

FieldEdge Web Developer Code Challenge

The purpose of this code challenge is to assess the skills and experience of the candidate in the following key areas:

- Fetching/Updating data from the server using existing API.
- Working with ASP .NET Core and C#
- Design and Implementation of HTML pages.
- Working with CSS - Cascading Style Sheets
- Working with Array/Collections
- Working with Javascript/TypeScript
- Working with Git

Instructions:

1. Using Visual Studio or Visual Studio Code create a C# ASP.NET Core Web Application.
2. Given the following Customer API <https://getinvoices.azurewebsites.net/api/> use it to retrieve the data needed to build a table that will contain the following columns:

CustomerId	Firstname	Lastname	Email	Phone_Number	Country_code	Gender	Balance
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3. Apply format to the following columns:
 - A. Email (as a link)
 - B. Balance (as currency)
4. Create two more columns with a Delete and Edit Customer action for each element in the table.
5. Insert at the bottom of the table a button for Adding a new Customer.
 - A. For adding/editing, the user must be redirected to a new page.
 - B. When adding/editing a customer, make sure an Email is provided as it is a required field.
 - C. If validation fails, the field that has an error should be highlighted.

For JavaScript, please use VueJS, Angular or React.

For styling, you can use any CSS or library framework.

Please find below a list of all the APIs and the model that you are going to be using in this exercise.

Deletes the Customer List and Creates a new one

CreateCustomerList: [GET] <https://getinvoices.azurewebsites.net/api/CreateCustomerList>

Returns the List of Customers

Customers: [GET] <https://getinvoices.azurewebsites.net/api/Customers>

Creates a new Customer

CreateCustomer: [POST] <https://getinvoices.azurewebsites.net/api/Customer>

Returns a Customer by Id

GetCustomerById: [GET] <https://getinvoices.azurewebsites.net/api/Customer/{id}>

Updates an existing Customer

UpdateCustomer: [POST] <https://getinvoices.azurewebsites.net/api/Customer/{id}>

Removes an existing Customer

DeleteCustomer: [DELETE] <https://getinvoices.azurewebsites.net/api/Customer/{id}>

Customer Model

```
{
  "id": "string",
  "salutation": "string",
  "initials": "string",
  "firstname": "string",
  "firstname_ascii": "string",
  "gender": "string",
  "firstname_country_rank": "string",
  "firstname_country_frequency": "string",
  "lastname": "string",
  "lastname_ascii": "string",
  "lastname_country_rank": "string",
  "lastname_country_frequency": "string",
  "email": "string",
  "password": "string",
  "country_code": "string",
  "country_code_alpha": "string",
  "country_name": "string",
  "primary_language_code": "string",
  "primary_language": "string",
  "balance": 0,
  "phone_Number": "string",
  "currency": "string",
}
```

Delivering your work:

1. Create a Github repository for your work
2. Send the link to the repository via email.