Sprint I - Project Vision

Movie Match

Programación Web y Móvil

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Vision

1.   Introduction

"Movie Match" is a web and mobile application designed to simplify the process of choosing movies. Users will be presented with a movie poster and its description. They can decide if they like the movie or not by swiping in the appropriate direction. When users are unsure of what to watch, they can browse movies from their liked list. They can also use a "shake" option, where the app will choose a random movie from their liked list. Our app is called "Movie Match" because users can match their liked movies with another user and then search for a movie to watch together. Users will be connected by a special code, unique for each user.

2.   Product positioning

2.1   Problem statement

Problem statement	Indecision in what movie to watch due to the overwhelming number of options.
Impact of the issue	This indecision can lead to frustration and dissatisfaction of chosen content.
Proposed solution	Creating an app that helps you decide what movie you want to watch by showing a list of movies you might like. The app lets you sort through the movies and even offers the option to randomly select a movie from your liked list.

Problem statement	Difficulties in selecting a mutually agreeable movie to watch with another person.
Impact of the issue	This challenge can result in frustration and disappointment, as it delays the enjoyment of shared movie-watching experiences and may lead to prolonged decision-making processes.
Proposed solution	Developing an application that simplifies the process of selecting a movie to watch with a friend by presenting a curated list of options tailored to both users' preferences. The app would provide tools for browsing joint liked movies, as well as offering the convenience of selecting a random movie from their shared favorites to provide quicker decision-making.

2.2   Product positioning description

For	Movie enthusiasts looking for a seamless way to choose films to watch with friends, significant others or alone.
Which	Facilitates the effortless selection of movies to watch by presenting personalized movie suggestions and enabling connections between users for shared viewing experiences. The app streamlines the decision-making process and enhances enjoyment of movie nights.

Movie Matching App	Movie Match
Which	Simplifies the process of choosing movies by presenting users with curated movie options and allowing them to indicate their preferences through swiping. Users can easily browse their liked movies for future reference and utilize a random selection feature for spontaneous choices. The unique matching feature enables users to sync their movie preferences with others and search for movies to watch together using a special code.
Different from	Current methods of selecting movies often involve lengthy discussions and indecision, Traditional movie recommendation systems that lack interactivity and personalization.
Our Product	Offers a more interactive and tailored approach to movie selection, leveraging user preferences and connections to enhance the movie-watching experience. By providing curated suggestions and facilitating connections between users. Movie Match makes choosing and enjoying movies with friends easier and more enjoyable.

3. Stakeholders and users

3.1 Summary of stakeholders

Name	Description	Responsibilities
Metflix	A streaming platform that has identified user difficulties in selecting films.	Collaborate with the Movie Match app to provide a seamless integration of their catalog, ensure updated content is available, and assist in user engagement analytics.
End Users	People who are undecided about which movie they want to watch, either alone or with someone else.	Engage with the app by swiping to like or dislike movies, provide feedback for app improvements and use the matching feature to connect with friends.
Project Development Team	The group of specialist responsible for the entire project lifecycle.	Develop the app, maintain it and prepare proper documentation
Marketing team	Outsourced company, specialized in marketing campaign.	Create marketing campaign promoting Movie Match app, analyze market trends (for instance trending categories of movies), providing feedback from the community.
Sponsors	Financial backers who provide the capital necessary to fund the development of the Movie Match app.	Offer financial support, oversee the project's progress to ensure it meets investment criteria, and provide strategic business advice.

3.2 Summary of users

Name	Description	Scope of Responsibility
Movie Enthusiasts	The main users of the app, seeking a simplified method for choosing movies to watch with friends or significant others.	Actively engaging with the app to browse movie suggestions, indicating preferences through swiping, and connecting with others for shared movie-watching experiences. Additionally, providing feedback on movie selections and contributing to the enhancement of the app's features.

4.   Description of the product

4.1   Needs and Features

Need	Priority	Description	Planned Release
Movie Selection	Must	Curated movie suggestions tailored to user preferences for effortless decision-making.	1.0
Swiping Functionality for Preferences	Must	Intuitive swiping mechanism allowing users to indicate their movie preferences with ease.	1.0
Connection Feature for Shared Viewing	Must	Unique matching feature enabling users to sync movie preferences with friends and search for movies to watch together using a special code.	1.1
Browsing Liked Movies	Must	Convenient feature allowing users to browse their liked movies for future reference.	1.1
Random Movie Selector	Must	Fun and spontaneous feature for selecting a random movie from the user's liked list.	1.1
Enhanced Matching Algorithm	Should	Improved matching algorithm for more accurate pairing of movie preferences between users.	2.0

5.   Other Product Requirements

Requirement	Priority	Planned Release
Automatic backup feature for user preferences and matched movie lists.	Should	2.0
Offline access to liked movies and matched movie selections for uninterrupted movie planning even without an internet connection.	Should	2.0
Three language versions of the app (e.g., English, Spanish and Polish) to cater to a broader audience.	Could	2.1
Integration with social media platforms for sharing movie recommendations and matched movie selections.	Could	2.1
Integration with messaging services for seamless communication between matched users.	Could	2.1

Business Rules

Business Rules Indicating Requirements:

- A user must be registered with a unique account to access personalized movie recommendations.
- Each movie displayed must have an associated detailed description.
- In order to match movie with different persone the user have to connect via user hash
- In order to create account user have to provide valid email address and set password
- One email can't be used to create more than one account

Business Rules Indicating Prohibitions:
- A user cannot have multiple active sessions on different devices simultaneously to ensure account security.
- After creating account user cannot change their email address
- User cannot change assigned hash code
- The user cannot see a movie for rating that has already been rated by them

Operation Constraints:

- User can't be part of the open movie matching session and rate movies simultaneously.
- The movie database must be updated to the start of each quarter to ensure the latest releases are included.

Calculations:

- After a user rates a movie positively, it is saved to the user's database of liked movies. Conversely, if the user rates a movie negatively, it is saved to the user's database of disliked movies.
- Liked movies are retrieved from the user's database of liked films.
- For a single user, the "shake" function randomly selects a movie from the user's database of liked films. If this database is empty, a random movie is selected from all available movies.
- Only exactly two users can be connected with each other.
- When users are connected, the list of liked movies is generated based on the combined databases of liked films for each connected user.

- When users are connected, the "shake" function selects one random movie from the combined databases of liked movies for each connected user. If this set is empty, "shake" chooses a random movie from all available films.

6. Logic diagram of database