

# SW Engineering CSC648/848

## Ensignt

### Milestone 1

(9/27/23)

– **App Name:** **ensight.space** (derived from entertainment (en) + insight (sight))

– **Section 01, Team 02**

- Pragati Makani: Team Leader
- Sarah Abusaif: Front-end Lead
- Alexander Del Rio: Back-end Lead
- Mohammad Dahbour: Scrum Master/Backend
- Christian Montalvo: GitHub Master/Frontend

– **History Revisions**

Revision Id	Revision Date	Milestone
Version 0.1	9/27/23	1

## **1. Executive Summary:**

Ensign is an innovative film logging and review application that aims to revolutionize the way users engage with movies. In a world saturated with film content, Ensign offers a unique platform that not only allows users to log the films they watch but also provides an avenue for in-depth film reviews, personalized film lists, and engaging social interactions.

### **Motivation and Importance:**

Film consumption is a universal hobby, and there's a need for a comprehensive platform that helps individuals organize their film-watching experiences, share insights, and discover new cinematic gems.

### **What Ensign Offers:**

- **Film Logging:** Users can easily log the films they watch, capturing details such as title, date watched, and personal ratings.
- **Film Reviews:** Users can write and publish reviews of films, sharing their thoughts, opinions, and analysis.
- **Film Lists:** Users can create and share lists of films, such as "Top 10 Films of the Year" or "Favorite Horror Movies." Expanding user-generated lists with more options for categorization, filtering, and ranking would enable users to curate and discover film lists more effectively.
- **Film Ratings:** Users can rate films on a scale of 1 to 5 stars, allowing others to quickly see their overall opinion.
- **Social Interaction:** The platform encourages social interaction among users. You can follow others, like and comment on reviews, and engage in discussions.

- **Film Discovery:** Personalized recommendations, user-curated lists, and expert reviews aid in discovering new films.
- **Film Diary:** Users can maintain a film diary, recording the films they watch on specific dates.
- **Statistics and Insights:** Gain insights into film-watching habits with detailed statistics and summaries.
- **User-Generated Challenges:** Engage users with film-watching challenges and lists to set goals and explore new content.
- **Film Industry Directory:** Create a directory of film professionals, including directors, actors, writers, and crew members, along with their portfolios and contact information.

**Uniqueness:**

Ensign stands out with its intuitive design, extensive social features, and a focus on community-driven film discovery.

**About the Team:**

Ensign is developed by a dedicated team of five students from CSC 648 Fall 2023 Team 02, with a strong passion for movies and technology.

## 2. Personas and User Stories:

### Persona: Casual Viewer

- Behavior: Watches movies occasionally for entertainment.
- User Story (Logging Films): As a Casual Viewer, I want to easily log movies I watch, including their titles and the date I watched them, so I can keep a record of my film-watching history.
- User Story (Friend Activity): As a Casual Viewer, I want to see what my friends are watching and which movies they've recently logged, so I can discover new films based on their recommendations.

### Persona: Film Enthusiast

- Behavior: Watches a variety of films, writes detailed reviews.
- User Story (Writing Reviews): As a Film Enthusiast, I want to write detailed film reviews, including text and ratings, and publish them for other users to read, so I can share my insights and opinions about movies.

### Persona: List Curator

- Behavior: Enjoys creating and sharing film lists.
- User Story (Creating Lists): As a List Curator, I want to easily create lists of films based on genres, themes, or any custom criteria, so I can curate and share collections of movies with the community.

### Persona: Socializer

- Behavior: Engages actively in social interactions on the platform.
- User Story (Following Users): As a Socializer, I want to follow other users on the platform, so I can stay updated with their film activity and discover movies they recommend.
- User Story (Interacting with Reviews): As a Socializer, I want to like and comment on film reviews written by other users, fostering engaging discussions and interactions within the community.

### Persona: Statistics Seeker

- Behavior: Analyzes viewing habits and seeks insights.
- User Story (Viewing Insights): As a Statistics Seeker, I want to access detailed statistics about my film-watching habits, including viewing frequency, favorite genres, and yearly summaries, to gain insights into my movie preferences.

### 3. Data Definitions:

Name	Definition	Usage
User	Represents individuals who register and use the application	Users can log in, rate films, write reviews, create and share film lists, and engage in social interactions.
Review	Represents a user's written critique and analysis of a movie.	Reviews are created by users to share their thoughts on movies they've watched.
Comment	Represents a user's comment with date, time and the content of the comment.	Comments are assigned by users to express their opinion on someone's post.
Movie	Represents a film title with associated details, such as title, release date, and genre.	Movies are logged by users when they watch films and are used in reviews, lists, and ratings.
Statistics	Represents aggregated data about a user's viewing habits.	Statistics Seekers can view and analyze their film-watching patterns.

## **4. Initial List of Functional Requirements:**

### **Requirement 1: User Registration and Authentication**

- Description: Users can register and log in securely with either "Sign in with Google" or "Sign in with Email" functionality.
- Priority: High
- User Story: 1, 2

### **Requirement 2: Film Logging**

- Description: Users can log films, including title, date, and rating.
- Priority: High
- User Story: 1

### **Requirement 3: Film Reviews**

- Description: Users can write, publish, and view film reviews.
- Priority: High
- User Story: 2

### **Requirement 4: Film Lists**

- Description: Users can create, edit, and share film lists.
- Priority: Medium
- User Story: 3

### **Requirement 5: Social Interaction**

- Description: Users can follow, like, comment on, and message other users.
- Priority: Medium
- User Story: 4

### **Requirement 6: Film Discovery**

- Description: Users receive personalized film recommendations.
- Priority: Medium
- User Story: 1

### **Requirement 7: Film Diary**

- Description: Users maintain a chronological record of watched films.
- Priority: Low
- User Story: 1

### **Requirement 8: Statistics and Insights**

- Description: Users access detailed statistics on film-watching habits.
- Priority: Low
- User Story: 5

## **5. List of Non-Functional Requirements:**

- (Compatibility) Application should be compatible with various web browsers, including Chrome and Mozilla Firefox.
- (Development Requirement) Data shall be stored in the MySQL database technology on the team's Amazon AWS EC2 deployment server.
- (Usability) The application should be easy to use and intuitive.
- (Development Requirement) The code in the master branch of the team's GitHub repository should be well-maintained and tested, guaranteeing working functionality at any time.

## 6. Competitive Analysis:

Feature	Rotten Tomatoes	IMDB	Ensignt
User Registration	Yes	Yes	Yes
Film Logging	No	Yes (via Lists)	Yes
Film Reviews	Yes (User & Critics)	Yes	Yes
Film Lists	Yes (Curated)	Yes (User-created)	Yes
Film Ratings	Yes	Yes	Yes
Film Discovery	Yes	Yes	Yes
Film Diary	No	No	Yes
Social Interaction	Limited	Yes (User Profiles)	Yes
Statistics and Insights	Limited	Yes	Yes
Film Industry Directory	No	Yes	Yes
Platform Availability	Web, Mobile App	Web, Mobile App	Web
User Review Credibility	Mixed (User & Critics)	Mixed (User & Critics)	Community-based
Monetization Options	Ads, Premium Features	Ads, IMDbPro, Amazon	TBD



**Advantages:** Ensign offers several key advantages over existing platforms like IMDb and Rotten Tomatoes. Firstly, it provides a seamless and user-friendly experience for film enthusiasts, combining features like film logging, reviews, lists, ratings, and social interactions all in one place. Unlike IMDb, we emphasize community-based reviews, creating a more engaging and credible user experience. With a strong focus on detailed viewing statistics and insights, Ensign caters to those seeking a deeper understanding of their film-watching habits. Overall, Ensign aims to provide a holistic and interactive film experience, differentiating itself in the market.

## 7. High-Level System Requirements:

- **Front-end:** HTML, CSS, TypeScript
- **Back-end:** Python 3.11
- **Web Application Framework:** Django 4.2.5
- **Database:** MySQL 8.0
- **Web Server:** Caddy 1.12.2
- **Deployment:** AWS EC2 (Elastic Compute Cloud) with Ubuntu 22.04 as Operating System
- **API:** TMDB (for dataset), Google (for login authentication)

## 8. Team:

- Pragati Makani: Team Leader
- Sarah Abusaif: Front-end Lead
- Alexander Del Rio: Back-end Lead
- Mohammad Dahbour: Scrum Master/Backend
- Christian Montalvo: GitHub Master/Frontend

## 9. Checklist:

- ☒ Team found a time slot to meet outside of the class.
- ☒ Scrum Master shares meeting minutes after each meeting.
- ☒ GitHub master chosen.
- ☒ Everyone set up their local development environment from the team's Git repo.
- ☒ Team decided and agreed together on using the listed SW tools and deployment server.
- ☒ Team is ready and able to use the chosen back/front-end frameworks.
- ☒ Detailed study plan for each technology is outlined.
- ☒ Team Lead ensured that all team members read the final M1 and agree/understand it before submission.

----- Thank you -----