as well as a way to sort them. Upon clicking on a movie, you are then taken to the page on the right, where the score, comments and recommendations of the movie are shown. The user will be able to contribute to the movie's information at this point.

Resources

In order to complete this project, we will be dedicating certain times of the week to working together and progressing through our objectives. We can order ourselves by each choosing a webpage to work on and collaborating to make sure the styling of the pages match. We will be using discord to communicate and github to collaborate our code. We will be using the languages of HTML, CSS, and javascript.

Future Work

This project can include many more features for users to interact with the movies and other users. As shown through more established sites such as Rotten Tomatoes and IMDB, the scale of this catalog of movies could be huge and can easily incorporate features such as showing cast members, episodes, seasons, related movies, and overall much more movie information.

Final Comments

Thank you for taking the time to read the proposal of our project. We hope you enjoyed our work and feel free to contact us at: mkeo@iastate.edu and yili@iastate.edu to answer any further questions.

We hope to learn lots about the formal development of a webpage using HTML, CSS, and javascript. With the success of this project in the future, we hope that our webpage will be user-friendly and easy to access for all users.