Assignment Full Stack Web Developer – Infront

Task

Create a web solution that enables a user to maintain a stock portfolio. This portfolio tool should support at least:

1. Showing a list of stocks the portfolio contains, with the following columns:
   a. Symbol *(vwdKey in API)*
   b. Name *(name in API)*
   c. Current price *(price in API)*
   d. Number of shares
   e. Buy value
   f. Current value
   g. % yield *(the % growth between Buy value and Current value)*
2. Allow adding/removing a stock from the portfolio
3. Use a service to retrieve stock prices & names *(see examples at the end of document)*

Example

Symbol	Name	Price	#	Buy value	Current value	Yield	
ABN.NL	ABN AMRO BANK N.V.	10.86	10	108.6	132.7	+22.2%	[X]
INGA.NL	ING GROEP N.V.	11.27	10	112.7	99.8	-11.4%	[X]
Total				**221.3**	**232.5**	**+5.1%**	

Add stock	
Symbol	[_____]
Shares	[_____]
Buy price	[_____]
	[Execute]

Bonus points

- Ensure a persistence mechanism either with Local Storage or with a simple Backend/DB
- Maintain a single position when the same symbol is added multiple times, meaning not adding new rows for the same Symbol, but updating the share count and value fields
- Option to buy/sell a number of shares instead of just removing the whole position
- Support multiple accounts / portfolios
- Use your creativity and come up with your own feature for the portfolio app :-)

Price data service

For the price data, you can use a simple test data service, for which you can find a Swagger/OpenAPI end point at:

https://test.solutions.vwdservices.com/internal/intake-test/sample-data/swagger

List of common symbols

Symbol	Name
AALB.NL	Aalberts
ABN.NL	ABN AMRO Bank
ADYEN.NL	Adyen
AGN.NL	Aegon
AD.NL	Ahold Delhaize
AKZA.NL	Akzo Nobel
MT.NL	ArcelorMittal
ASML.NL	ASML
ASRNL.NL	ASR Nederland
DSM.NL	DSM
GLPG.NL	Galapagos
HEIA.NL	Heineken
IMCD.NL	IMCD
INGA.NL	ING
KPN.NL	KPN
NN.NL	NN Group
PHIA.NL	Philips Koninklijke
RAND.NL	Randstad
REN.NL	RELX
RDSA.NL	Royal Dutch Shell A
TKWY.NL	Takeaway.com
URW.NL	Unibail-Rodamco-Westfield
UNA.NL	Unilever
VPK.NL	Vopak
WKL.NL	Wolters Kluwer

Good luck!