ASP.NET Web API Tutorial

1. Add the ConnectionString of the Database in the “Web.Config”.

2. Add this code in the “/App\_Start/WebApiConfig.cs”:

using System.Net.Http;

using System.Net.Http.Headers;

And this in the “public static void Register(HttpConfiguration config)”:

config.Formatters.JsonFormatter.SupportedMediaTypes.Add(new MediaTypeHeaderValue("text/html"));

4. Run API

5. Add users (go to "RegisterBindingModel" to see the requirements) and open Postman, then do the following:

<https://localhost:44339/api/Account/Register>

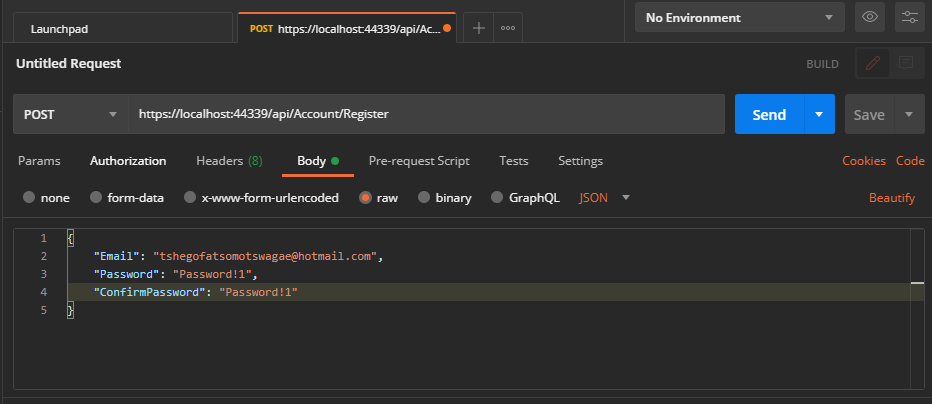
{

"Email": "",

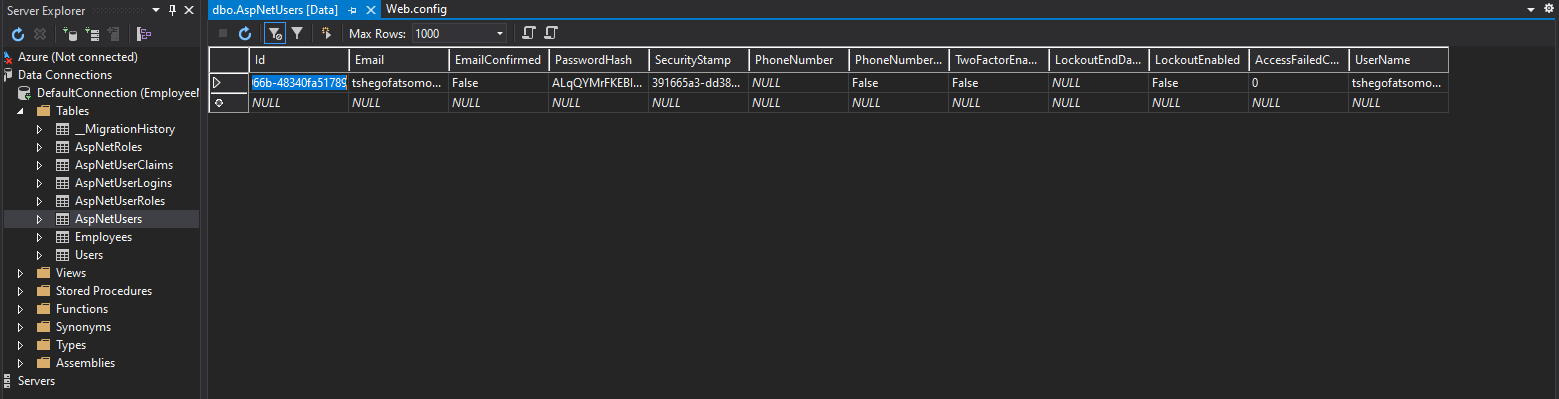
"Password": "",

"ConfirmPassword": ""

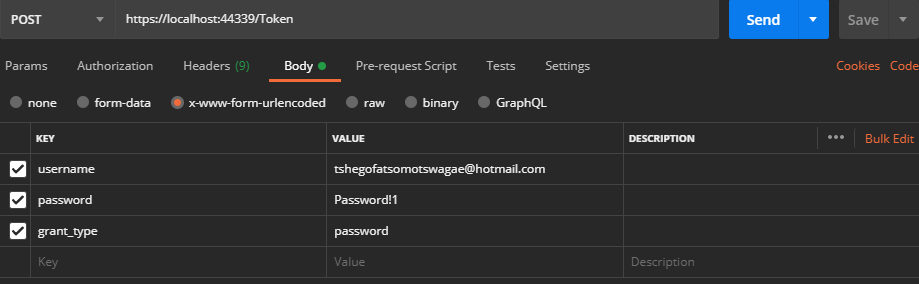
}

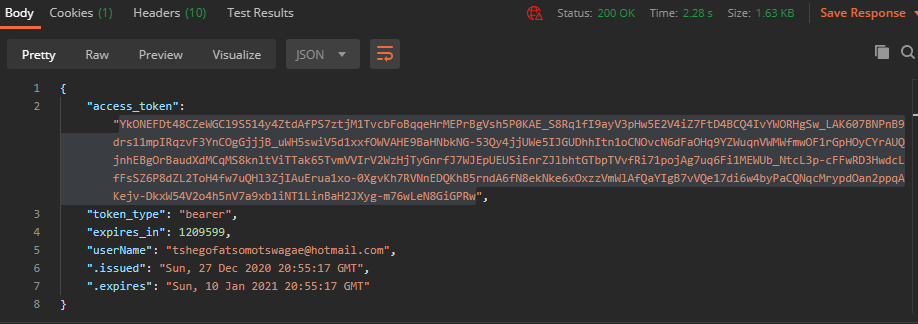


The following account would be created in the AspNetUser datable and along with the other datables as shown.

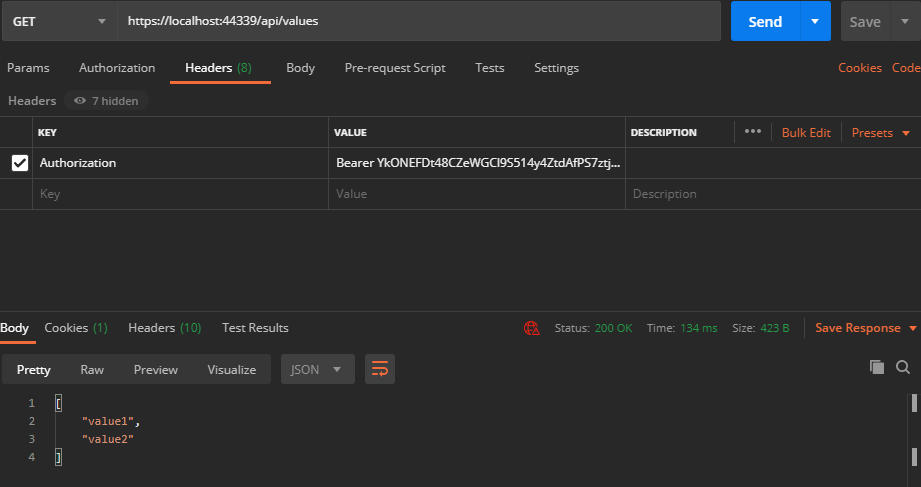


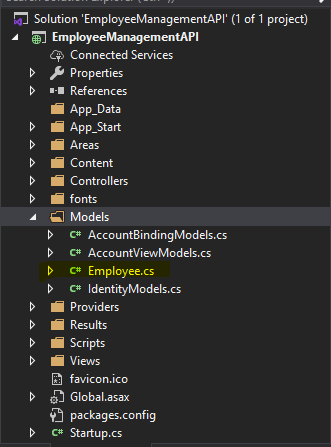
6. Run this POST HTTP request to get the access token (“grant\_type” value never changes).



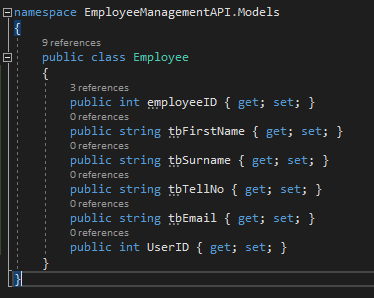


7. Run this HTTP request to test the access token.

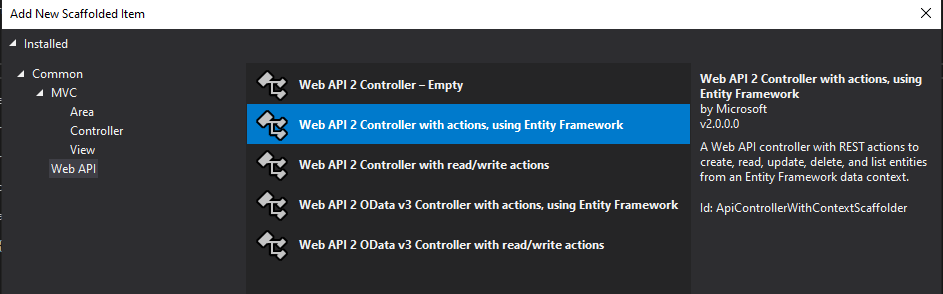


8. Add a new class in the “Models” folder.

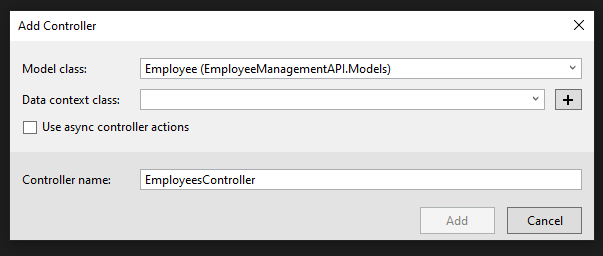
Add the following code, the build the solution.



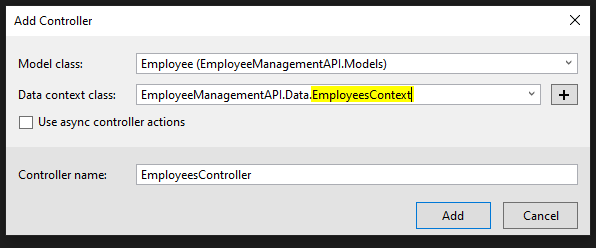
Add a new a controller (Web API 2 Controller with actions, using Entity Framework) in the “Controllers” folder.



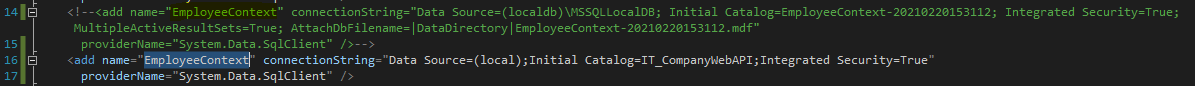
When this pop-up displays, choose the Employee model (which is the model that was just created) on “Model class:”.



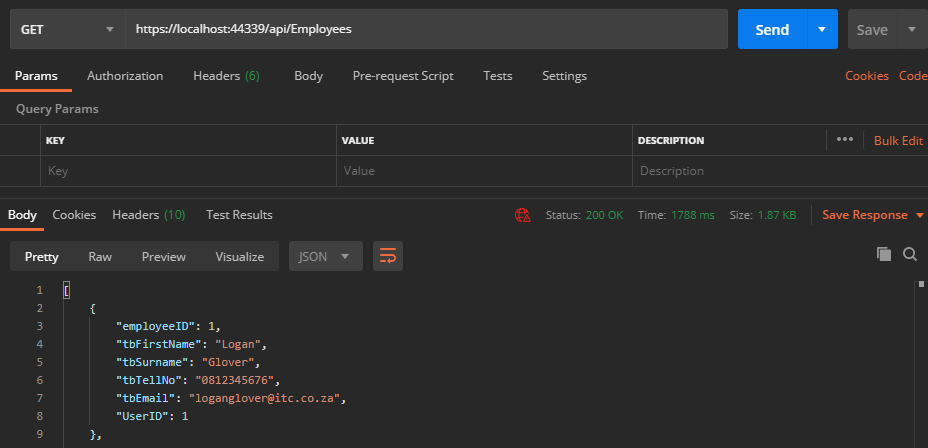
Then click on the plus sysmbol button to add a new “Data context class”, it will display another pop-up just rename it after the “EmployeeManagementAPI.Data.” to have a similar name to the model previously created. Then press add.



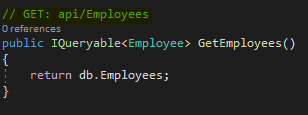
9. Testing the Employees Model API, but before doing so comment the connection string in the “Web.config” file to the following the connection name “EmployeeContext”. If its not already added, then add the connection string so it does not display the empty data.



Then run the following.



This URL “<https://localhost:44339/api/Employees>” can be found in the “\Controllers\EmployeesController.cs”.



10.