DOES THIS HAVE TO BE A WORD DOCUMENT (DOES MARKDOWN WORK).

CAN WE USE PICTURES FOR REQUEST/RESPONSE BODY

PLAN:

* Introduction (techstack, overview)
* Prerequisites & initial setup
* Backend endpoints – explained w/ security, method, url, parameters (POSSIBLY examples)
* TBD: DB models required or not????
* Testing coverage (TBD)
* Obsevability/additional services?

# Overview

The application aims to mimic the functionalities of IMDB – browsing movies/shows by genre, actors, ratings, etc.

The project utilizes different languages and frameworks for its backend and frontend. The entire techstack is as follows:

* Frontend – React using Tailwind CSS for majority of styling
* Backend – ASP.NET (C#) with additional services for observability (details further down)
* Database – Local instance of Microsoft SQL Server
* Local development/deployment – Docker
* Observability – OpenSearch

# Prerequisites

Setting up the project requires having a local instance of Microsoft SQL Server installed on your machine or having access to such. The backend infrastructure is mostly setup and sample-configuration files have been provided with the project as well as the necessary migrations. You will need to replace the server instance, user and password to your actual ones in order to connect the backend container to your SQL server instance. Furthermore, upon first installation it is recommended, although completely optional, to setup your OpenSearch dashboard with the provided imports in the project by following the detailed instructions provided.

# Backend Endpoints

All endpoints split by controllers will be described in the following way:

* Method (GET/POST/SET/PATCH/etc.)
* URL
* Parameters
* Authentication required
* Request body (where applicable)
* Response body

## Genres Controller

GetAllAsync

* Method - GET
* URL - “api/genres”
* Parameters – N/A
* Authentication required – None
* Request body – N/A
* Response body –

|  |
| --- |
| [  {  "id": 1,  "name": "Horror"  }  ] |

Create