Coding Exercise

Full stack

There're two parts

1.   Create a ASP.NET (or Core), Angular, Web Project (MVC/SPA) to display fields

Data source from API:

o   https://samplerspubcontent.blob.core.windows.net/public/properties.json

Display the records in a table/grid with following fields

o   Address
o   Year Built
o   List Price $ (formatted to two decimal places - e.g. $120,000.00)
o   Monthly Rent $ (formatted to two decimal places - e.g. $1,234.00)
o   Gross Yield % ('Monthly Rent' * 12 / 'List Price') - e.g. 12.55%

  property details

2.   Saving record from above into database table Properties
a.   Create a SQL Server database with a table named Properties to store all the fields displayed above **
b.   Update the above to support record saving
   o   Add a Save button to each row
   o   When the Save Button is clicked, the record should be inserted into the new table Properties

** Any technology can be used (ADO.NET, any ORM [Entity Framework | NHibernate | whatever])

I expect a zip file or a link to download the zip (such as github) for the solution. Please include any instruction to run the solution.

For Frontend Dev, #2 will be re-worded to "Saving record by calling an assumed existing API"

Front End-React.Js

In Word: Coding Exercise - ReactJS - 2018-10

Data source:

- https://samplerspubcontent.blob.core.windows.net/public/properties.json

Display the properties from the json file in a table/grid with following fields, user should be able to switch between table/grid views.

 Property List
- Property Image (mainImageUrl)
- Address (address)
- Year Built (physical.yearbuilt)
- List Price $ (formatted to two decimal places - e.g. $120,000.00) (financial.listPrice)
- Monthly Rent $ (formatted to two decimal places - e.g. $1,234.00) . (financial.monthlyRent)
- Gross Yield % ('Monthly Rent' * 12 / 'List Price') - e.g. 12.55% (calculated)

 Property details
 When a user click on a property card view or list view, navigate to property details route and display
- Address of property (address)
- Carousel that allows user to navigate between images (resources.photos)

Note-
For styling inspiration, refer to https://www.roofstock.com/investment-property-marketplace.

Application should be using React.js . You may use any styling solution to style the pages .

Include a zip file or a link to download the zip for the solution in the email and also include any instructions to run the solution.