DESIGNING AND CREATING A REST API

Objectives: Producing an API with Database

Task: Design and implement a web API based around the Northwind database.

What will the application do?

As a group, review the tables in Northwind. Prioritize the information that you see being most important for a client and build an API to provide it, subject to the build specs below.

Build Specifications:

- API must have at least 3 controllers (3 points, 1 per working controller)
- API must have at least 2 GET endpoints per controller, whether there's an additional path added on (/api/Products/ByCategory) or you've got an optional query parameter (/api/Products?category=Food) (6 points, 1 per endpoint)
- API must have at least 2 POST endpoints (total, not per controller) which allow information to be added to a database table (4 points, 2 per endpoint)
- API must have at least 1 DELETE endpoint (total, not per controller) which allows records to be deleted. Choose wisely! You have to be careful deleting when another table's foreign key relationships point to records in your table. (2 points)

Extended Challenges:

- Implement PUT and PATCH methods as well for altering records.
- Refactor your code with a DAL, IDAL, and dependency injection.