S.O.W
(Statement of Work)

Project name: My Movie

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Course: Integrative software engineering
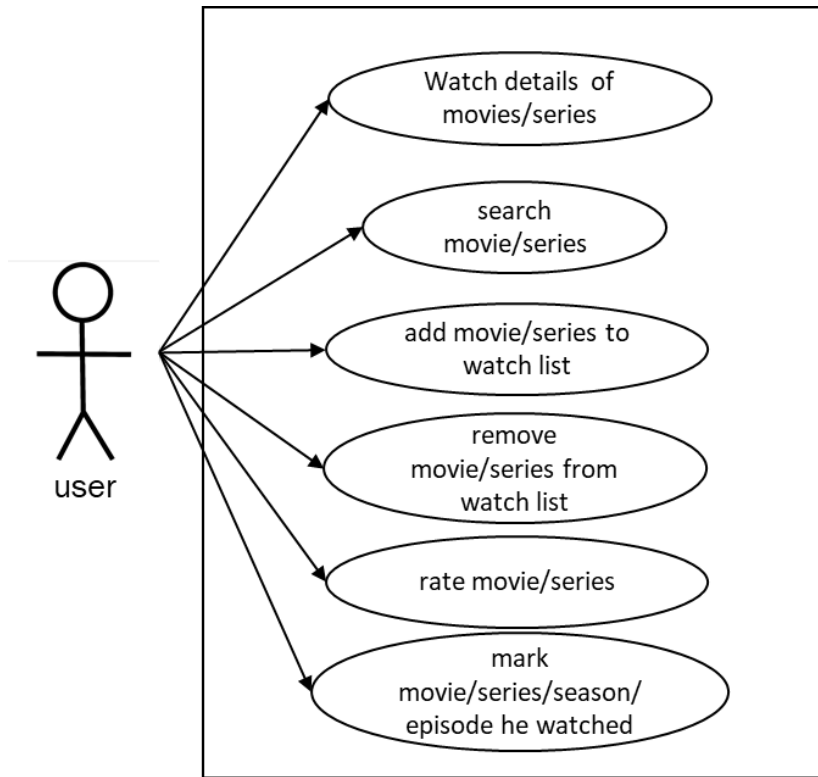
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1. Introduction

1.1. "My Movie", a website that will have a "library" of movies / tv series' and information about them, such as their description, how many episodes (in a tv series), their length and more.

1.2. The purpose of the website is to allow users to look up movies and tv series' that might interest them, let them rate (i.e from 1-10) movies/shows they've already viewed, and create watchlists for themselves to manage and view.

1.3. **Scope**: we will not have a review system, we will not automatically recommend shows for users by their watching habits.

2. Actors and goals

2.1. <u>User</u>

2.1.1. Role: Primary actor.

2.1.2. Description: A registered user of the website.

2.1.3. Goal: search movies/series by name and type, add/remove movies/series to/from his watchlist, rate movie/series and mark which movies, episodes of season he has already watched.

3. Use Case Diagram

3.1. Use Case Details

3.1.1. Watch details of movies/series

3.1.1.1. <u>Actors</u> - User.

3.1.1.2. <u>Goal</u> - Watch details of movies/series.

3.1.1.3. <u>Main Flow</u>

3.1.1.3.1. User clicks on the movie/series he wants..

3.1.1.3.2. The details of the movie/series showing up.

3.1.1.4. <u>Alternate Flow</u>

3.1.1.4.1. the System detects there are no movies/series to display.

3.1.1.4.2. the user gets a message that there are no movies/series to display.

3.1.2. search movie/series

    3.1.2.1.   <u>Actors</u> - User

    3.1.2.2.   <u>Goal</u> - Finding movies/series by name or type.

    3.1.2.3.   <u>Main Flow</u>

        3.1.2.3.1.   the user sends

        3.1.2.3.2.   the name of the movie or series that he desires.

        3.1.2.3.3.   The movies/series with the same name showing up.

    3.1.2.4.   <u>Alternate Flow</u>

        3.1.2.4.1.   In main flow 3.1.1.3.2 it is possible that searched movie/series is not in the exist, in that case the system will display a message saying "couldn't find "movie/series name" in the list"

3.1.3. Add movies/series to watch list

    3.1.3.1.   <u>Actors</u> - User

    3.1.3.2.   <u>Goal</u> - Add movies/series to his watch list

    3.1.3.3.   <u>Main Flow</u>

        3.1.3.3.1.   User choose the movie/series he want to add to his watch list.

        3.1.3.3.2.   System updates the user's watchlist.

        3.1.3.3.3.   This movie/series will appear in his watch list.

    3.1.3.4.   <u>Alternate Flow</u>

        3.1.3.4.1.   In level 3.1.3.3.1 the user adds a movie/series that already exists in his watch list.

        3.1.3.4.2.   System updates the user with a message.

3.1.4. Remove movies/series from watch list

3.1.4.1. <u>Actors</u> – User

3.1.4.2. <u>Goal</u> – remove movies/series from his watch list.

3.1.4.3. <u>Main Flow</u>

    3.1.4.3.1. User choose the movie/series he want to remove from his watch list.

    3.1.4.3.2. System updates the user's watchlist.

    3.1.4.3.3. This movie/series doesn't appear in his watch list.

3.1.4.4. <u>Alternate Flow</u>

    3.1.4.4.1. In level 3.1.4.3.1 the user removes a movie/series that does not exist in his watch list.

    3.1.4.4.2. System updates the user with a message.

3.1.5. Rate movie/series

3.1.5.1. <u>Actors</u> – User.

3.1.5.2. <u>Goal</u> – Rate movie/series

3.1.5.3. <u>Main Flow</u>

    3.1.5.3.1. User press on movie/series.

    3.1.5.3.2. User decide the rate of the movie/series and press on the specific rating between 1-10.

    3.1.5.3.3. System calculates and updates the new rating of the movie/series.

3.1.5.4. <u>Alternate Flow</u>

    3.1.5.4.1. In level 3.1.5.3.2 the user rated the movie/series with a rating of -1.

    3.1.5.4.2. System displays an appropriate message.

3.1.6. <u>Mark movie/series/season/episode he watched</u>

    3.1.6.1.   <u>Actors</u> - User

    3.1.6.2.   <u>Goal</u> - Change watch status of movie/series/season/episode in his watchlist.

    3.1.6.3.   <u>Main Flow</u>

        3.1.6.3.1.   User mark true in a movie/series attribute isWatched .

        3.1.6.3.2.   System update the movie/series.

    3.1.6.4.   <u>Alternate Flow</u>

        3.1.6.4.1.   In level 3.1.6.3.2 if the movie/series does not exist the system alerts a message..

4. Non Functional Requirements

Requirement Number	Requirement Description	Requirement Type
4.1	Back-end logging	Supportability