

IMDb Clone/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

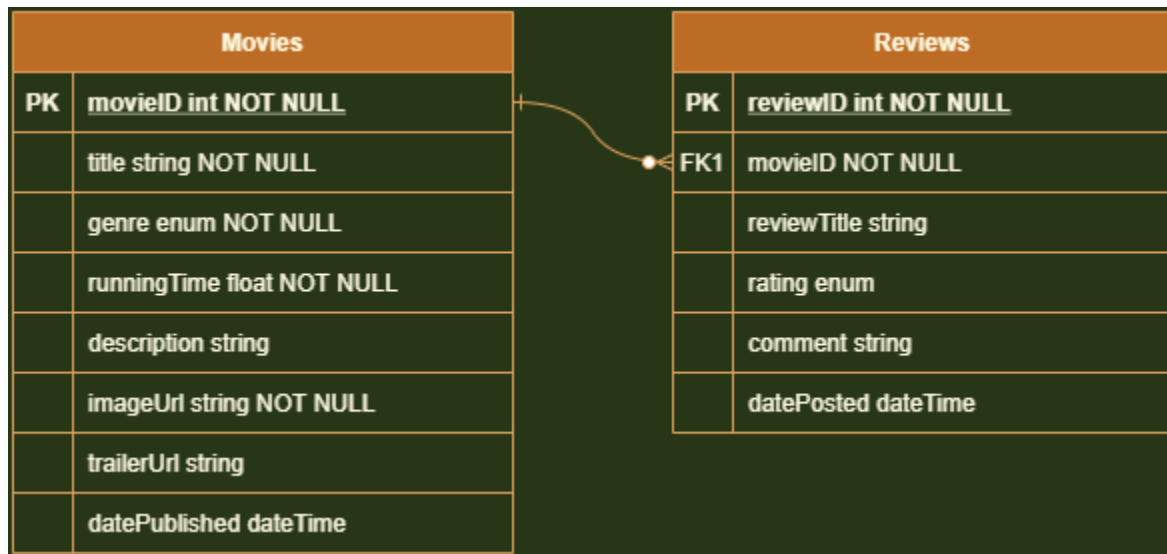
- a. Movie ID (**PK**)
- b. Title
- c. Genre
- d. Running time
- e. Description
- f. Image Url (Api?)
- g. Trailer Url (Api?)
- h. Date Published

2. Reviews

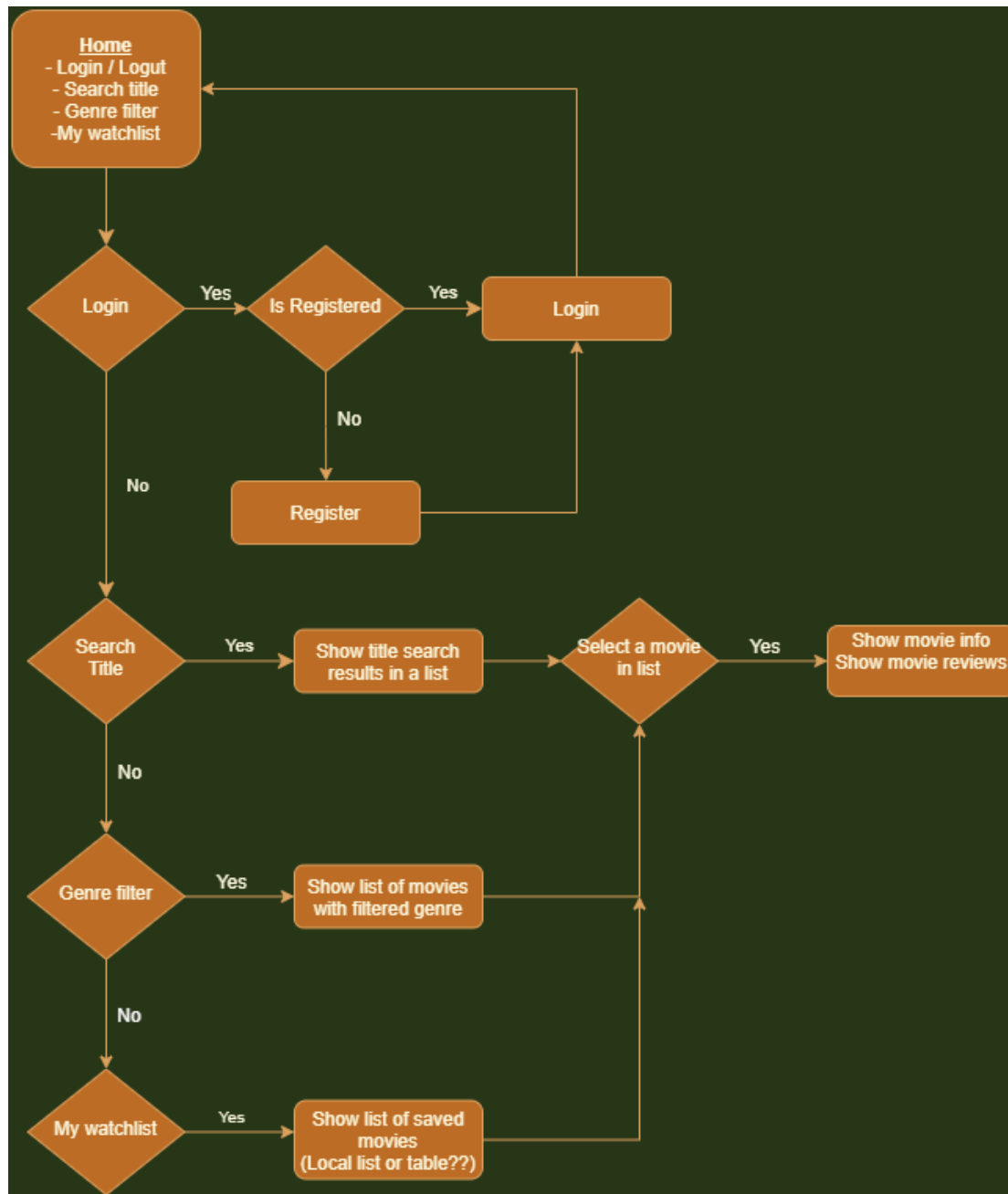
- a. Review ID (*PK*)
- b. Movie ID (*FK*)
- c. Review Title
- d. Date posted
- e. Rating
- f. Comment

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. Set up database & tables
2. Setup simple entry search and filtering
3. Setup simple review logic (separate)
4. Setup simple registration and login logic
5. Figure out how to solve the partial views that must be shown on multiple pages
6. Solve how to connect one movie to many reviews (foreign key)
7. Solve how to make the user watchlist, connected to the specific logged in user (local table or list?)