Project Details:

Name of project: MovieRater

Team: Team 13

Team Members:

Team Members	NET ID	UTD ID
Ahmad Bahkit Al Fayez	AHB220001	2021679175
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Problem Statement: *"Scattered movie reviews across different platforms"*

In what ways will your suggested database system solve the issue?

We believe that our MovieRater project would solve that problem as we will create a centralized platform that will have a very streamlined process of creating, viewing, and editing reviews so the users will love how smooth and fast our platform is, and use it dominantly to access movie reviews. Like how Google dominates the search engine platform compared to Bing etc...

Why would you need a database as opposed to an Excel document?

We believe that using a database is much better and more optimized when dealing with large amounts of data, but also data that is being accessed by multiple users. Since we are trying to create a dominant platform within the reviews market we would need a platform that is able to handle a lot of data efficiently. A database would be the best as it is more robust for dealing with transactional control, scalability, and security management, in comparison to an Excel document which is much more limited.
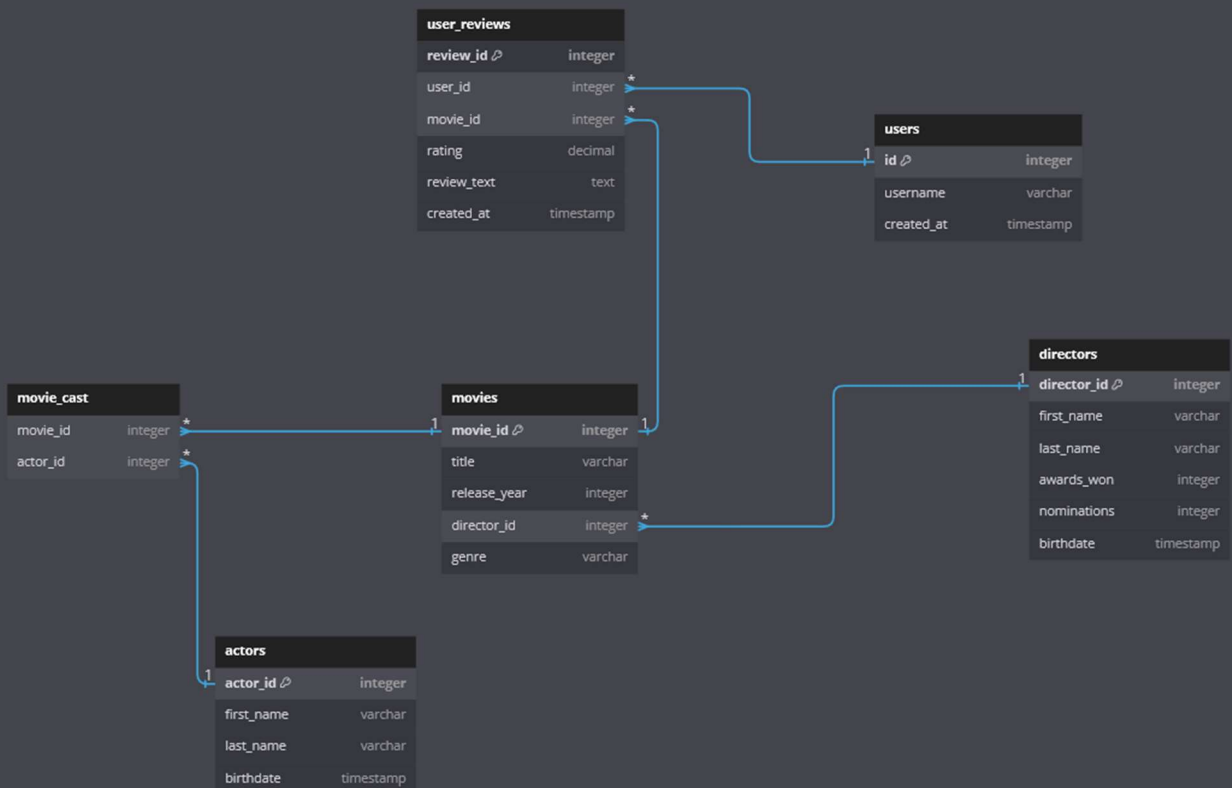
Target user:

Who will access the database?

Access to the database would provide primarily to registered users for them to add their reviews into the database through user friendly forms. For example, anyone in our class can create an account with our platform and rate a movie of their liking such as Oppenheimer and give their opinion on it through the interface and share it with everyone in the platform.

Who is going to manage the database?

Admins that will have access to the database so they can moderate over the content and maintain its integrity. For example, anyone in our class can create an account with our platform and rate a movie of their liking such as Oppenheimer and give their opinion on it through the interface and share it with everyone in the platform. However, their wording of the rating might not align with our community guidelines, so we can temporarily remove the rating and allow them the opportunity to fix their wording to more suitable wording.

List of Relations: (Used https://dbdiagram.io/d to create it)

Web Interfaces:

Describe the web interfaces you'll be designing in preliminary designs.

Our web interfaces will be designed using HTML, CSS, and JavaScript. We will also be utilized using React framework and PHP to connect to the database. Our design aimed to be as user-friendly as possible,we will incorporate as many useful forums as possible so any average user can use our platform.

Data:

How will you populate your relations?

We would like to use an external source through an API to get the data for movies names, release year etc... and then we will get the User Reviews data from them creating accounts and populating their reviews within our platform. So, we will be utilizing external sources and creating our own data through users.