

Animal Friends Insurance Registration API

Animal Friends Insurance (AFI) requires a new REST API to allow customers to register for the AFI customer portal. *(Note: this product is purely fictitious and this exercise is only going to be used as part of a technical test.)*

This new API should contain one endpoint. This endpoint should validate the customers information and return a unique online Customer ID. The registration data required is:

- 1) Policy holder's first name
- 2) Policy holder's surname
- 3) Policy Reference number
- 4) Either the policy holders DOB OR the policy holder's email

Technical Requirements

The REST API should be written using .NET core and for ease of Development the API does not need to have any authentication.

The Customer ID should be unique integer.

The submitted registration data should be stored, along with the customer ID to form a customer record. This can be in any DB of your choosing, MS SQL Server, SQLite, flat file etc.

Please can you publish your solution to a public Git Repo with regular commits.

Validation Requirement

In reality this registration data would be validated against a back-office policy system. But for the ease of this exercise the following validation should take place:

- 1) Policy holder's first name and surname are both required and should be between 3 and 50 chars.
- 2) Policy Reference number is required and should match the following format XX-999999. Where XX are any capitalised alpha character followed by a hyphen and 6 numbers.
- 3) If supplied the policy holders DOB should mean the customer is at least 18 years old at the point of registering.
- 4) If supplied the policy holders email address should contain a string of at least 4 alpha numeric chars followed by an '@' sign and then another string of at least 2 alpha numeric chars. The email address should end in either '.com' or '.co.uk'.

Assessment Criteria

We are not looking for a perfectly polished solution. Ideally the API should be functional. We will be focussing on coding standards and styles chosen. You are free to use any third-party libraries or services as you feel appropriate. You are also free to look up information online as required.

There is no time limit associated with this task, but as a guide, we would anticipate this to take approximately 2-3 hours. Your application to the role could still be successful even with an incomplete solution.

Following this technical test, you will be expected to discuss your solution with developers at AFI.