Instruction how to run application

Requirements:

- Operating System: Windows, macOS, or Linux.
- IDE: Visual Studio 2022.
- .NET SDK: .NET 8.
- Git: (Optional) If you want to clone the repository using Git.
- ASP.NET Core Web API: Included in the .NET SDK.
- NUnit: NUnit testing framework for unit tests.

To run the application, you can follow these steps:

1. Clone the Repository: Clone the GitHub repository to your local machine using the `git clone` command or download the repository as a ZIP file and extract it.
2. Open the Solution: Open Visual Studio and navigate to `File -> Open -> Project/Solution`. Select the `HHGlobalJobPricing.sln` file from the cloned repository and click `Open`.
3. Restore Packages: Once the solution is opened, right-click on the solution in the Solution Explorer and select `Restore NuGet Packages`. This will restore all the necessary packages for the project.
4. Set as Startup Project: Right-click on the `HHGlobalJobPricing.Api` project in the Solution Explorer and select `Set as Startup Project`.
5. Run the Application: Press `F5` or `Ctrl + F5` to build and run the application. This will start the ASP.NET Core Web API project.
6. Access Swagger UI: Once the application is running, open a web browser and navigate to `https://localhost:<port>/swagger`, where `<port>` is the port number specified in your `launchSettings.json` file. By default, urls are `https://localhost:7191`, `http://localhost:5288` .
7. Test the API: In the Swagger UI, you can test the API endpoints by clicking on them and then clicking the "Try it out" button. This will allow you to input data and see the responses.
8. Stop the Application: To stop the application, simply stop debugging in Visual Studio by clicking the `Stop` button in the toolbar.

To send a request to the HH Global Job Pricing API, you can use the following examples of request bodies. These examples correspond to the job scenarios provided earlier:

Job 1:

```
{
  "HasExtraMargin": true,
  "Items": [
    { "Name": "envelopes", "Cost": 520.00, "IsTaxExempt": false },
    { "Name": "letterhead", "Cost": 1983.37, "IsTaxExempt": true }
  ]
}
```

Job 2:

```
{
  "HasExtraMargin": false,
  "Items": [
    { "Name": "t-shirts", "Cost": 294.04, "IsTaxExempt": false }
  ]
}
```

Job 3:

```
{
  "HasExtraMargin": true,
  "Items": [
    { "Name": "frisbees", "Cost": 19385.38, "IsTaxExempt": true },
    { "Name": "yo-yos", "Cost": 1829.00, "IsTaxExempt": true }
  ]
}
```

Here are examples of responses from the HH Global Job Pricing API corresponding to the request examples provided earlier:

Response for Job 1:

```
{
  "items": [
    { "name": "envelopes", "cost": 556.40 },
    { "name": "letterhead", "cost": 1983.37 }
  ],
  "total": 2940.30
}
```

Response for Job 2:


```
{
  "items": [
    { "name": "t-shirts", "cost": 314.62 }
  ],
  "total": 346.96
}
```


Response for Job 3:


```
{
  "items": [
    { "name": "frisbees", "cost": 19385.38 },
    { "name": "yo-yos", "cost": 1829.00 }
  ],
  "total": 24608.68
}
```