

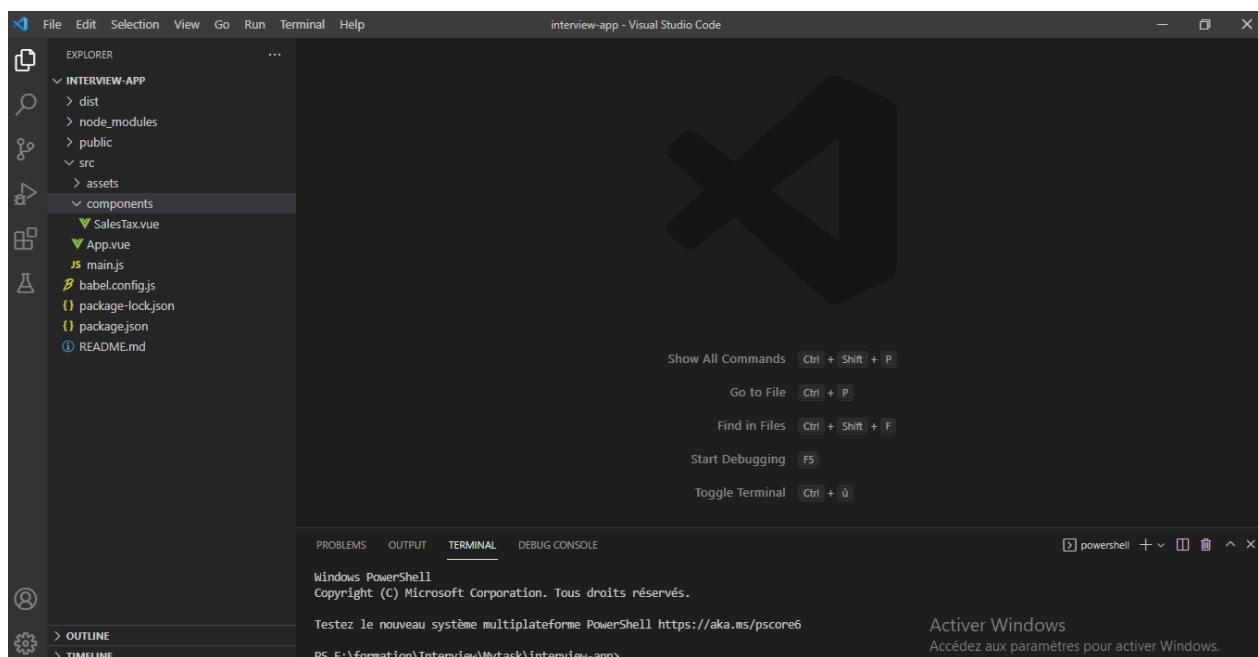
To see the result please do the following instructions:

- Go to the <https://github.com/tareksetti/tareksetti.github.io>
- Click on [tareksetti.github.io](https://github.com/tareksetti/tareksetti.github.io)
- Then the result will appear

To review the source code please do the following instructions:

- Go to the <https://github.com/tareksetti/MyInterview>
- Download the whole code.
- Open the visual studio and choose the folder path.
- Run npm install
- Run npm run serve

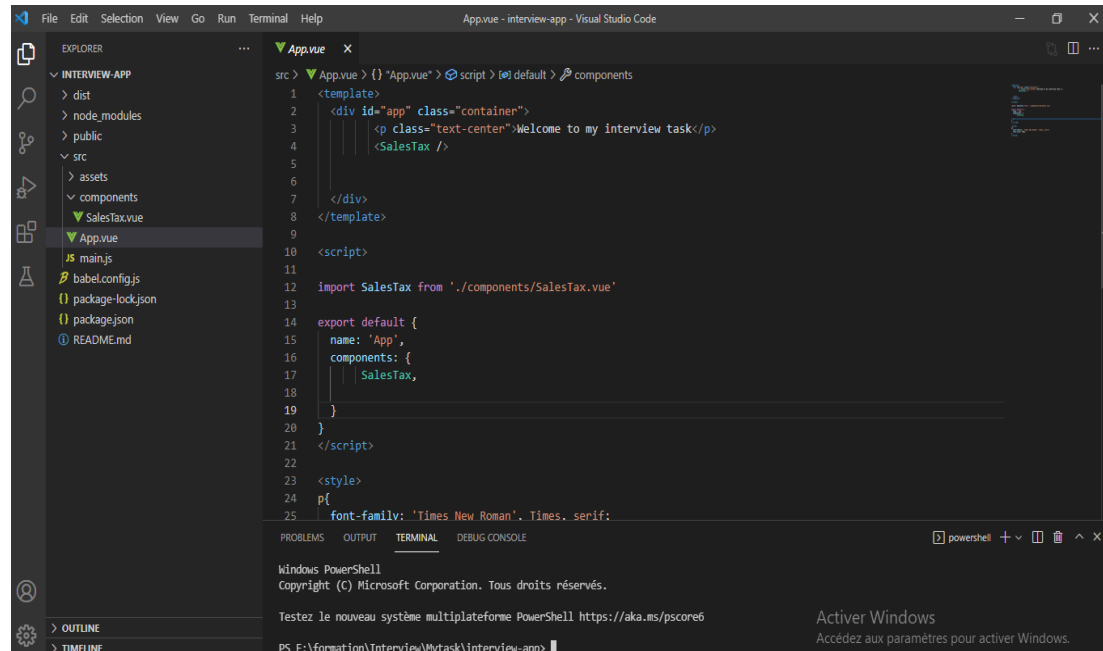
code explanation:



1)-Here we can see the general project hierarchy :

- dist Folder: This will be created just after building the code using “npm run build”.
- Node_module: it includes the node package manager, so any further installation will be affected in this folder eg Bootstrap library.

- Public folder: In general this folder pictures.
- Src folder: This is the most important folder for this project. Since it contains the code of this project. So we can see the component folder, the idea is to separate the layout from the App file, so here the idea is to write the code as a component, then it will be rendered in the App file.(see the next picture)



2)- SalesTax.vue file: the code is separated into 3 sections:

- Template: here we can create our html to present a good interface for the user.
- Script: This part will be the most important, through javascript we can type the functions that we will use to perform a good result.
- Styling: it is not really nice to present something without some design. So this part is related to CSS.
- Data: Since the number of the data is not so huge, so I decided to use them inside the file as a json object. Besides another empty object will be empty, this empty data will contain the result when we could show them as a result.

3)- functions explaining:

- PriceWithTax(): The objective is to calculate the price including the tax, we need to calculate this because we will use it to extract the gross price. First of all, we have to extract the tax value by multiplying the price item by the item tax divided by 100, but if

the item is imported we will add 5 to the tax of item and then we could multiply it by the item price and divide all by 100, finally we have to round the result to the nearest 0.05

- `PriceWithGross()`: As I mention that we will use the `Price withTax()` to extract the price Gross, Simply the Gross is the item price plus the price with tax
- `TotalNet()`: this will return the total (net) price of the selected items.
- `TotalTax()`: this will return the total of the tax for each selected items.
- `TotalGross()`: this will return the total of the gross price for each selected items.
- `SelectItem()`: this is an event, the goal is when to click on the select button on each row, then one item will be added to the table below. The basic idea is very easy, the event will receive an item as an parameter, and as we calculated before the price with tax and the price with the gross, and push them inside the `selecteditems` object since it is empty.