# Web Scrapping based RestFUL Technology and Telegram Botting

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Net.Http;
using HtmlAgilityPack;
using System.Text;
using System.Data.Odbc;
using System.Threading.Tasks;
using Telegram.Bot;
using System;
namespace CrawlerDemo
{
    class Program
    {
        static string token = "5174594951:AAFGOvaVW0F9rVZr8JwGgk4cLrBMQ4P55qk";
        static Telegram.Bot.TelegramBotClient bot = new TelegramBotClient(token);

        public static void Main()
        {


            int offset = 0;
            while (true)
            {
                Telegram.Bot.Types.Update[] updates = bot.GetUpdatesAsync(offset).Result;
                try
                {
                    foreach (var update in updates)
                    {
                        offset = update.Id + 1;
                        if (update.Message != null)
                        {
                            long id = update.Message.From.Id;
                            string txt = update.Message.Text;
                            string username = update.Message.From.Username;
                            string firstname = update.Message.From.FirstName;
                            string lastname = update.Message.From.LastName;
                            if (update.Message.Text == "/start")
                            {
                                bot.SendTextMessageAsync(id,           startCrawlerasync());
                                Console.WriteLine(txt);
                                Console.WriteLine(username);
                                Console.WriteLine(firstname);
                                Console.WriteLine(lastname);
                            }

                        }

                    }
                }
                catch { }
```

```csharp
            startCrawlerasync();

            Console.WriteLine("press any key ");
            Console.ReadLine();
        }
    }
    class Car
    {

        public string Model { get; set; }
        public string Price { get; set; }
        public string Link { get; set; }
        public string ImageUrl { get; set; }
    }
    public static async Task startCrawlerasync()
    {

        //the url of the page we want to test
        var url = "https://www.automobile.tn/fr/neuf/bmw/serie-1-5p";
        var httpClient = new HttpClient();
        var html = await httpClient.GetStringAsync(url);
        var htmlDocument = new HtmlDocument();
        htmlDocument.LoadHtml(html);

        // a list to add all the list of cars and the various prices
        var cars = new List<Car>();
        var divs =
        htmlDocument.DocumentNode.Descendants("div")
          .Where(node => node.GetAttributeValue("class", " ").Equals("container")).ToList();
        var Prices =
              htmlDocument.DocumentNode.Descendants("Price")
                .Where(node => node.GetAttributeValue("class", " ").Equals("container")).ToList();

        foreach (var div in divs)
        {

            var car = new Car
            {

              //  Model = div.Descendants("h2").FirstOrDefault().InnerText,
              Price = div.Descendants("div").FirstOrDefault().InnerText,
              //     Link =
div.Descendants("a").FirstOrDefault().ChildAttributes("href").FirstOrDefault().Value,
              //  ImageUrl =
div.Descendants("img").FirstOrDefault().ChildAttributes("src").FirstOrDefault().Value
            };

            cars.Add(car);

            Console.WriteLine("Successful.... " + car.Price);
            // Console.WriteLine("Successful.... " + car.Model);
            // Print original order

        }

    }

}
```

}

```
KOENIGSEGG GEMERA
UNE GT HYBRIDE DE 1700 CHEVAUX!
MERCEDES - BENZ AMG GT!
LAMBORGHINI HURACAN!
PORSCHE 918 SPYDER!
BMW M6 GRAN COUPE
BMW ZAGATO COUPÉF12BERLINETTA: LA FERRARI LA PLUS RAPIDE JAMAIS CONSTRUITE
BMW M6 2012
 560 CHEVAUX SOUS LE CAPOT!
NOUVELLE PORSCHE 911
LAMBORGHINI AVENTADOR: SURVITAMINÉÉ!
```

**Yasminmakkibot**
bot

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Type of cars:-
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