

CineScope - Media Information Database

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**Software Engineering
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University
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Agenda

- Introduction
- Problem Definition
- Design Requirements
- Solutions
- Project Management
- Demonstration
- Conclusion and Future Work

Introduction

- **Background:** The entertainment industry is expanding with a demand for interactive platforms providing comprehensive information on movies, TV shows, and actors.
- **Rationale:** Users seek seamless ways to explore, review, and rate media while supporting indie filmmakers.



Problem Definition

- Existing platforms like IMDb lack significant support for indie filmmakers.
- Independent platform for the indie filmmakers and local communities.



Evidence



Jen Ainsley · [Follow](#)

Art Director in Film/TV · 1y



I HATE the new layout. I find it very difficult to find anything. It makes me want to get off after about 3 seconds. Gives me a headache. I tried to give it a while so incoukd afapt but i just long for the old site back or is it time for someone else to make a database now?

The single most used feature IMDB had that I used is the list of productions of people. I want to quickly see all the movies an actor has done or all the writing credits a writes has etc.

That is now gone!! You can only see 4 randomly selected credits and there's no obious way to find the full list. If they had a hamburger menu or something that would expand the credits to full that would not be so bad although of course I prefer the full list right away as before.



Jerry Mc Kenna · [Follow](#)

The first movie I saw in a theater was Forbidden Planet · 3y



I preferred the earlier layout. The site was a originally a movie database, and if you like old movies, it probably is the best one I've seen at least in terms of information available. I wish it allowed more customized searches.

The current layout is confusing. They make it very easy to watch trailers for stuff I have no interest in. They seem to want to make a previously easy to navigate site, difficult.

1K views · View 11 upvotes · Answer requested by Tommy Broadbent



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Design Requirements

- Goals

- Develop a user-friendly media information database.

- Provide real-time updates using APIs.

- Support indie filmmakers.

- Use MVC architecture

- Constraints

- Limited event/contributors from local communities.

- Lack of experience in full-stack development.

- Time Constraint.

Solutions

- **Solution I: Basic MVC Structure**

- 1. **Application Design and Implementation:**

- **Design:**

- Simple Model-View-Controller (MVC) structure.
- Features: Users can browse and rate movies/TV shows.
- Interface: Minimalistic, focused on basic usability.

- **Implementation:**

- Database stores basic movie information and ratings.
- APIs integrated for real-time updates from external sources (e.g., TMDb).
- Frontend: Basic HTML, CSS, and JavaScript.

Solutions

- **Solution 1: Basic MVC Structure**

- 2. Analysis of the Solution:

- **Advantages:**
 - Quick to develop.
 - Low cost due to limited features.
 - Reliable for basic functionality.
- **Disadvantages:**
 - No indie filmmaker support.
 - Minimal interactivity; lacks features like reviews or favorites.
 - Too similar to existing platforms like IMDb.

Solutions

- **Solution 2: Enhanced Platform**

- 1. Application Design and Implementation:**

- **Design:**

- Improved MVC structure.
 - Features: Support for indie filmmakers, user interactivity (profile creation, reviews, ratings).
 - Interface: Intuitive and visually engaging, designed for seamless navigation.

- **Implementation:**

- Database expanded to include indie filmmaker content and user profiles.
 - APIs integrated for both mainstream and indie content updates.
 - Frontend: Enhanced with jQuery for dynamic interactions.
 - Backend: Includes security measures for user data protection (e.g., hashed passwords).

Solutions

- Solution 2: Enhanced Platform

- 2. Analysis of the Solution:

- **Advantages:**

- Attracts a wider audience by supporting indie content.
 - Better user engagement with interactive features.
 - Differentiates CineScope from larger platforms.

- **Disadvantages:**

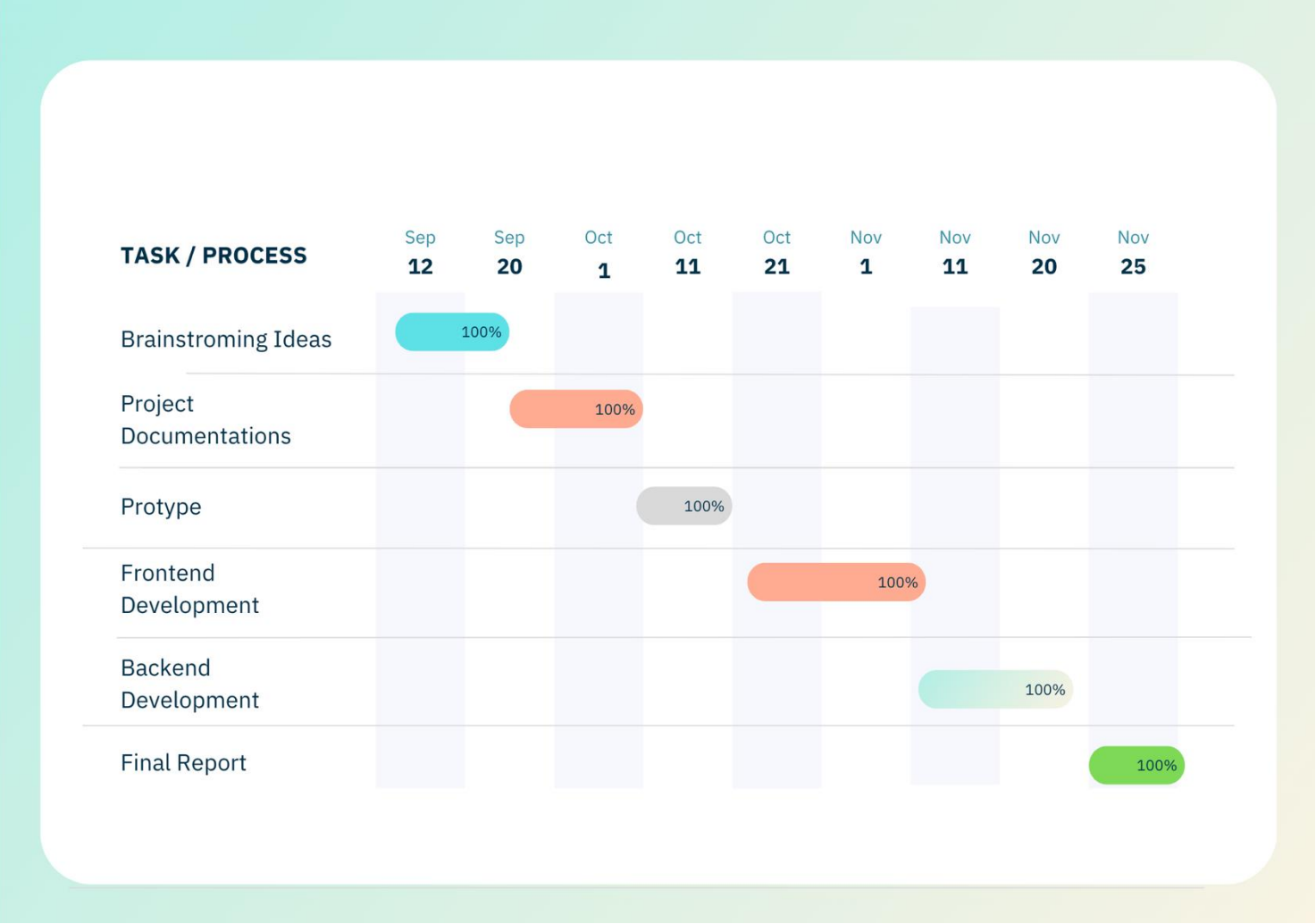
- Higher development cost and time.
 - Increased complexity in managing data privacy and user interactions.

Solutions

Solution 2 is better

- **Supports Indie Filmmakers:** Allows independent creators to upload and promote their content, making CineScope unique.
- **Enhanced User Interactivity:** Offers features like profile creation, reviews, and tracking ratings, improving user engagement.
- **Differentiation:** Stands out from competitors like IMDb by catering to both mainstream and indie audiences.
- **Community Building:** Encourages user participation and fosters a loyal audience through interactive features.

Project Management



Project Demonstration



Conclusion

Conclusion

- CineScope has established itself as a dynamic platform that seamlessly integrates movie discovery with content creation. By providing personalized experiences for users and empowering creators with tools to showcase their work, the platform bridges the gap between mainstream and independent entertainment. Its responsive design, robust backend, and real-time updates ensure a user-friendly and engaging experience.
- The successful implementation of features like trending movie carousels, local shows, creator dashboards, and review systems highlights the platform's adaptability and relevance in the competitive entertainment space. CineScope not only meets the immediate needs of its diverse audience but also lays the groundwork for continuous growth and improvement.

Future Work

- Add and Delete Movies/Shows
- Like and Dislike on Reviews
- Follow Movie or Genre Functionality
- Advanced Sorting and Filtering
- Favorites and Watchlist
- Event Calendar Integration
- Monetization Options