

The task

Your task is to create a Blazor web application that has these components

1 input box for inputting stock symbols (example input: MSFT or NVDA)

2 datagrid for displaying data for given symbol

3 button to start data fetch from backend api

Application usage is as follows:

1. user goes to page
2. user enters a stock symbol and presses a button
3. information about the stock is displayed on the screen in a datagrid
4. user enters another symbol and presses a button
5. data grid is refreshed with the new data

Instructions

1. Implementation language C#
2. To get the data: Create a free account to Finnhub (to use their API)

<https://finnhub.io/register>

Save your new API key somewhere. You see it on the screen after the registration

3. Create a Blazor project (Visual Studio 2022 is a good option)
4. Use MudBlazor component library <https://mudblazor.com/>
 - a. MudDataGrid
 - b. MudButton
 - c. MudTextField
5. Store the api key into a configuration file, not in code
6. Base URL for the api call is <https://finnhub.io/api/v1/search>
(check the documentation for details <https://finnhub.io/docs/api/stock-symbols>)
7. It must be possible to use sorting and filtering on the datagrid
8. Do not display all properties if the datagrid gets too wide for a regular laptop screen
9. One way to get api response to MudDataGrid is to deserialize the response into C# objects and then display a list of those objects on the MudDataGrid

It does not matter if the output on screen is about one or several stocks. Whatever the api outputs, all rows are displayed on the screen for given input symbol.

Delivery instructions

Remove the bin and obj directories from the solution directory. Zip the solution directory and send it to support@wise.fi