Lab 1

CIS 344

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Mini World: Streaming Service for Independent Films

Purpose:
 The system is designed to store and manage independent films and provide users with access to stream content through subscriptions. It also supports filmmakers by hosting their content and tracking film performance.

System Design Requirements

I gathered system requirements by analyzing existing streaming platforms and researching how independent film platforms operate. For example, I reviewed how users register, subscribe, browse films, and stream content on platforms like Netflix, Hulu, Disney+, and Crunchyroll. I also examined how filmmakers upload and manage their films. As part of this research, I referred to an article from *WIRED* that details how Netflix collects and uses extensive user data—including viewing history, email addresses, payment information, and interaction details—to personalize recommendations and improve the user experience, which informed my understanding of the data elements needed for the system's design.

Here are the entities I wanna mainly track for my project:

- User
- Film
- Filmmaker
- Subscription
- Payment
- Category
- ViewingHistory

Reference source:

https://www.wired.com/story/netflix-data-tracking-privacy/