



## Haulio Pte Ltd

Technical Test

Time Allowed: 1 Week

Instructions to Candidate:

1. Refer to the requirement below and develop a project using ASP.NET Core or ASP.NET Frameworks.
2. Please submit your project to Github or Gitlab repo with a README showing the API documentation and architecture diagram.

## Project

FarmFresh is an online supermarket offering a huge range of grocery products with deals and exclusive promotions. Its catalogue includes fresh groceries, household essential, and specialty products. FarmFresh also offers lifestyle tips to educate their target audience on the importance of healthy living.

Our eventual goal is to provide a dynamic and clean interface for the use across different screens to make the customers happy with the portal.

However, we would like to create a Proof-Of-Concept (POC) version of the portal to test our ideas with some of the customers first. Since it's POC, you need to deliver the requirements stated below.

## User Requirements

FarmFresh website consist of three main screens.

1. Landing Page
2. Product List page
3. Product Detail Page

Resources for this project can be found at <http://bit.ly/frontend-test-resources>.

## Technical Requirements

One of the following technology stacks should be used.

1. ASP.NET Core MVC && ( jQuery || Vue.js )
2. ASP.NET Core && Angular
3. ASP.NET MVC && (jQuery || Vue.js)
4. ASP.NET MVC && Angular.

## Frontend Requirements

It will be a plus if you implement frontend.

Front End design requirement file [click here](#).

- If you develop with MVC, recommend to use jQuery or Vue.js.
- It will be a plus if you use Ajax with Vue.js for the search box result binding.
- If you develop only API, recommend to use Angular with typescript.

## Backend Requirements \*

- Recommend to use N-tier architecture.
- It will be a plus if you use Entity Framework (Code First) with generic repository pattern for data access layer.
- It will be a plus if you implement the authentication.
- It will be a plus if you implement server-side pagination.
- If you develop only API for backend, the endpoints should be testable by Postman.