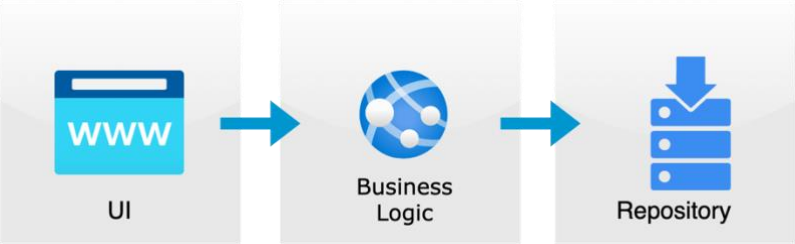
Inimco Developer Exercise

Goal

The goal of this exercise is to illustrate your expertise in/with:

- **Design**: the structure of your solution, technical design, etc.
- **Development**: design patterns, OO-techniques, validations, testing, etc.
- **Documentation**: Inline comments, usage documentation, etc.
- **Demo**: explain and showcase your developed solution



As mentioned, the goal is to illustrate your expertise; so don't spend too much time on details like UI designs, error handling, etc.

The Assignment

You must build a small solution where the user can enter

- the first name and last name of a person
- some social skills of the person; like social, team player, etc.
- its social media accounts like Facebook, LinkedIn, Twitter, etc.

When all details are entered, the following feedback should be returned:

- the number of vowels and consonants in the first and last name.
- the first and last name should be reversed: e.g., *Joe* becomes *eoJ.*
- The information entered is shown in JSON format.

Below, a sample output of the console application:

```
The number of VOWELS: 3
The number of CONSTENANTS: 4
The firstname + last name entered: John Doe
The reverse version of the firstname and lastname: eoD nhoJ
The JSON format of the entire object:
{
  "FirstName": "John",
  "LastName": "Doe",
  "SocialSkills": [
    "social",
    "fun",
    "coach"
  ],
  "SocialAccounts": [
    {
      "Type": "Twitter",
```

```
      "Address": "@JohnDoe"
    },
    {
      "Type": "Linkedin",
      "Address": "Linkedin.com/johndoe"
    }
  ]
}
```

Acceptance Criteria

The following acceptance criteria apply:

- The **UI** is a web application developed using a JavaScript based framework like Angular (preferred), React, Vue, etc.
- The **Business Logic** should be built in .Net Core with C# as programming language and is published as a REST API.
- The entered data should be stored in a **repository**, e.g., as a base repository, the data can be stored in a file.
- The solution should include basic **syntax validation**.
- The solution should be stored on **GitHub**.