**Answers**

* Did you have time to complete the coding test? What would you add to your solution if you had more time?

I have time to complete the coding test. If i had more time, i would add sorting and filtering of restaurants by all parameters and possibility to hide products when it already shows.

* What was the most useful feature in your opinion that was added to C# 4? Please include a snippet of code that shows how you've used it.

In my opinion dynamic support was the most useful feature that was added to C# 4.

string url = string.Format("restaurants?q={0}", outcode);

dynamic result = await this.WebClient.Get<dynamic>(url);

List<Restaurant> restaurants = JsonConvert.DeserializeObject<List<Restaurant>>(result.Restaurants.ToString());

return restaurants.OrderByDescending(x => x.RatingStars).ToList();

* What's your favorite programming language? Why?

My favorite programing language is C#, because it has simple and intuitive syntax and support of many useful features. Also I think that C# is very powerful language, that gives a lot of opportunities to create great, powerful and user friendly applications.

* How would you track down a performance bottleneck in a .NET application? Have you ever had to do this?

I would use CLR Profiler or dotTrace to track down a performance bottleneck in a .NET application. I have not ever had to do this.

* How would you improve the Just Eat public API found here?: <http://www.just-eat.co.uk/> webservice/webservices.asmx

I think better will be create one more method like [getRestaurantData](http://www.just-eat.co.uk/webservice/webservices.asmx?op=getRestaurantData) that will be returns data use post code current restaurant. In that case we need to send only restaurantId.

* Please describe yourself using either XML or JSON.

{

FirstName: “Vladyslav”,

LastName: “Pyshnenko”,

Hair: “Blond”,

Height: “180”,

Eyes: “Blue”,

PersonalQualities: [“diligence”, ” discipline”, “punctuality”, “honesty”, “communicable”, “reliable”],

Hobbies: [“reading”, “coding”, “walking”, “weight sport”]

HomeLocation:

{

Country: “Ukraine”,

City: “Poltava”

},

CurrentLocation:

{

Country: “Urkraine”,

City: “Kiev”

},

}