DeltaX - Backend Assignment(Product Engineer .net)

As required, I have created 3 API endpoint they are

1. Get – to extract list of all movies.
2. Post – to insert new movies.
3. Put – to edit movie
4. Basically, I have used asp.net core webapi architecture and entityframework to connect with Local SQL database.
5. In order to receive the data from frontend, I have created own class and named it as UI\_data

And it has all the objects that we will receive from frontend namely Movie name, Producer,

Release date, list of actors.

1. I have mainly created 4 table under Entertainment database (named it because in future other source of entertainment arises other that movie)

a. Movie

b. Producer

c. Actor

d. Table connecting Movie and Actor.

1. Project has only one controller that is “MovieController” that has all the 3 api.

Sample Responses:

1. To Get list of all movies

Text

Description automatically generated Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

2. To Insert new movie.

If you try to insert a movie with all the details properly, it will return true.

Graphical user interface, text, application, email

Description automatically generated

If you try to insert a movie with any of the parameter as null it will throw an error(For example movie name is empty).

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

If you try to insert a movie which is already in database it will also throw an error(For example KGF is already present in database).

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

3.Edit a movie.

If you try to edit a movie and everything goes well the return will be true.

Graphical user interface, text, application, email

Description automatically generated

But if you try to edit a movie which is not present in database it will throw a error.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated