Task 4 Web API Documentation

API	Description
GET /api/talents	Returns list of all the talents
GET /api/talents/{id:int}	Returns talent by id

Get all talents

Helps to return list of talents in the repository.

URL	/api/talents
Method	GET

Success Response	Code: 200
	Content:
	{
	    "Id": 0,
	    "Name": "Barot Bellingham",
	    "ShortName": "Barot_Bellingham",
	    "Reknown": "Royal Academy of Painting and Sculpture",
	    "Bio": "Barot has just finished his final year at The Royal Academy of Painting and Sculpture, where he excelled in glass etching paintings and portraiture. Hailed as one of the most diverse artists of his generation, Barot is equally as skilled with watercolors as he is with oils, and is just as well-balanced in different subject areas. Barot's collection entitled \"The Un-Collection\" will adorn the walls of Gilbert Hall, depicting his range of skills and sensibilities - all of them, uniquely Barot, yet undeniably different"
	  },
	  {
	    "Id": 1,
	    "Name": "Jonathan G. Ferrar II",
	    "ShortName": "Jonathan_Ferrar",
	    "Reknown": "Artist to Watch in 2012",
	    "Bio": "The Artist to Watch in 2012 by the London Review, Johnathan has already sold one of the highest priced-commissions paid to an art student, ever on record. The piece, entitled Gratitude Resort, a work in oil and mixed media, was sold for $750,000 and Jonathan donated all the proceeds to Art for Peace, an organization that provides college art scholarships for creative children in developing nations"
	  },
	  {
	    "Id": 2,
	    "Name": "Hillary Hewitt Goldwynn-Post",
	    "ShortName": "Hillary_Goldwynn",
	    "Reknown": "New York University",
	    "Bio": "Hillary is a sophomore art sculpture student at New York University, and has already won all the major international prizes for new sculptors, including the Divinity Circle, the International Sculptor's Medal, and the Academy of Paris Award. Hillary's CAC exhibit features 25 abstract watercolor paintings that contain only water images including waves, deep sea, and river."
	  },
	  {
	    "Id": 3,
	    "Name": "Hassum Harrod",

	"ShortName": "Hassum_Harrod",
	     "Reknown": "Art College in New Dehli",
	     "Bio": "The Art College in New Dehli has sponsored Hassum on scholarship for his entire undergraduate career at the university, seeing great promise in his contemporary paintings of landscapes - that use equal parts muted and vibrant tones, and are almost a contradiction in art. Hassum will be speaking on \"The use and absence of color in modern art\" during Thursday's agenda."
	    }

Sample Call	

```
var urlForJson = "/api/talents";

//get data from Restful web Service in development environment
//var urlForJson = "http://localhost:9000/api/talents";

//get data from Restful web Service in production environment
//var urlForJson= "http://csc123.azurewebsites.net/api/talents";

//Url for the Cloud image hosting
//var urlForCloudImage = "http://res.cloudinary.com/doh5kivfn/image/upload/v1460006156/talents/";
var urlForCloudImage = "https://res.cloudinary.com/kzdxhc/image/upload/v1609682935/images/";

var searchField = $('#search').val();
var myExp = new RegExp(searchField, "i");
$.getJSON(urlForJson, function (data) {
    var output = '<ul class="searchresults">';
    $.each(data, function (key, val) {
        //for debug
        console.log(data);
        if ((val.Name.search(myExp) != -1) ||
        (val.Bio.search(myExp) != -1)) {
            output += '<li>';
            output += '<h2>' + val.Name + '</h2>';
            //get the absolute path for local image
            //output += '<img src="images/'+ val.ShortName +'_tn.jpg" alt="'+ val.Name +'" />';

            //get the image from cloud hosting
            output += '<img src=' + urlForCloudImage + val.ShortName + "_tn.jpg alt=" + val.Name + '" />';
            output += '<p>' + val.Bio + '</p>';
            output += '</li>';
        }
    });
    output += '</ul>';
    $('#update').html(output);
}); //get JSON
```

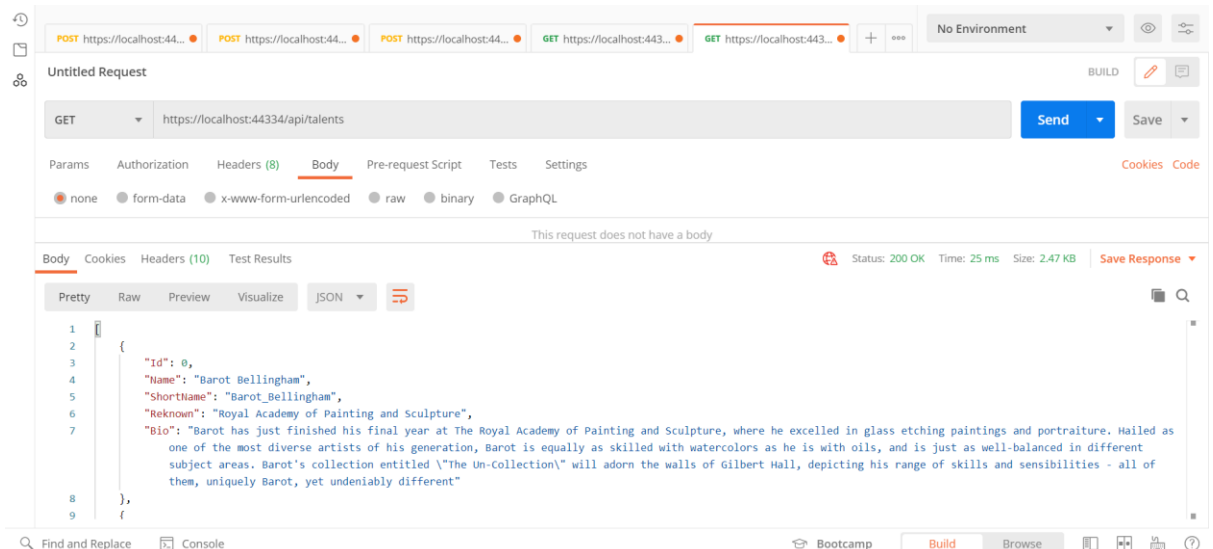# Get talent by ID

Helps to return a specific talent by their ID.

URL	/api/talents/{id:int}
Method	GET

Success Response	Code: 200
	Content:
	{
	   "Id": 0,
	   "Name": "Barot Bellingham",
	   "ShortName": "Barot_Bellingham",
	   "Reknown": "Royal Academy of Painting and Sculpture",
	   "Bio": "Barot has just finished his final year at The Royal Academy of Painting and Sculpture, where he excelled in glass etching paintings and portraiture. Hailed as one of the most diverse artists of his generation, Barot is equally as skilled with watercolors as he is with oils, and is just as well-balanced in different subject areas. Barot's collection entitled \"The Un-Collection\" will adorn the walls of Gilbert Hall, depicting his range of skills and sensibilities - all of them, uniquely Barot, yet undeniably different"
	}

Error Response	Code: 404 (When id is entered as a letter)
	Content:
	{
	   "Message": "No HTTP resource was found that matches the request URI 'http://localhost:55108/api/talents/a'.",
	   "MessageDetail": "No action was found on the controller 'Talents' that matches the request."
	}

Task 4 Postman Testing Results

Get All Talents (https://localhost:44334/api/talents)

1. Get all talents successful
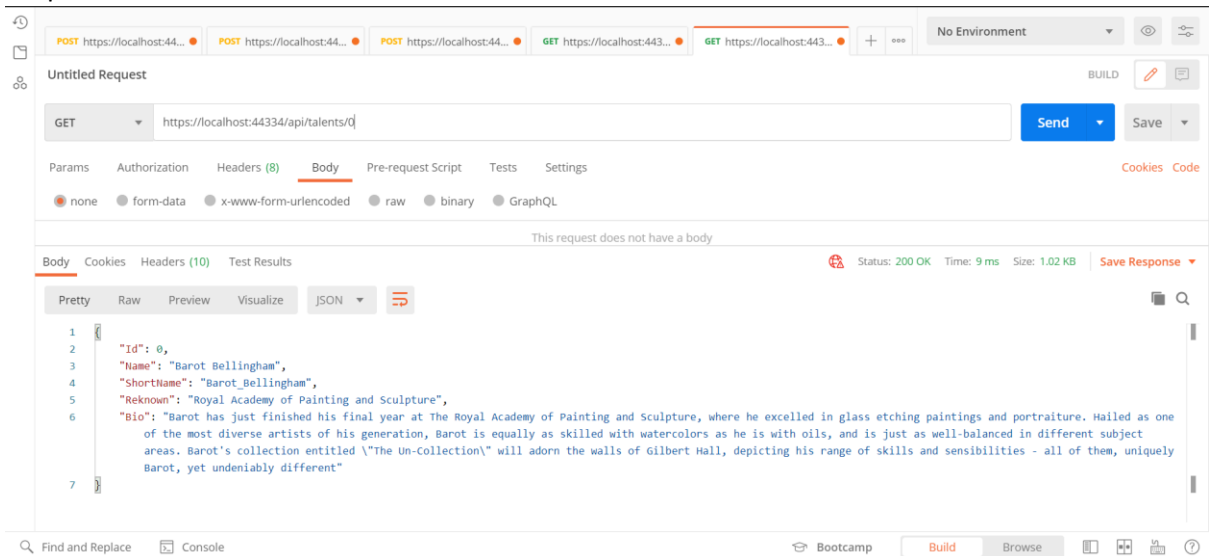
Response: 200 OK

Get Talent By Id (https://localhost:44334/api/talents/{id:int})

1. Get Talent by Id successful

Response: 200 OK

2. Get Talent By Id Failed due to id being a letter not integer
   Response: 404 Not found