

# Robin Andblom - Lexicon Final Project

## Movie Database App

1 November, 2021

### Scope

My project is about developing a web app similar to IMDb (Internet Movie Database), where you can show, search for, save, comment and rate movies using a registered account. You have to register in order to comment, rate and save movies. I am going to use ASP.NET MVC to get a base frontend up, then I'm going to use entity framework, SQL Server to create the database. I want to try to use the IMDb API to fetch data or the like. The main CRUD functionality will be of reviews (comments and rating). The scope might change if some things take time. The tables will be the following:

#### 1. Movies

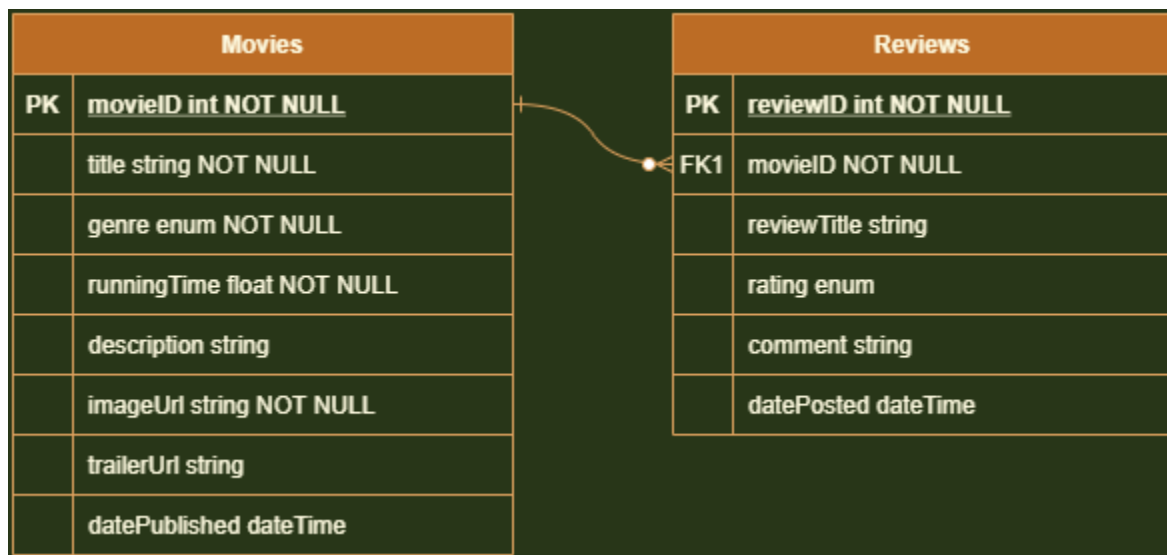
- a. Movie ID (**PK**)
- b. Title
- c. Genre
- d. Running time
- e. Description
- f. Poster Url
- g. Trailer Url
- h. Date Published

## 2. Reviews

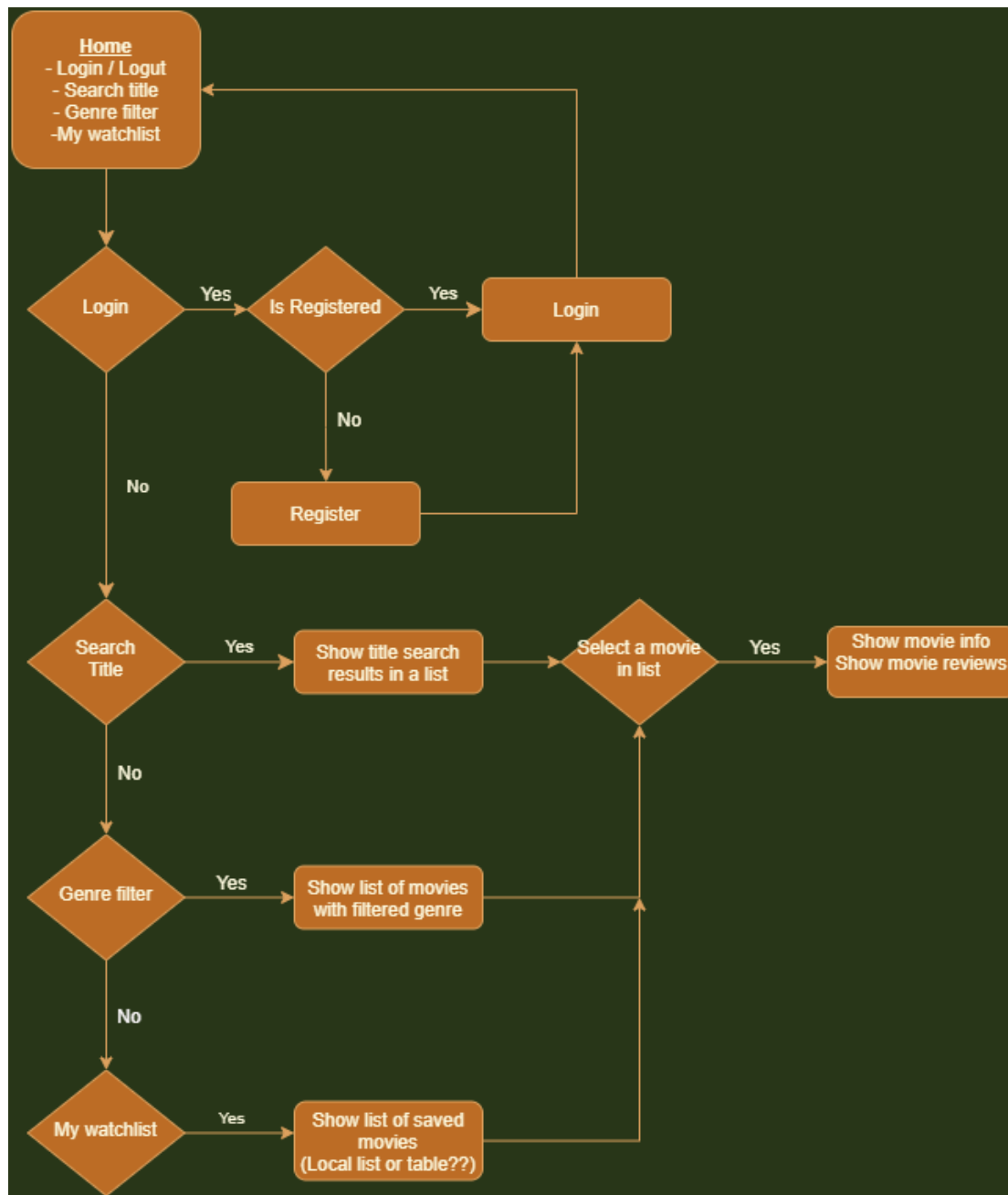
- a. Review ID (**PK**)
- b. Movie ID (**FK**)
- c. Review Title
- d. Date posted
- e. Rating
- f. Comment

## Specifications

In order to get a good grasp of the scope and project, I made a few diagrams to help me out, and to split up the different components.



## Flowchart - Web App Events



## Milestones

1. Design database and entity relations, setup database
2. Setup model logic and properties (movies & reviews)
3. Solve how to connect one movie to many reviews (foreign key)
4. Figure out how to show list of reviews under the related movie (Partial view)
5. Setup simple registration and login logic (identity)
6. Solve how to make the user watchlist, connected to the specific logged in user.  
Enable the user to add and remove movies to their list
7. Fetch movie data from IMDb API, replace hard coded entries with these