Technology Assessment

## Sendeo Online Shop

Sendeo is an online shop. They would like to share the orders with an API to third party applications. Order information should also include customer and product details.

Create 3 microservices: order, customer and product. Create a RESTful API that returns orders fulfilled within the given date range in the order microservice. Use .NET6, EF Core, CQRS, Docker, RabbitMQ. Please note the stress is on microservices approach and test coverage.

What we care about:

**Required Activities**

* Very clear data model for orders, customers and products
* Object oriented programming approach, provide a high-level UML class diagram of all the key classes in your solution. This can either be on paper or using a CASE tool
* Unit tests to achieve good code coverage, good use of Mocking
* Code to be generic and simple
* Leverage today's best coding practices
* Clear README.md that explains how the code and the test can be run and how the coverage reports can be generated

**Bonus Activities**

* Create scripts, e.g. Nuget, etc. to:
  + build the project from the command-line e.g. MsBuild
  + run static code analysis such as linting
  + run unit tests and code coverage
* SonarQube report for the code showing its quality summary

Create a **GitHub repository**, ensure the name is generic and doesn’t have any company names. Commit your code to the GitHub repository and share the link with us.