## **Robin Andblom - Lexicon Final Project**

# IMDb Clone/Movie Database App

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### 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

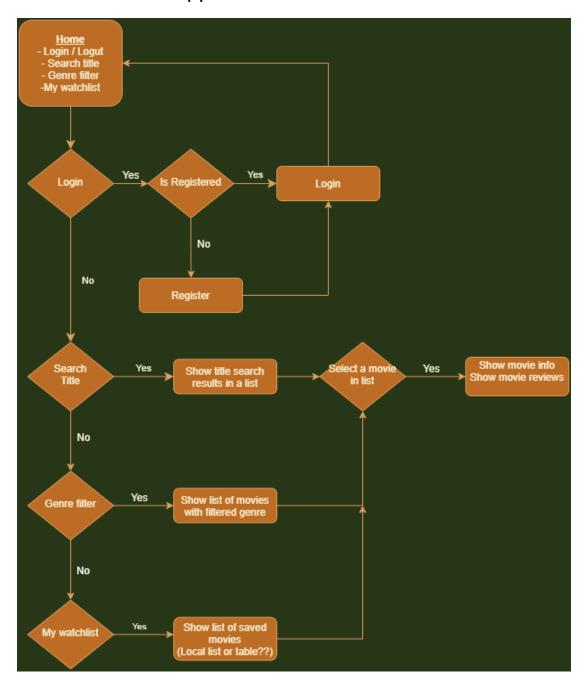
- a. Review ID (PK)
- b. Movie ID (FK)
- c. Review Title
- d. Date posted
- e. Rating
- f. Comment

## **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.

Movies			Reviews	
PK	movieID int NOT NULL	+	PK	reviewID int NOT NULL
	title string NOT NULL	•	FK1	movieID NOT NULL
	genre enum NOT NULL			reviewTitle string
	runningTime float NOT NULL			rating enum
	description string			comment string
	imageUrl string NOT NULL			datePosted dateTime
	trailerUrl string			
	datePublished dateTime			

## 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?)