1. What folder/file contains the information that is common to all the pages in the application?

Shared

1. What folder was created in order to hold the entity classes?

Models

1. What two property names does EF Core use by default in order to hold the primary key of an entity?

ID or classnameID

1. Explain the purpose of navigation properties.

link to other entities that are related to this entity

1. If a navigation property needs to hold a reference to more than one entity, such in the case of a one-to-many relationship, what data type structure is used by EF Core?

List type

1. What is the database term used for the field on the many side of a one-to-many relationship?

Many-to-many

1. When creating the Grade propery in the Enrollent entity, what does the question mark signify?

It is null able

1. What does scaffolding a model produce?

CRUD operations for the student model

1. List the new files that were added to the application after scaffolding the student model.

Pages/Students Create, Delete, Details, Edit, Index.

Data/SchoolContext.cs

1. List the files that were changed as a result of scaffolding the student model.

Startup.cs : Changes to this file are detailed in the next section.

appsettings.json : The connection string used to connect to a local database is added.

1. In the SchoolContext class, what is the data type of the property that will hold the student data?

DbSet<Enrollment>

1. What was added to the appsettings.json file so that the application knows what database server and name will be used?

DbContextOptions

1. What is the purpose dependency injection?

Providing objects that an object needs instead of having it construct them itself

1. Briefly describe the purpose of the EnsureCreated method, and how it compares to using database migrations.

ensures that the database for the context exists. If it exists, no action is taken. If it does not exist, then the database and all its schema are created

1. Define the terms entity set and entity as used in the Entity Framework.

Entity set is a DB table and a Entity is a row in a table.

1. Explain why coding the DbSet properties for Enrollment and Course are optional.

because the Student entity references the Enrollment entity, and the Enrollment entity references the Course entity

1. During the database seed process, what block of code ensures that the database hasn’t already been created?

if (context.Student.Any())

{

return; // DB has been seeded

}

1. Using SQL Server Object Explorer, answer the following questions:
   1. Copy and paste the exact name of your database. (hint: use the property window)

(localdb)\MSSQLLocalDB

* 1. What is the datatype/length of the Title column in the Course table?

nvarchar(MAX)

* 1. What did SQL Server name the foreign key between the Enrollment and Student tables?

FK\_Enrollment\_Course\_CourseID

1. The author of this tutorial makes a point to end this section with a discussion on Asynchronous programming being the default for ASP.NET Core. **Briefly** explain why this is important.

asynchronous code enables server resources to be used more efficiently, and the server is enabled to handle more traffic without delays

1. What code file contains the OnGetAsync method that the sample code mentions?

public async Task OnGetAsync()

{

Student = await \_context.Student.ToListAsync();

}