

.NET Developer - Take Home Test

The purpose of this take home test is to gauge your ability and familiarity with common duties required for .NET development here at Capital Platforms. This including assessing your problem solving skills, your understanding of setting up projects, basic CRUD functions, SQL queries, data manipulation as well as basic front end duties.

The following work should take anywhere between 1 and 4 hours to complete depending on your skillset and the tools you choose to use to achieve this. This work must be committed to GitHub and link to be provided once completed.

The goal here is to take the small DB that we have provided, get it set up and connected to a basic .NET web application. From there, we need to map the values laid out in the UI of the example attached with the data provided. Once these values are mapped out, please also allow the ability to update these and create new line item entries. No specific user auth is required here.

This task is designed to be quite open-ended but the core requirements are listed below:

- Take data provided and map to an associated UI like the example shown below.
- User must be able to update existing entries.
- User must be able to create new entries

Outside of this, please feel free to add on anything you like, with a few examples listed below:

- Delete entries function (with confirmation step)
- Export XML function
- Export CSV function
- Match design of example UI given (see attached)

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CP

User Permissions

Add New User

☐ Customer Buy ☐ Customer Sell ☐ Consultant Buy ☐ Consultant Sell

Create New

ID	Customer Buy	Customer Sell	Consultant Buy	Consultant Sell	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<button>Update</button>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<button>Update</button>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<button>Update</button>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<button>Update</button>

CP

User Permissions

Add New User

☐ Customer Buy ☐ Customer Sell ☐ Consultant Buy ☐ Consultant Sell

Create New

You have successfully update user #1

OK

ID	Customer Buy	Customer Sell	Consultant Buy	Consultant Sell	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<button>Update</button>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<button>Update</button>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<button>Update</button>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<button>Update</button>