# Technical Test

## Programming test:

Below, please find a simple development task which we use for new employments in the development department. The task should be solved using .Net API for backend and preferably Angular as the frontend programming language.
The solution should be returned with a full runnable source.

## Test:

Assume you are working for a software house producing applications for a wholesales retailers, specialized in office furniture. Your clients need software to support the process of adding goods and sell these to shops and chains. It is common to give rebates to customers based on various criteria like how much they sell, time of year, special deals etc.

Make an application for managing products and customers based on the following criteria: A list of products with standard prices, a list of customers with rebate agreements.
An admin will be able to manage products, rebates and customers. A customer can buy the products at the resulting prices.

Explain how the program can be extended to cater for different rebate types like volume discount and special product offers. Show the extension points with interfaces, inheritance and other well known software patterns.

## Common description:

In the implementation we expect that you demonstrate reasonable use of the available language functionality for abstraction, interfaces, inheritance, separation of concerns, a good class structure and show a good programming practice. We are focused on code quality and good design, so it is nice if you add a design sketch.
Use of databases together with Entity Framework is a plus.

When finished, add a document containing the design sketch, explanations on how you would extend the application and the time used on the test.