**Task**

*Architecture:*

You will need to build a new solution on ASP.NET MVC Core or WEB API Core with separated projects. Every project should be responsible for its own task (models, database, etc.). For database, you should use “Entity Framework Code First” for MS SQL. Projects should have some design patterns (which to use is your decision).

*Authorization:*

For authorization use JWT. User should be able to register, login and reset password via email.

*Crawler:*

You will need to build the service which will download the web page of a store and parse the html code. The data to parse is a description of some product: Name, Price, Description, Images, etc. All parsed data should be saved in a database. Crawler should start his work only after a calling an action via API or UI. User puts a url of some product page and gets the product information. You can parse any store you like, just provide an example link to some product page where your app works with. Also, you need to provide an interface (or API) to see all crawled goods, but only for registered users. They can’t edit or delete the data, only see it.

*Bonus:*

If the main task is easy for you, you can also add to crawler functionality to identify the main webpage color and return it with the all other product information. For this purpose, you will need to parse also a css.

*Production:*

The completed solution you will need to upload to a webhosting. You can use any webhosting you like, f.e. [https://www.gearhost.com](https://www.gearhost.com/). After that, upload the source code to the [https://bitbucket.org](https://bitbucket.org/) and send us links.

*Version Requirements:*

C# 5+, .Net Core, Entity Framework 6+, MS SQL 2014+, Visual Studio 2013+