**Documentation**

**Problem statement** - Base structure for the backend

**Pre-requisite**

* + 1. .NET SDK
    2. Modules used –

1. Entity Framework Core
2. Entity Framework Core SQL Server
3. Entity Framework Core Tools

3. SSMS

**Analysis**

The requirement of the given task was to create the base structure of the backend for the automation of story tracker.

**Proposed Solution**

1. For creating the base structure create an API project in visual studio.
2. Create a Models folder in which all the tables that will be existing in our database will be created using code first approach.
3. For our project requirement, what tables are required in database and what files are required for the controller’s folder are created.
4. Create a StoryTrackerDb.cs file in Models where all the user data will be stored which can be viewed by both user and admin.
5. Writing the connection string in appsettings.json file for connecting the database and backend.
6. Then create a context file in which all the tables will be mentioned that are required.
7. Going for the code first approach, run the migration command and update the database in the package manager console.
8. Researched about swagger on YouTube for maintaining/documenting all the APIs.
9. We have to add the UseSwagger and UseSwaggerUI in Configure method in the startup.cs file
10. Created a demo get API in the excel controller for fetching the users information.
11. Tested the API on swagger UI.

**Diagram**

Graphical user interface, text

Description automatically generated