Database design

A diagram of a database

Description automatically generated

ASP.NET identity tables + our own Custom tables.

Video 1 : we added our own custom columns to the AspNetUsers identity table by creating a new ApplicationUsers class in the ApplicationDbContext.cs file as the identity system does not provide us with this code by default. We then changed some code in the startup.cs file.

Video 2 : we added character limits to our previously added varchar columns. Learned to run database migrations and how to commit the changes to the database.

Video 3 : Building the infrastructure for our custom tables. Created separate Classes for each database Entity in the Entity folder. Notified the ApplicationDbContext class of these custom additions with the following code :

public DbSet<Category> Category { get; set; }

public DbSet<CategoryItem> CategoryItem { get; set; }

public DbSet<MediaType> MediaType { get; set; }

public DbSet<UserCategory> UserCategory { get; set; }

public DbSet<Content> Content { get; set; }

and then ran a migration to add these custom tables.

Video 4 : built the admin menu and integrated into the pre existing navigation bar. We did this by creating a partial view (\_AdminMenuPartial.cshtml) and integrated into a our special view called the layout view.

Video 5 : Added an Admin Area by scaffolding