Wong Wei Han (P1727977)

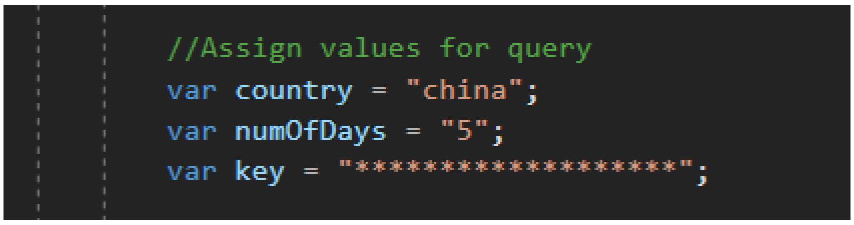
CSC Assignment 1 Documentation

Task 1

Browser (aspx)

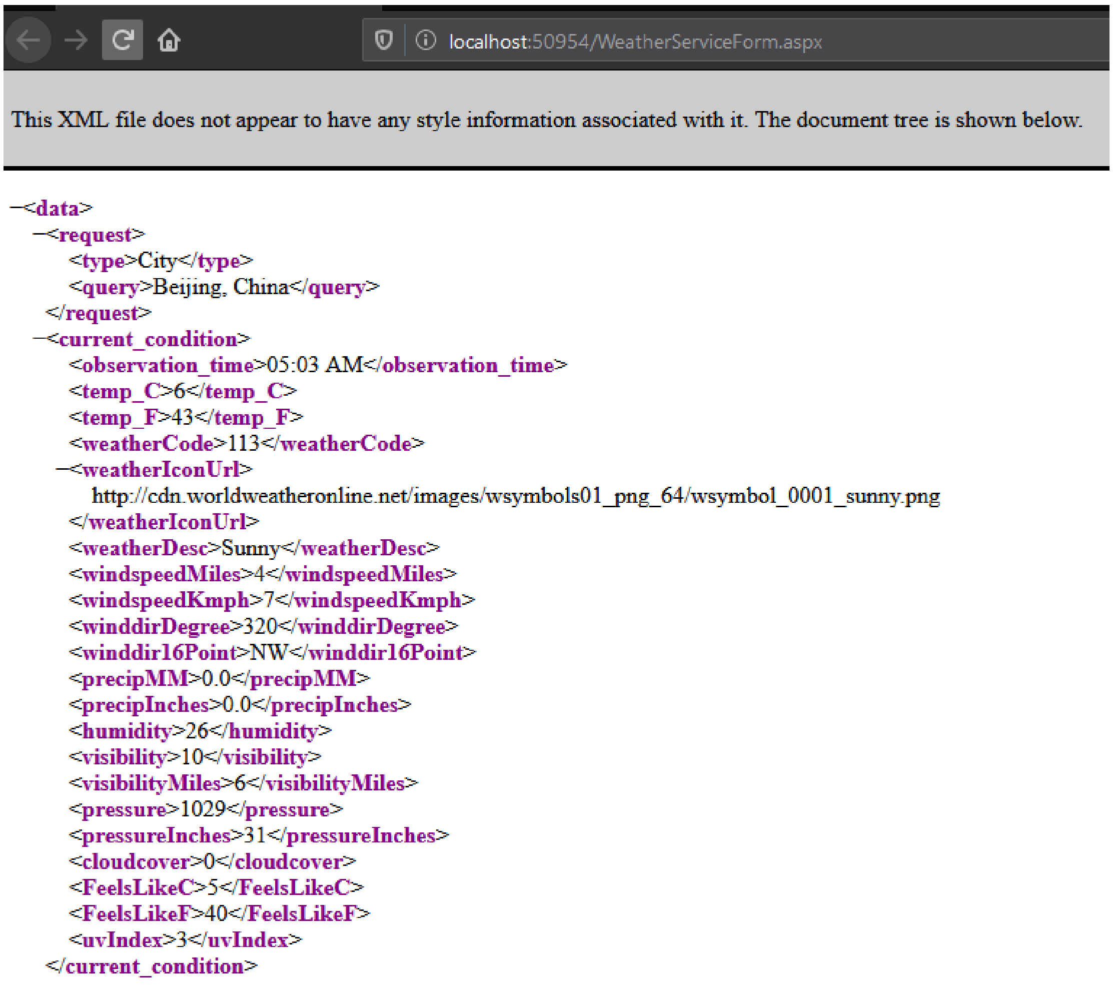
Located in WeatherService Folder

Assign the country, number of days and insert your key in WeatherServiceForm.aspx.cs from https://www.worldweatheronline.com/developer/ .



```
//Assign values for query
var country = "china";
var numOfDays = "5";
var key = "*******************";
```

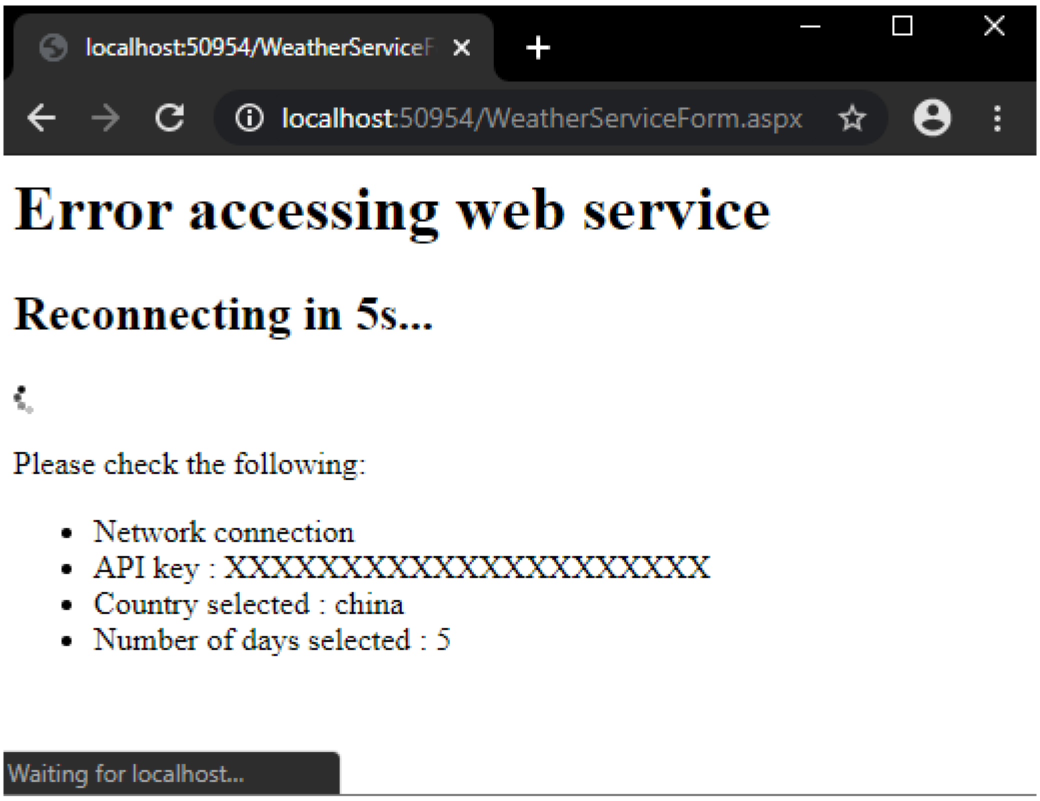
Debug run the application and you will see the following page on load.



This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
–<data>
  –<request>
      <type>City</type>
      <query>Beijing, China</query>
   </request>
  –<current_condition>
      <observation_time>05:03 AM</observation_time>
      <temp_C>6</temp_C>
      <temp_F>43</temp_F>
      <weatherCode>113</weatherCode>
    –<weatherIconUrl>
        http://cdn.worldweatheronline.net/images/wsymbols01_png_64/wsymbol_0001_sunny.png
      </weatherIconUrl>
      <weatherDesc>Sunny</weatherDesc>
      <windspeedMiles>4</windspeedMiles>
      <windspeedKmph>7</windspeedKmph>
      <winddirDegree>320</winddirDegree>
      <winddir16Point>NW</winddir16Point>
      <precipMM>0.0</precipMM>
      <precipInches>0.0</precipInches>
      <humidity>26</humidity>
      <visibility>10</visibility>
      <visibilityMiles>6</visibilityMiles>
      <pressure>1029</pressure>
      <pressureInches>31</pressureInches>
      <cloudcover>0</cloudcover>
      <FeelsLikeC>5</FeelsLikeC>
      <FeelsLikeF>40</FeelsLikeF>
      <uvIndex>3</uvIndex>
   </current_condition>
```

In the case of error, the web service will ask u to verify your API key as well as your condition inputs.


localhost:50954/WeatherServiceF
localhost:50954/WeatherServiceForm.aspx

Error accessing web service

Reconnecting in 5s...

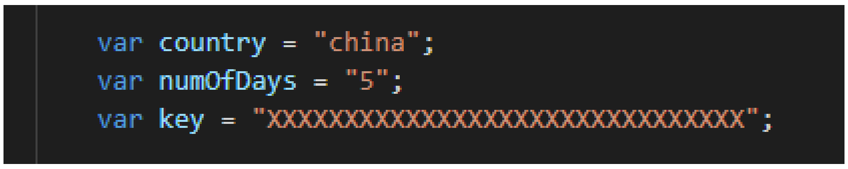
Please check the following:

- Network connection
- API key : XXXXXXXXXXXXXXXXXXXXXX
- Country selected : china
- Number of days selected : 5

Browser (JQuery)

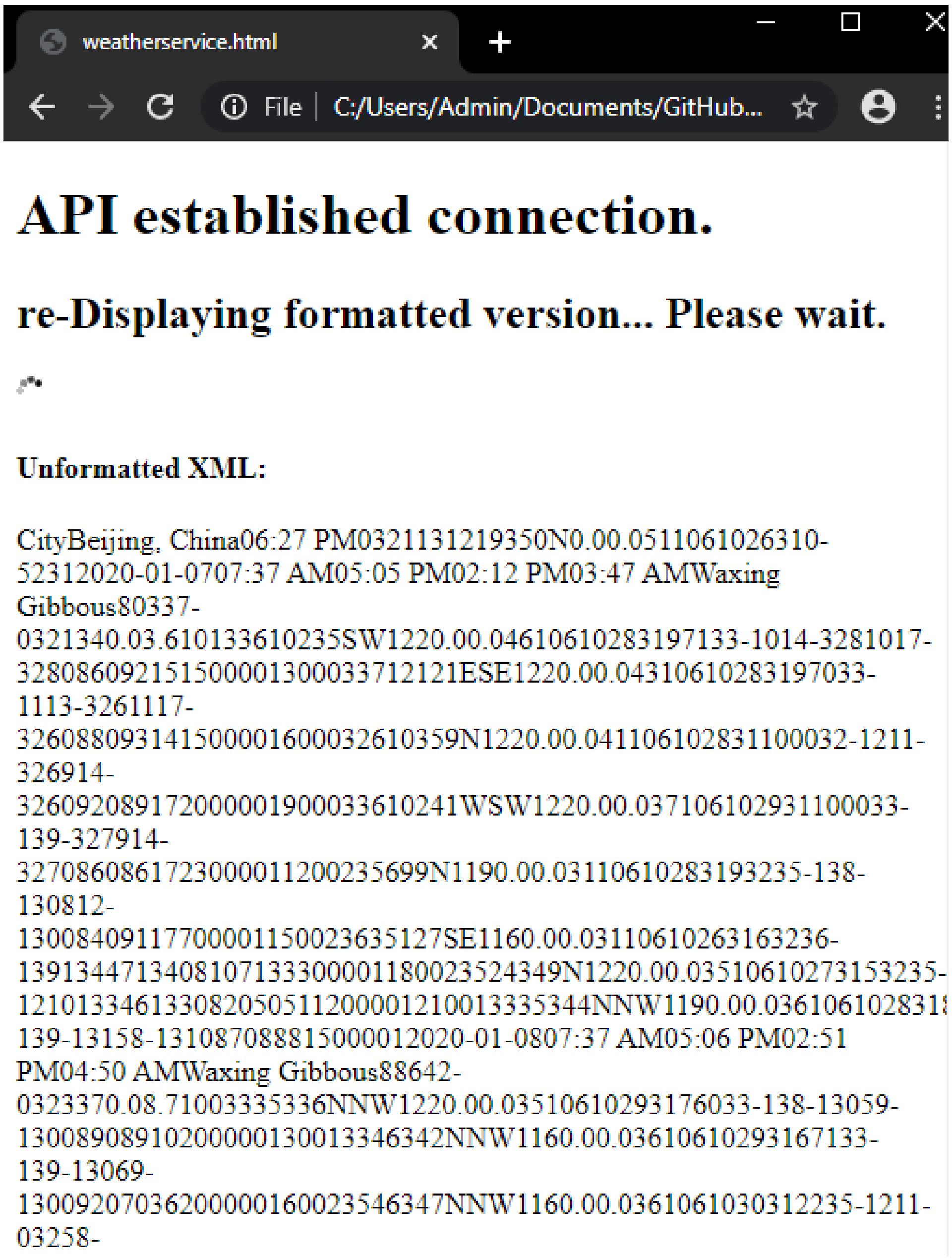
Located in WeatherService_js Folder

Assign the country, number of days and insert your key in script.js from https://www.worldweatheronline.com/developer/ .



```
var country = "china";
var numOfDays = "5";
var key = "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX";
```

Debug run the application and you will see the following page on API successful connection.



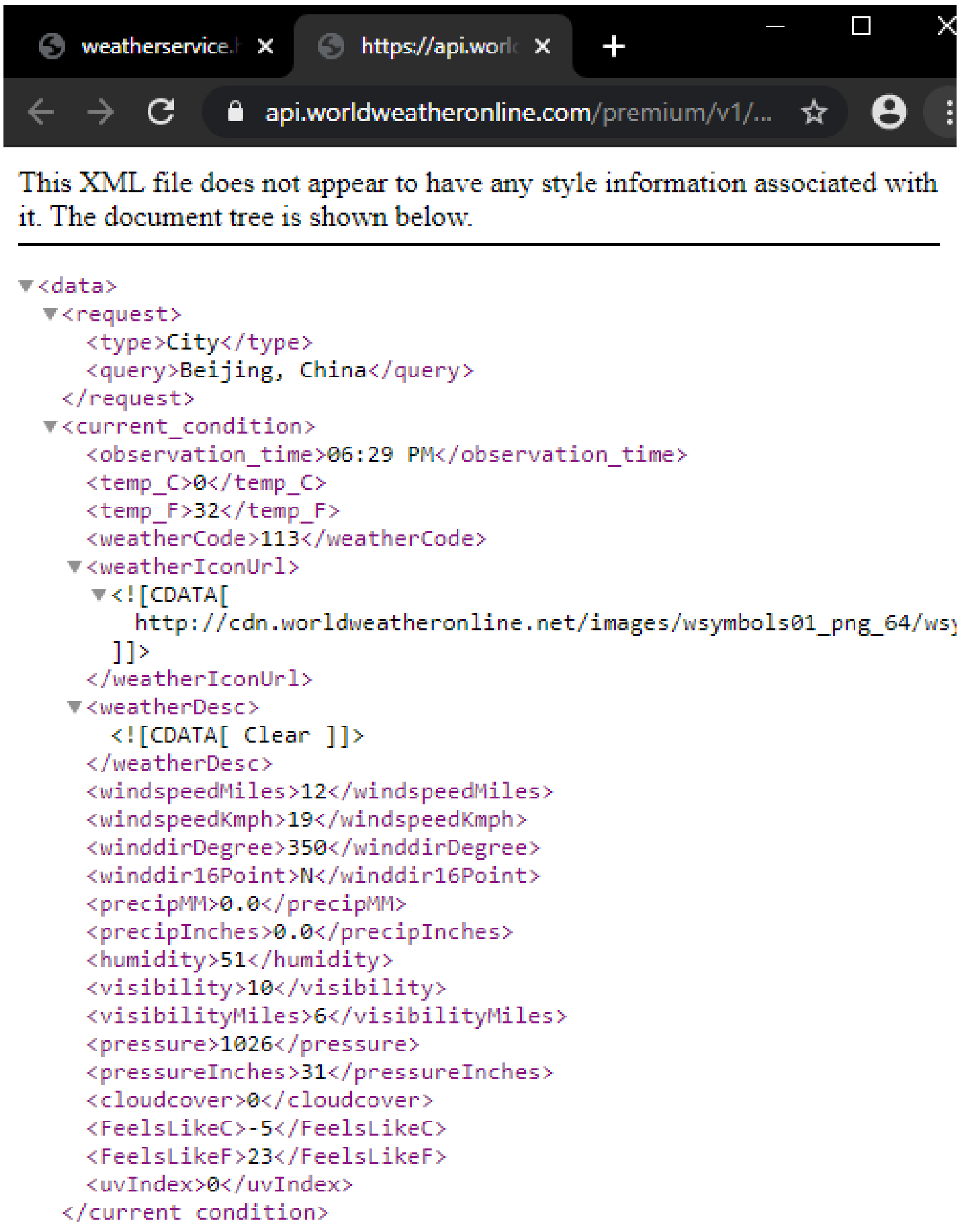
API established connection.

re-Displaying formatted version... Please wait.

Unformatted XML:

```
CityBeijing, China06:27 PM0321131219350N0.00.0511061026310-
52312020-01-0707:37 AM05:05 PM02:12 PM03:47 AMWaxing
Gibbous80337-
0321340.03.610133610235SW1220.00.04610610283197133-1014-3281017-
328086092151500001300033712121ESE1220.00.04310610283197033-
1113-3261117-
326088093141500001600032610359N1220.00.041106102831100032-1211-
326914-
326092089172000001900033610241WSW1220.00.037106102931100033-
139-327914-
3270860861723000011200235699N1190.00.03110610283193235-138-
130812-
13008409117700001150023635127SE1160.00.03110610263163236-
1391344713408107133300001180023524349N1220.00.03510610273153235-
121013346133082050511200001210013335344NNW1190.00.036106102831
139-13158-131087088815000012020-01-0807:37 AM05:06 PM02:51
PM04:50 AMWaxing Gibbous88642-
0323370.08.71003335336NNW1220.00.03510610293176033-138-13059-
13008908910200000130013346342NNW1160.00.03610610293167133-
139-13069-
13009207036200000160023546347NNW1160.00.0361061030312235-1211-
03258-
```

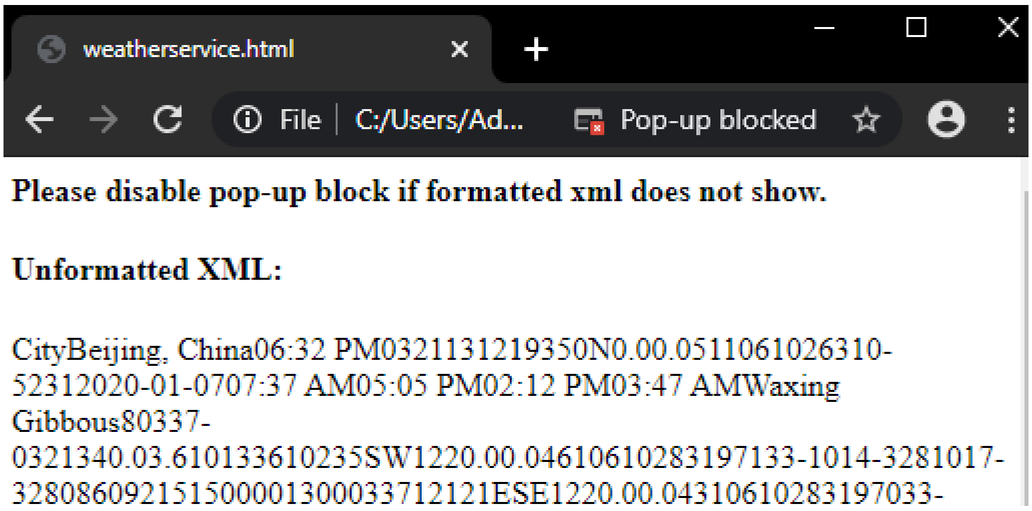
A formatted XML will be pop up in a new window. (Direct XML file from world weather)



This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<data>
  ▼<request>
     <type>City</type>
     <query>Beijing, China</query>
   </request>
  ▼<current_condition>
     <observation_time>06:29 PM</observation_time>
     <temp_C>0</temp_C>
     <temp_F>32</temp_F>
     <weatherCode>113</weatherCode>
    ▼<weatherIconUrl>
      ▼<![CDATA[
          http://cdn.worldweatheronline.net/images/wsymbols01_png_64/wsy
       ]]>
     </weatherIconUrl>
    ▼<weatherDesc>
       <![CDATA[ Clear ]]>
     </weatherDesc>
     <windspeedMiles>12</windspeedMiles>
     <windspeedKmph>19</windspeedKmph>
     <winddirDegree>350</winddirDegree>
     <winddir16Point>N</winddir16Point>
     <precipMM>0.0</precipMM>
     <precipInches>0.0</precipInches>
     <humidity>51</humidity>
     <visibility>10</visibility>
     <visibilityMiles>6</visibilityMiles>
     <pressure>1026</pressure>
     <pressureInches>31</pressureInches>
     <cloudcover>0</cloudcover>
     <FeelsLikeC>-5</FeelsLikeC>
     <FeelsLikeF>23</FeelsLikeF>
     <uvIndex>0</uvIndex>
   </current_condition>
```

In the case of formatted XML not popping up, enable or allow pop-up window.

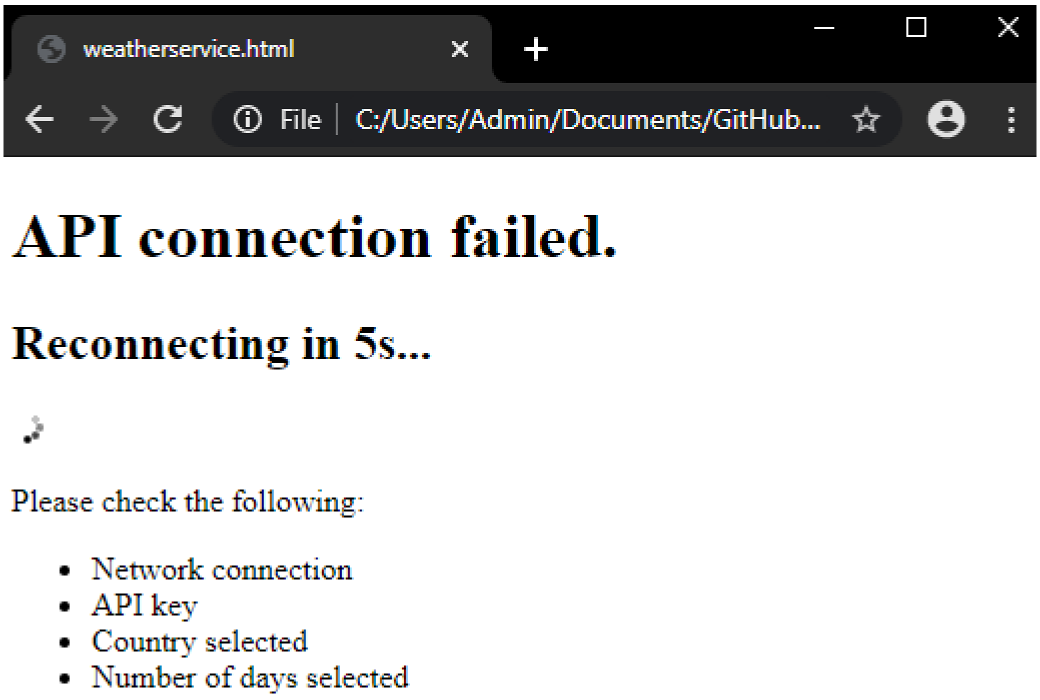


Please disable pop-up block if formatted xml does not show.

Unformatted XML:

```
CityBeijing, China06:32 PM0321131219350N0.00.0511061026310-
52312020-01-0707:37 AM05:05 PM02:12 PM03:47 AMWaxing
Gibbous80337-
0321340.03.610133610235SW1220.00.0461061028319713 3-1014-3281017-
32808609215150000130003371212 1ESE1220.00.043106102831970 33-
```

In the case of error, client will reconnect and prompt to check common user input mistakes.



API connection failed.

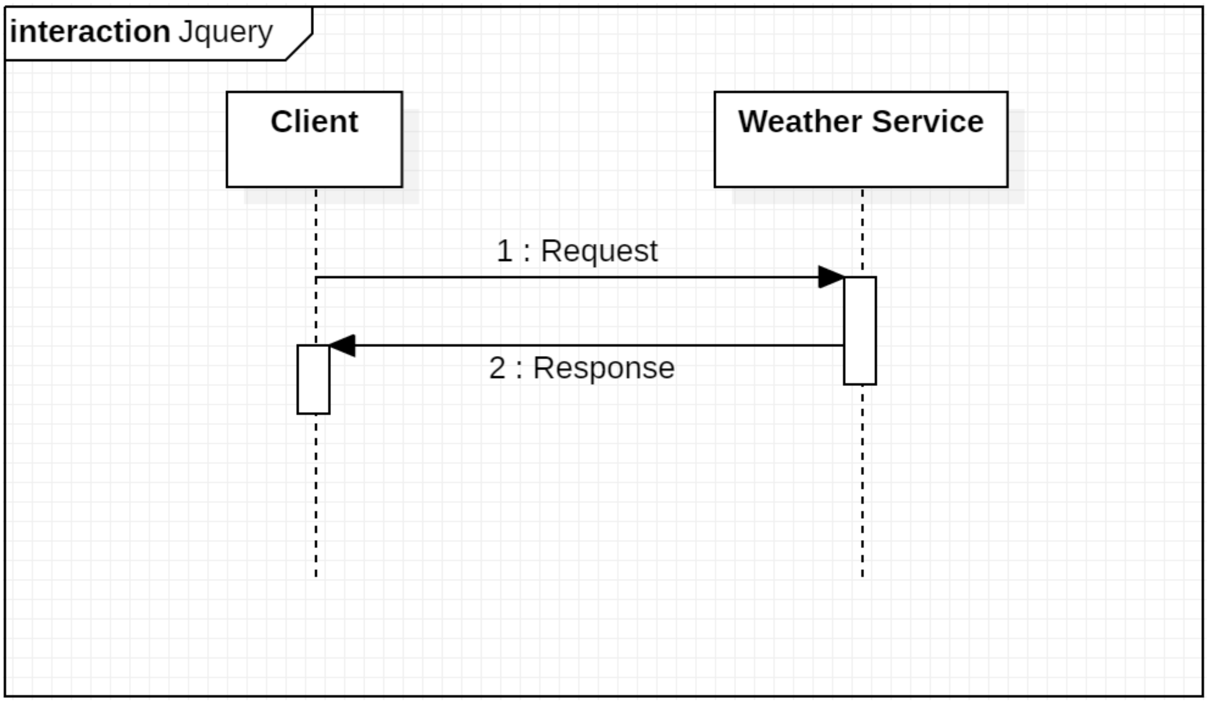
Reconnecting in 5s...

Please check the following:

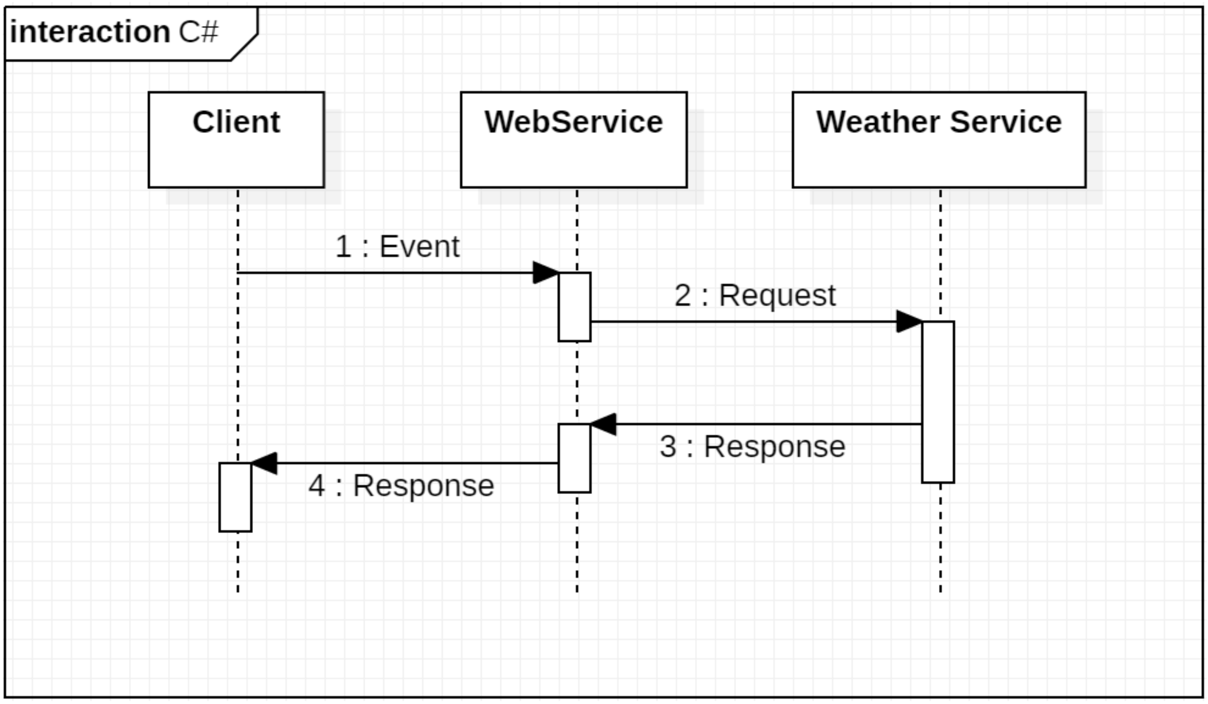
- Network connection
- API key
- Country selected
- Number of days selected

Sequence Diagrams

Jquery:



aspx:

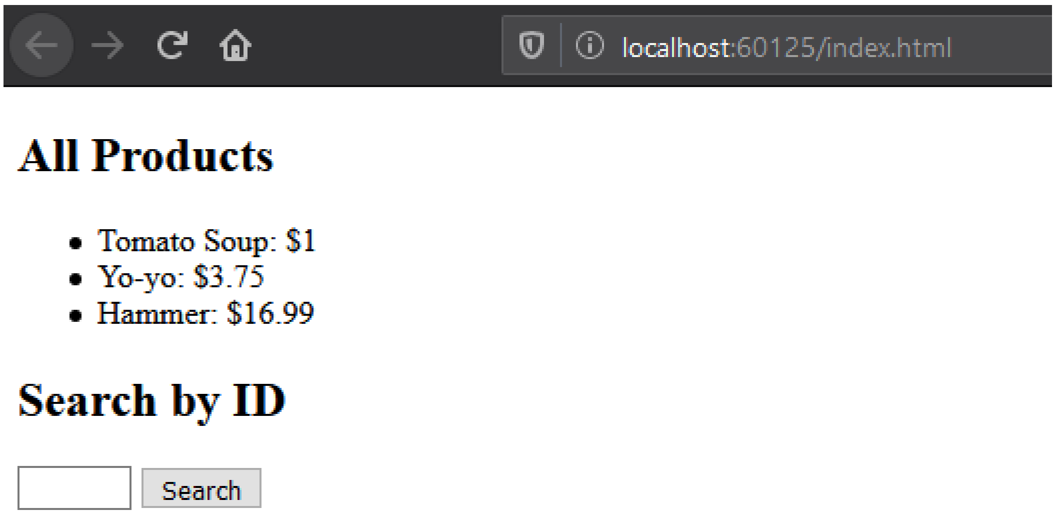


Task 2

Browser

Debug run the application and you will see the following page on load.

(*There will be a simulated loading*)



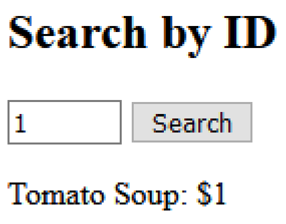
localhost:60125/index.html

All Products

- Tomato Soup: $1
- Yo-yo: $3.75
- Hammer: $16.99

Search by ID

Enter a number between 1 to 3 (ID for the products).

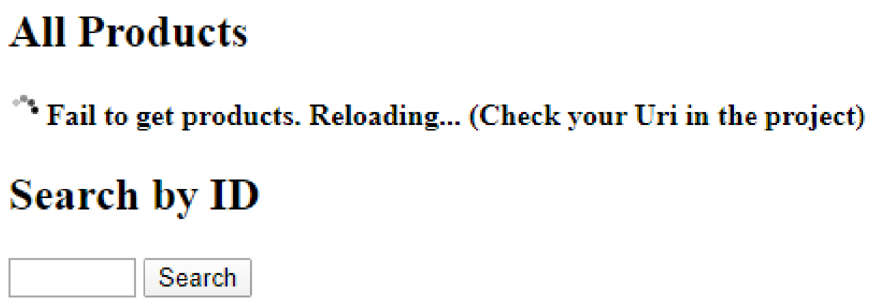


Search by ID

1

Tomato Soup: $1

In the case of error, client will reconnect and prompt to check.



All Products

Fail to get products. Reloading... (Check your Uri in the project)

Search by ID

Postman

Localhost:

http://localhost:60125/

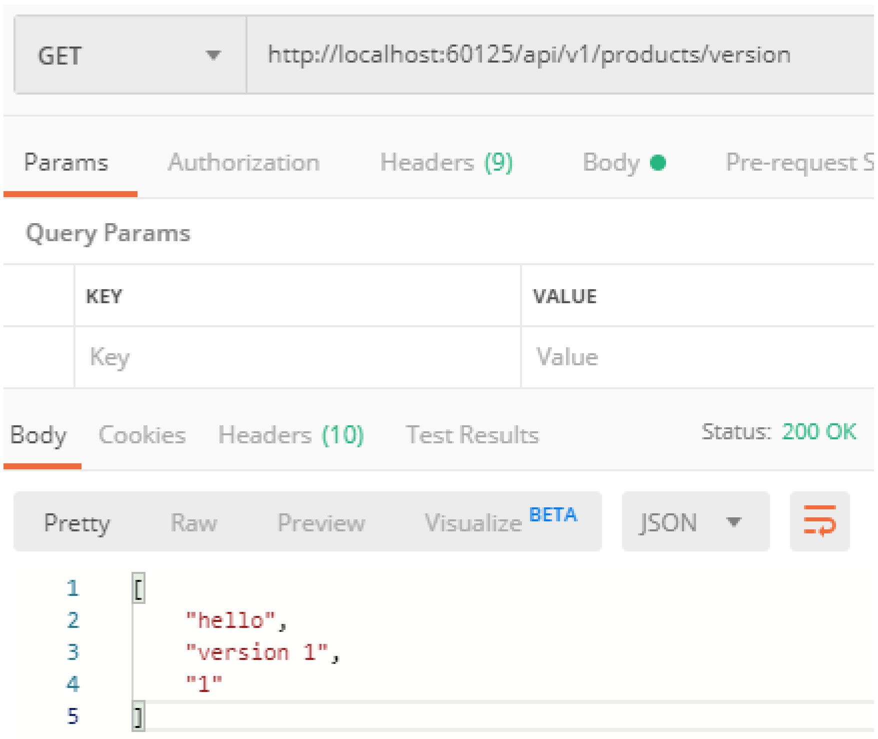
APIs:

Version	Type	API Route
V1	GET	api/v1/products/version
V1	GET	api/v1/products/message?name1=<**name**>&name2=<**name**>&name3=<**name**>
V1	GET	api/v1/products
V1	GET	api/v1/products/{**id**}
V2	GET	api/v2/products
V2	GET	api/v2/products/{**id**}
V2	GET	api/v2/products?Category=<**category**>
V2	POST	api/v2/products
V2	PUT	api/v2/products/{**id**}
V2	DELETE	api/v2/products/{**id**}
V3	GET	api/v3/products
V3	GET	api/v3/products/{**id**}
V3	GET	api/v3/products?Category=<**category**>
V3	POST	api/v3/products
V3	PUT	api/v3/products/{**id**}
V3	DELETE	api/v3/products/{**id**}

GET: api/v1/products/version

Link: http://localhost:25157/api/v1/products/version

Get API version.



http://localhost:60125/api/v1/products/version

KEY	VALUE
Key	Value

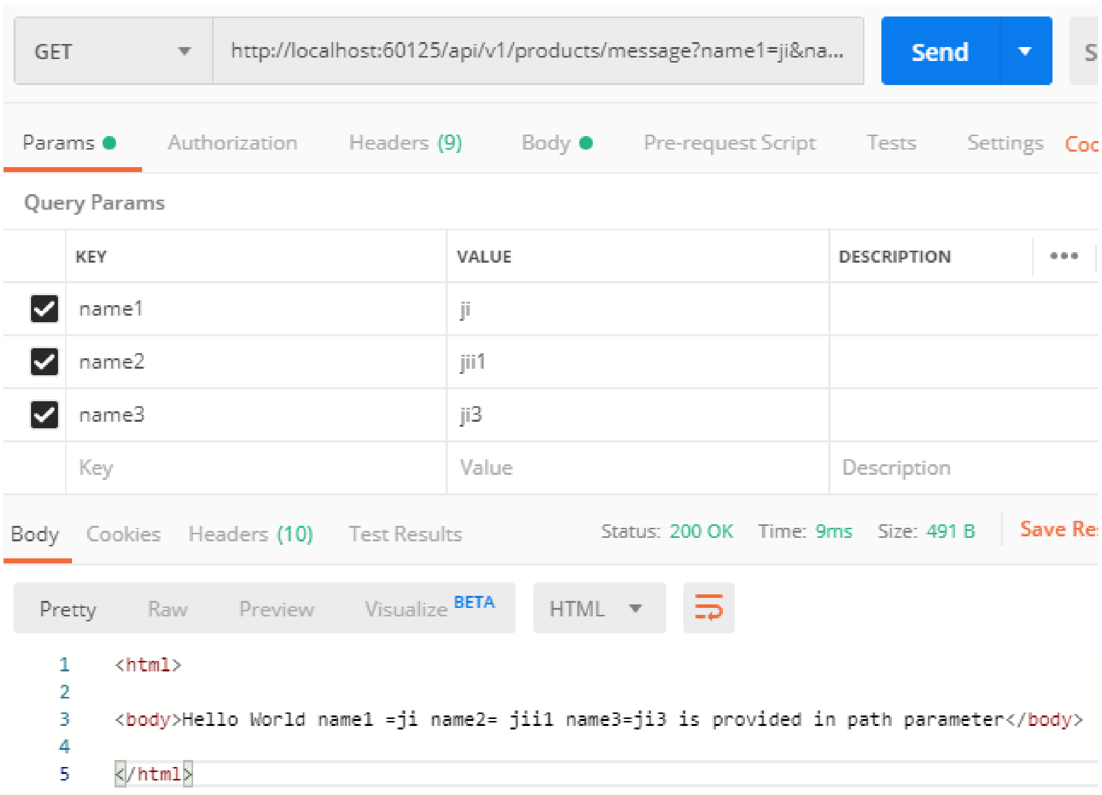
Status: 200 OK

```
[
    "hello",
    "version 1",
    "1"
]
```

GET: api/v1/products/message?name1=<**name**>&name2=<**name**>&name3=<**name**>

Link: http://localhost:60125/api/v1/products/message/name1=ji&name2=jii1&name3=ji3

Get method with user defined parameters.



http://localhost:60125/api/v1/products/message?name1=ji&na...

	KEY	VALUE	DESCRIPTION
✓	name1	ji	
✓	name2	jii1	
✓	name3	ji3	
	Key	Value	Description

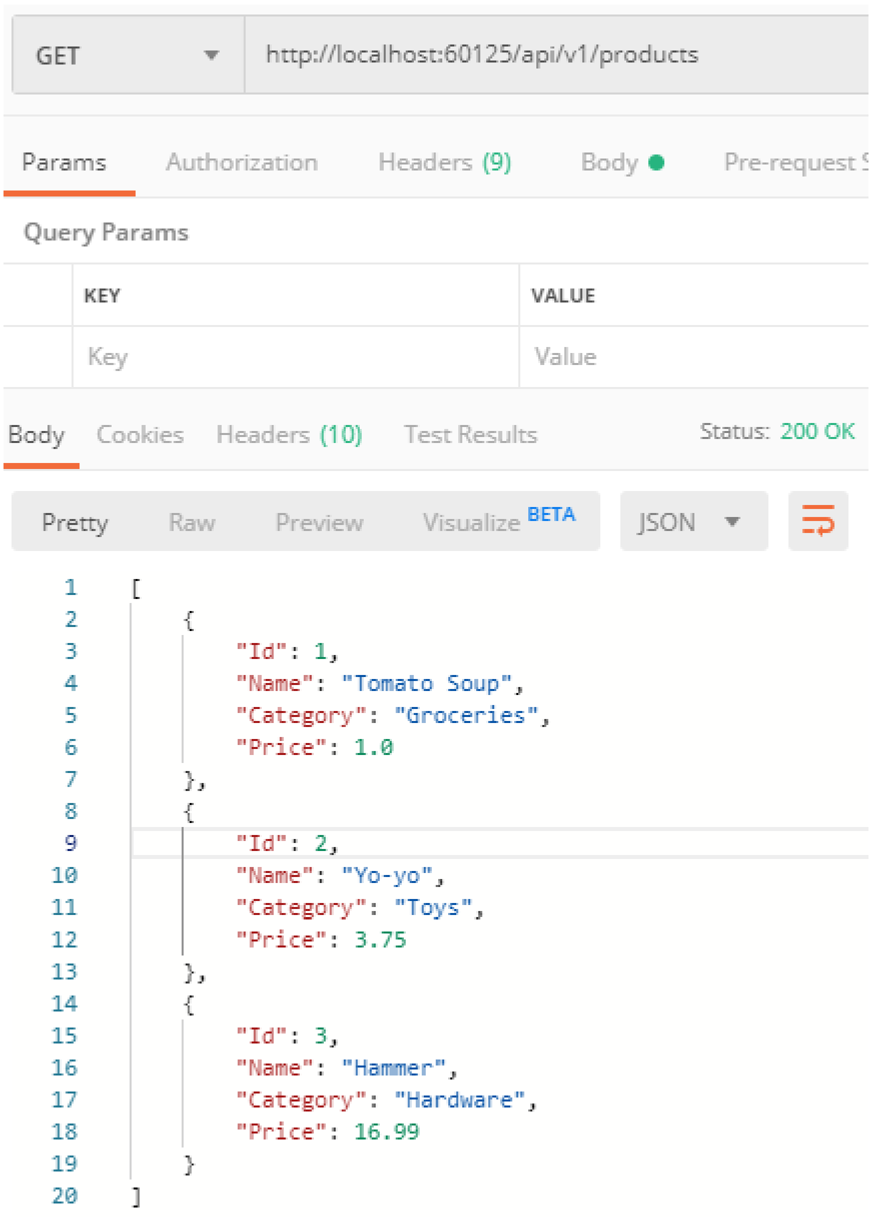
Body Cookies Headers (10) Test Results   Status: 200 OK   Time: 9ms   Size: 491 B

```
<html>

<body>Hello World name1 =ji name2= jii1 name3=ji3 is provided in path parameter</body>

</html>
```

GET: api/v1/products

Link: http://localhost:60125/api/v1/products

Get all products.

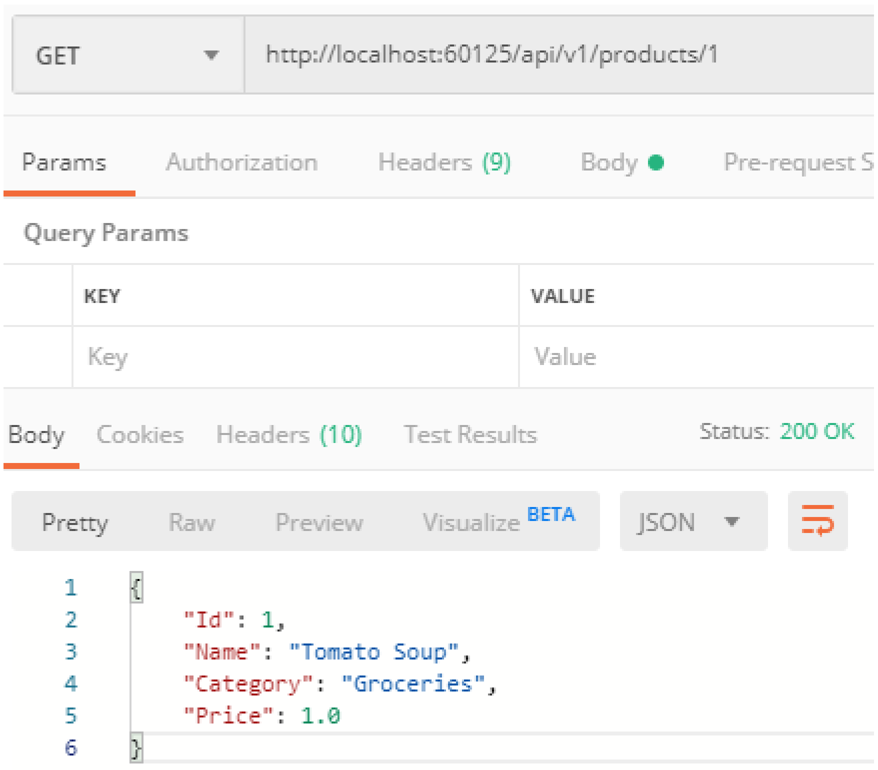


```
[
    {
        "Id": 1,
        "Name": "Tomato Soup",
        "Category": "Groceries",
        "Price": 1.0
    },
    {
        "Id": 2,
        "Name": "Yo-yo",
        "Category": "Toys",
        "Price": 3.75
    },
    {
        "Id": 3,
        "Name": "Hammer",
        "Category": "Hardware",
        "Price": 16.99
    }
]
```

GET: api/v1/products/{**id**}

Link: http://localhost:60125/api/v1/products/1

Get product based on id. (Available Id between 1 to 3)

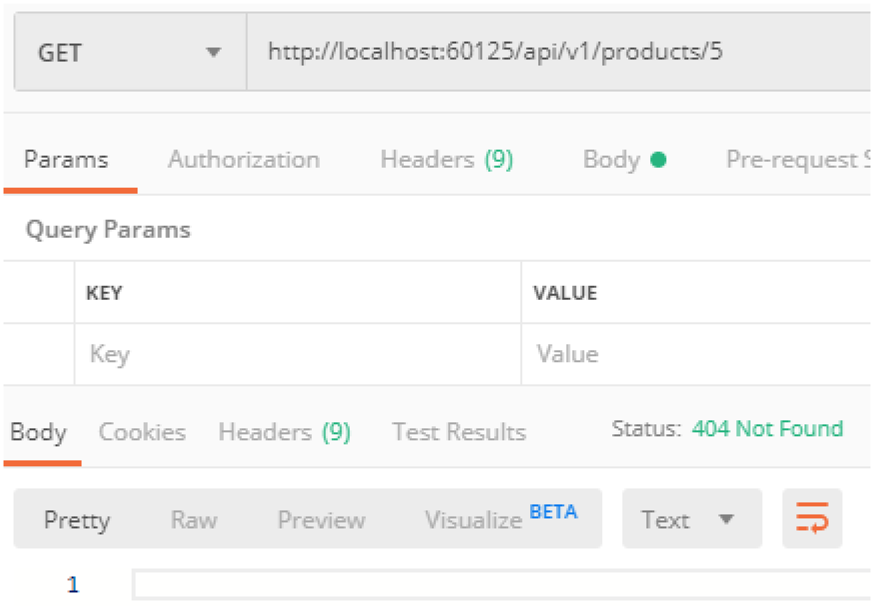


GET http://localhost:60125/api/v1/products/1

Status: 200 OK

```
{
    "Id": 1,
    "Name": "Tomato Soup",
    "Category": "Groceries",
    "Price": 1.0
}
```

Providing invalid id will lead to 404 Not Found.



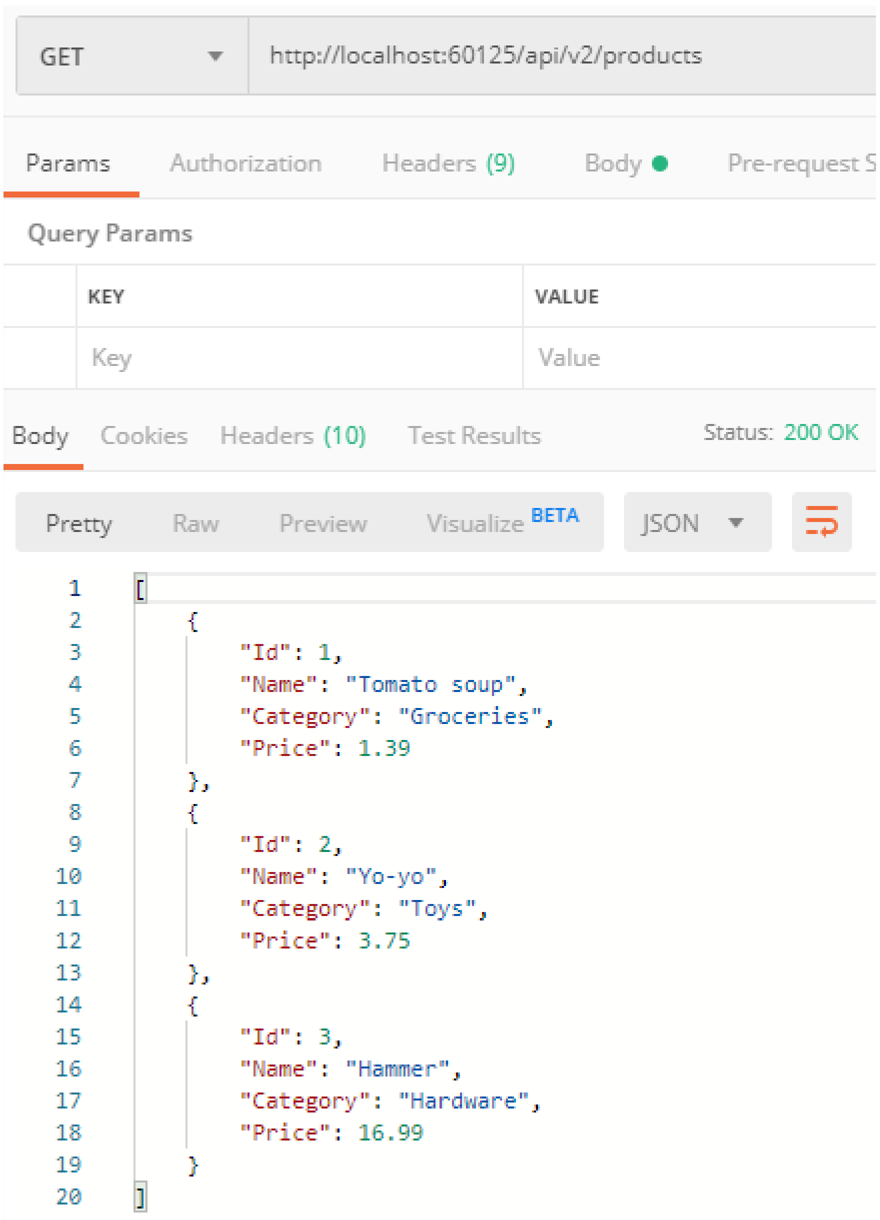
GET http://localhost:60125/api/v1/products/5

Status: 404 Not Found

GET: api/v2/products

Link: http://localhost:60125/api/v2/products

Get all products.

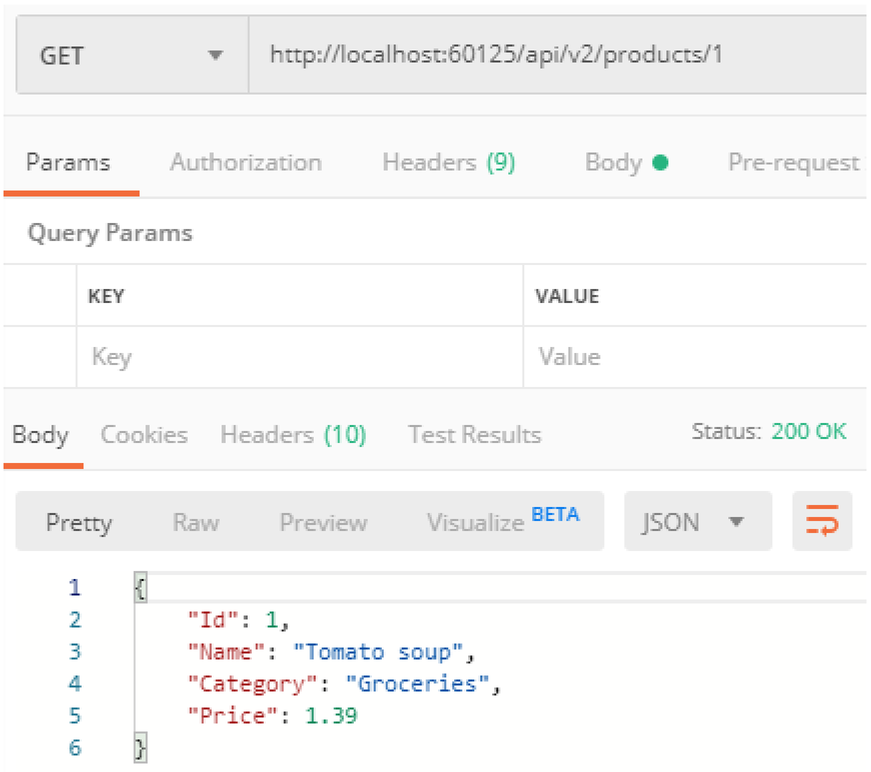


```
[
    {
        "Id": 1,
        "Name": "Tomato soup",
        "Category": "Groceries",
        "Price": 1.39
    },
    {
        "Id": 2,
        "Name": "Yo-yo",
        "Category": "Toys",
        "Price": 3.75
    },
    {
        "Id": 3,
        "Name": "Hammer",
        "Category": "Hardware",
        "Price": 16.99
    }
]
```

GET: api/v2/products/{**id**}

Link: http://localhost:60125/api/V2/products

Get product based on id. (Available Id between 1 to 3)

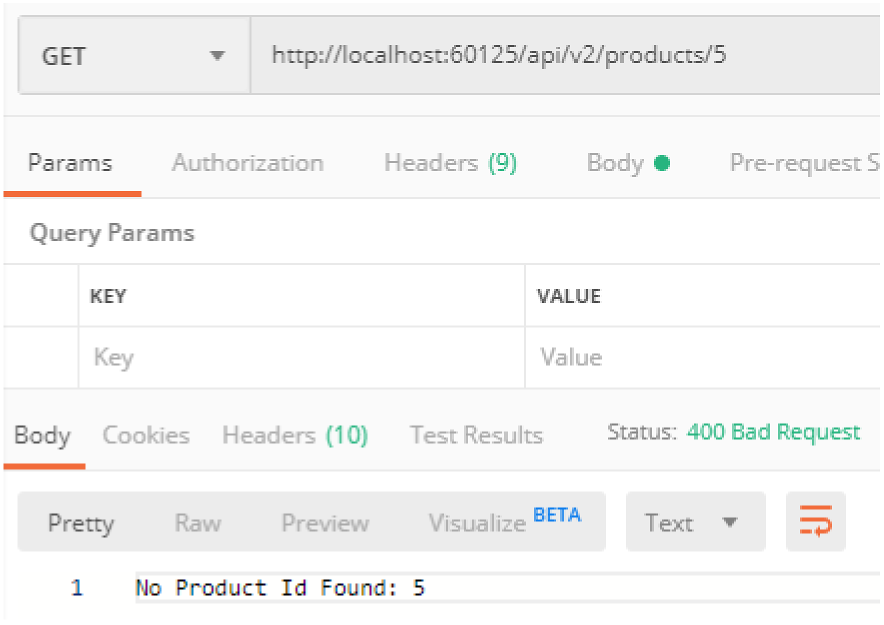


http://localhost:60125/api/v2/products/1

Status: 200 OK

```
{
    "Id": 1,
    "Name": "Tomato soup",
    "Category": "Groceries",
    "Price": 1.39
}
```

Providing invalid id will lead to 400 Bad Request



http://localhost:60125/api/v2/products/5

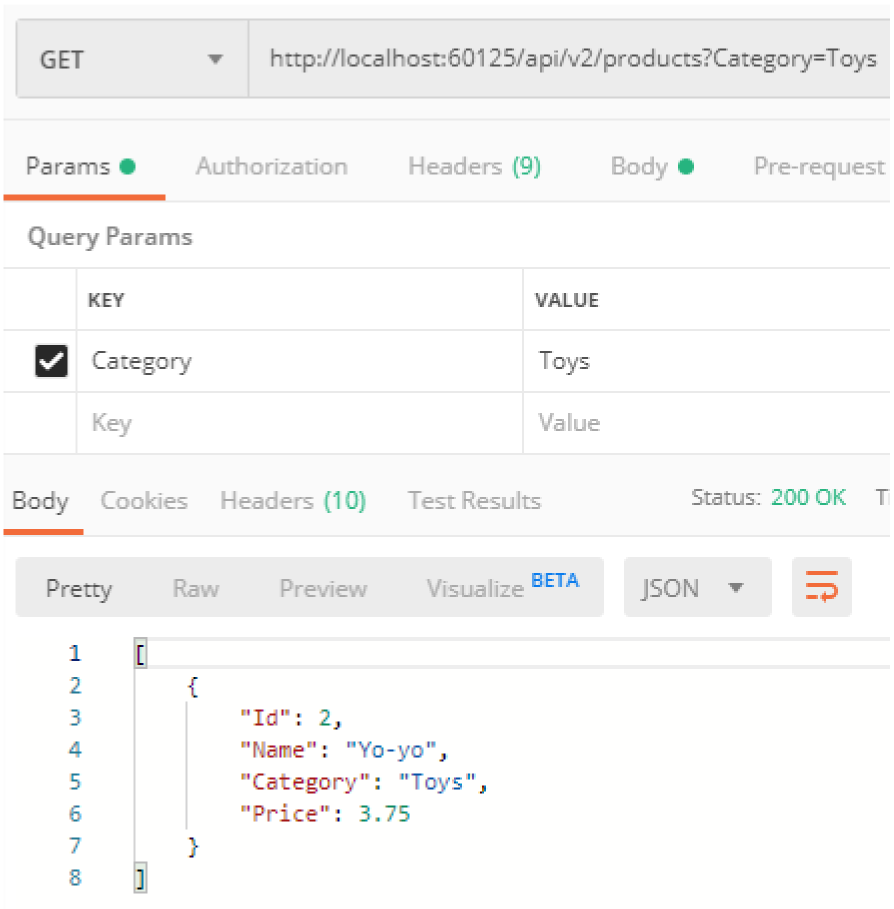
Status: 400 Bad Request

```
No Product Id Found: 5
```

GET: api/v2/products?Category=<**category**>

Link: http://localhost:60125/api/v2/products?Category=Toys

Get products by Category as parameter.



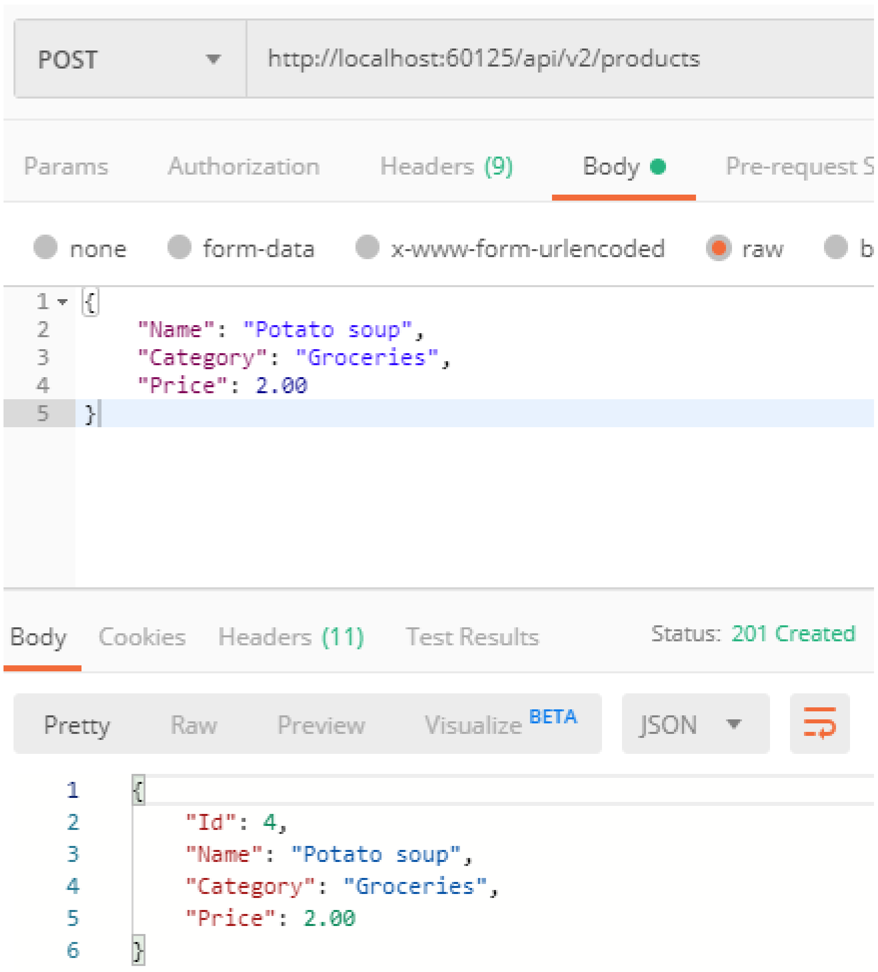
KEY	VALUE
✓ Category	Toys
Key	Value

```
[
    {
        "Id": 2,
        "Name": "Yo-yo",
        "Category": "Toys",
        "Price": 3.75
    }
]
```

POST: api/v2/products

Link: http://localhost:60125/api/v2/products

Create product using Post.



```
{
    "Name": "Potato soup",
    "Category": "Groceries",
    "Price": 2.00
}
```

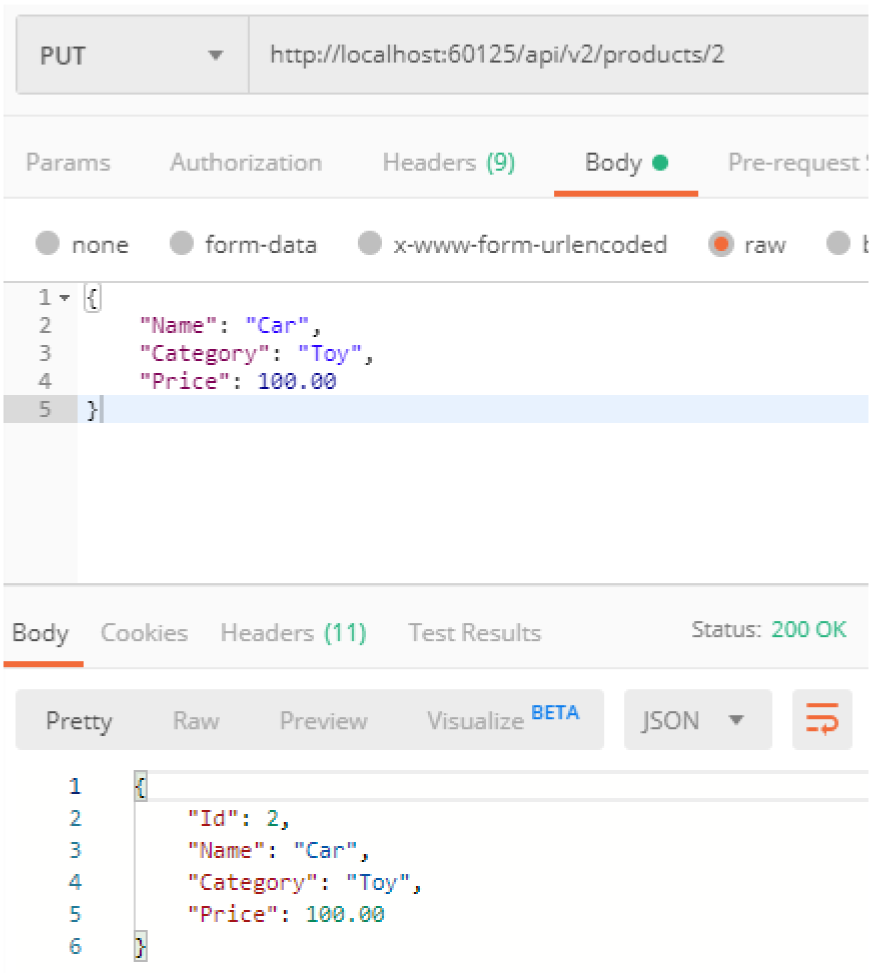
Status: 201 Created

```
{
    "Id": 4,
    "Name": "Potato soup",
    "Category": "Groceries",
    "Price": 2.00
}
```

PUT: api/v2/products/{**id**}

Link: http://localhost:60125/api/v2/products/2

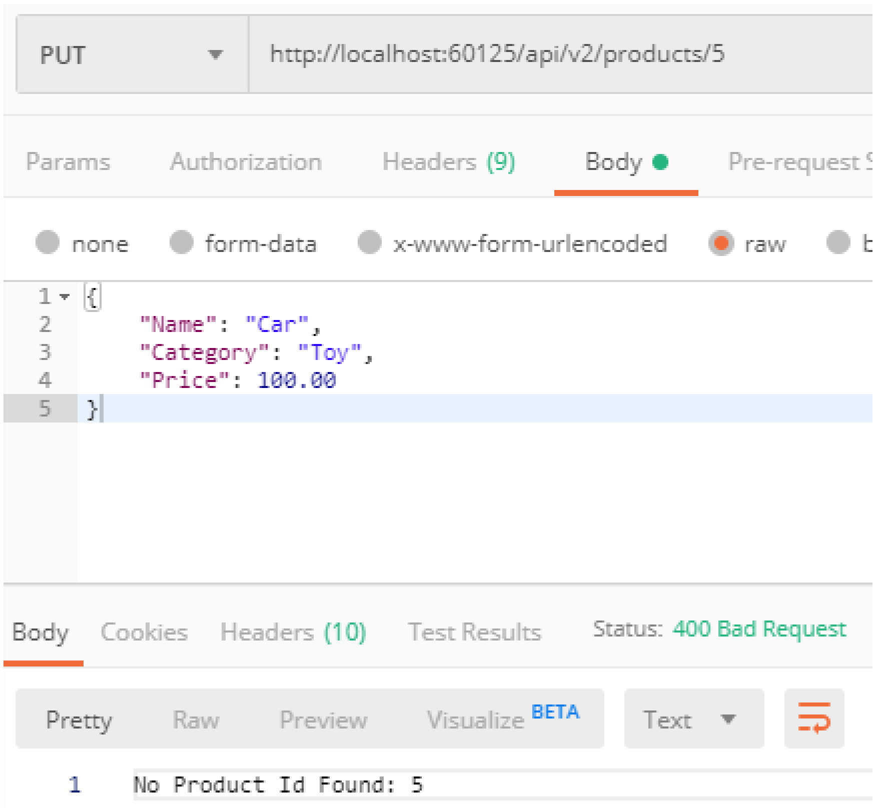
Change product details based on id using Put. (Available Id between 1 to 3)



```
{
    "Name": "Car",
    "Category": "Toy",
    "Price": 100.00
}
```

```
{
    "Id": 2,
    "Name": "Car",
    "Category": "Toy",
    "Price": 100.00
}
```

Providing invalid id will lead to 400 Bad Request



```
PUT http://localhost:60125/api/v2/products/5
```

```
{
    "Name": "Car",
    "Category": "Toy",
    "Price": 100.00
}
```

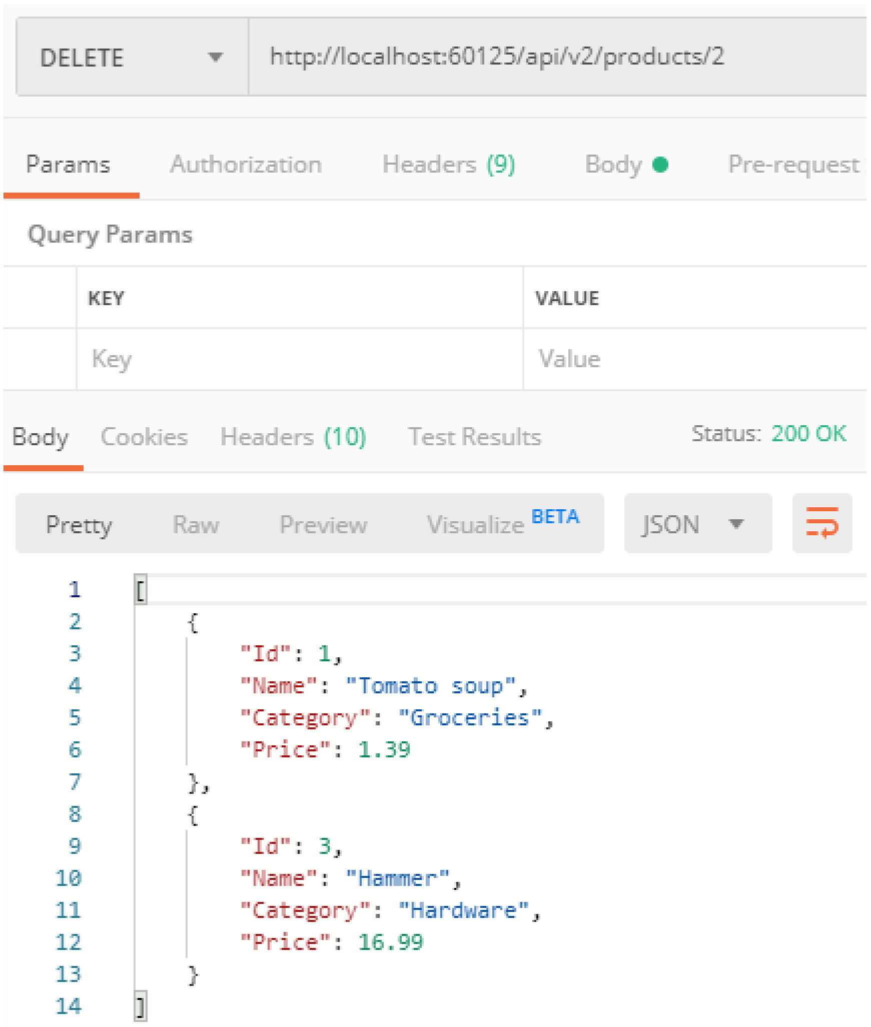
Status: 400 Bad Request

```
No Product Id Found: 5
```

DELETE: api/v2/products/{**id**}

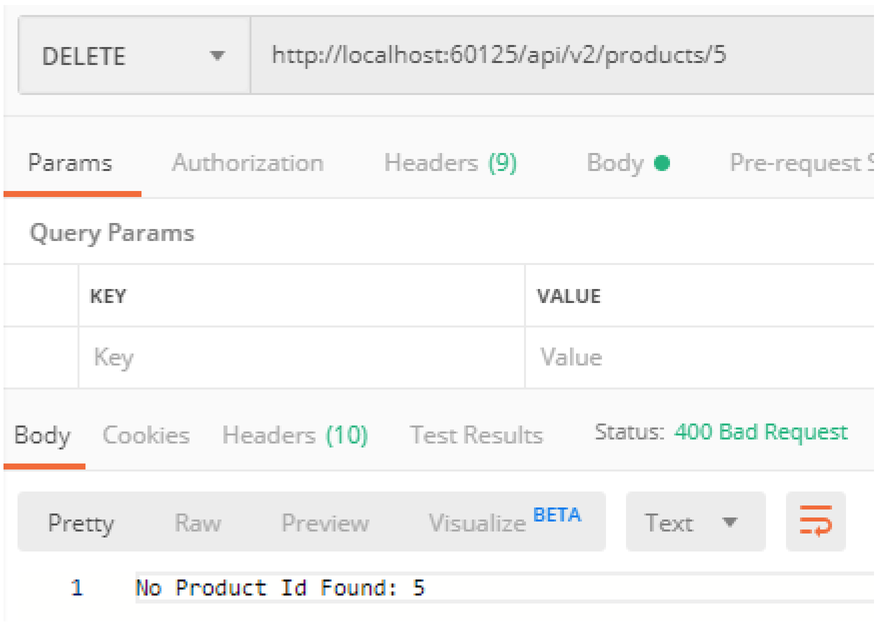
Link: http://localhost:60125/api/v2/products/2

Remove product based on id using Delete. (Available Id between 1 to 3)



```
[
    {
        "Id": 1,
        "Name": "Tomato soup",
        "Category": "Groceries",
        "Price": 1.39
    },
    {
        "Id": 3,
        "Name": "Hammer",
        "Category": "Hardware",
        "Price": 16.99
    }
]
```

Providing invalid id will lead to 400 Bad Request



```
http://localhost:60125/api/v2/products/5
```

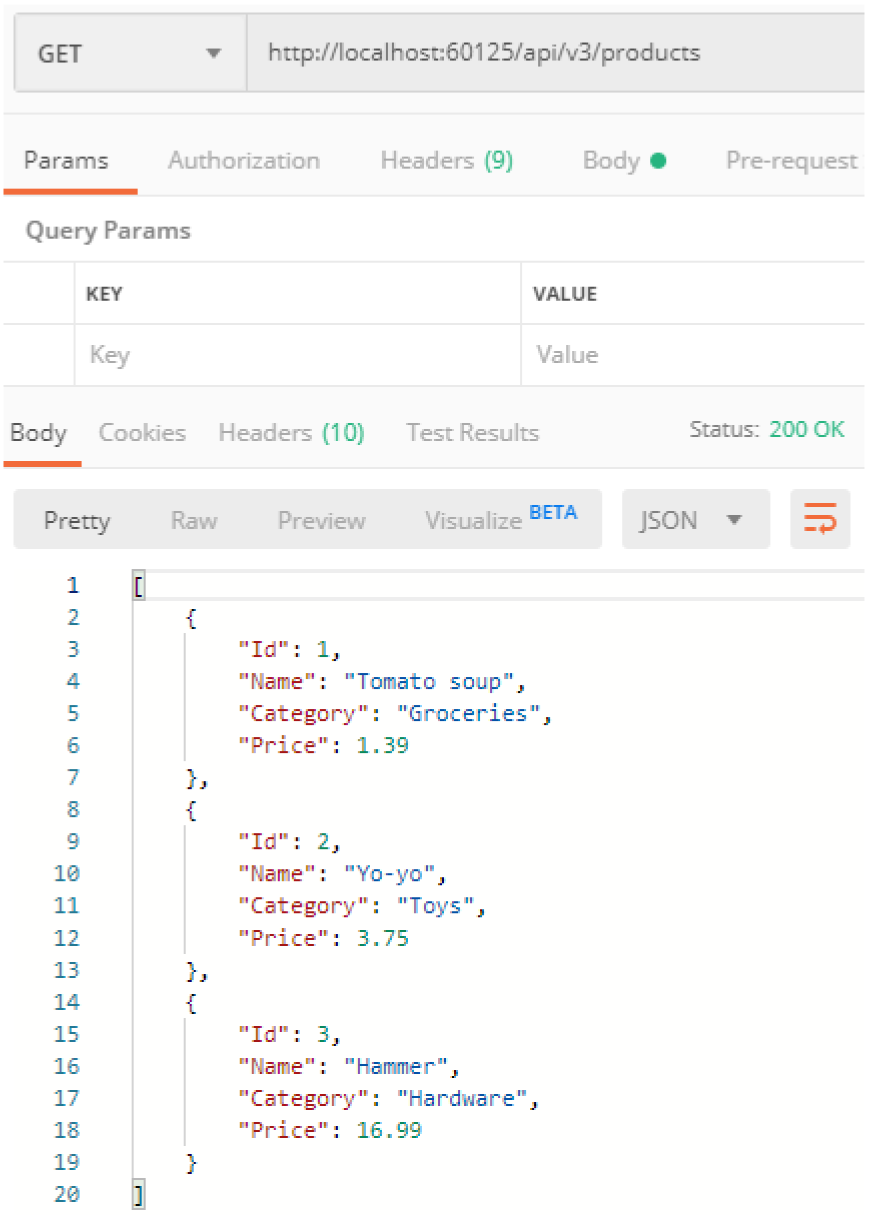
Status: 400 Bad Request

```
No Product Id Found: 5
```

GET: api/v3/products

Link: http://localhost:60125/api/v3/products

Get all products.



http://localhost:60125/api/v3/products

Query Params

KEY	VALUE
Key	Value

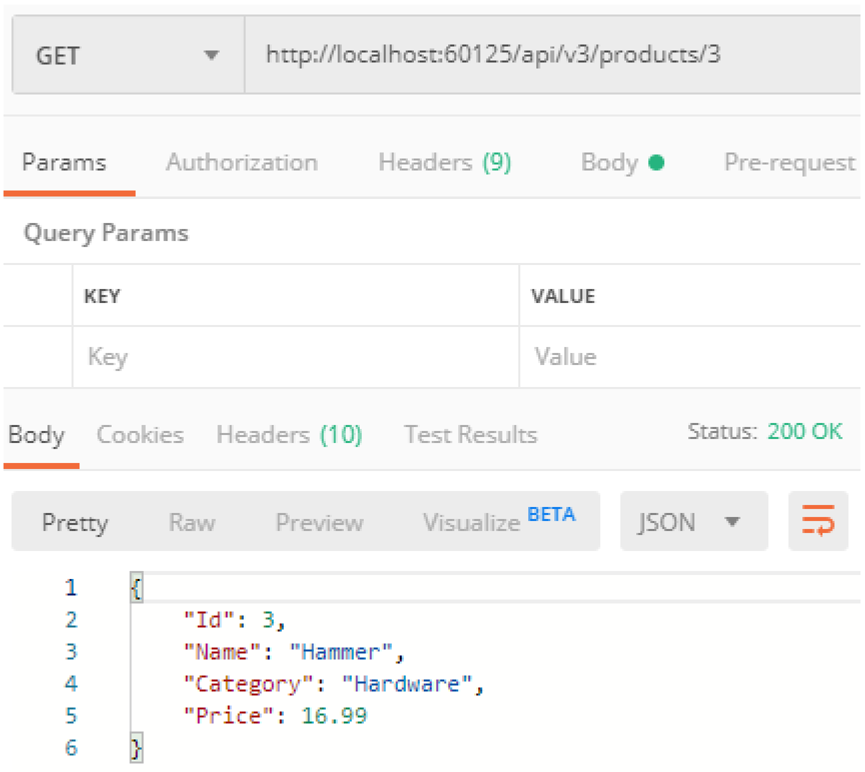
Status: 200 OK

```
[
    {
        "Id": 1,
        "Name": "Tomato soup",
        "Category": "Groceries",
        "Price": 1.39
    },
    {
        "Id": 2,
        "Name": "Yo-yo",
        "Category": "Toys",
        "Price": 3.75
    },
    {
        "Id": 3,
        "Name": "Hammer",
        "Category": "Hardware",
        "Price": 16.99
    }
]
```

GET: api/v3/products/{**id**}

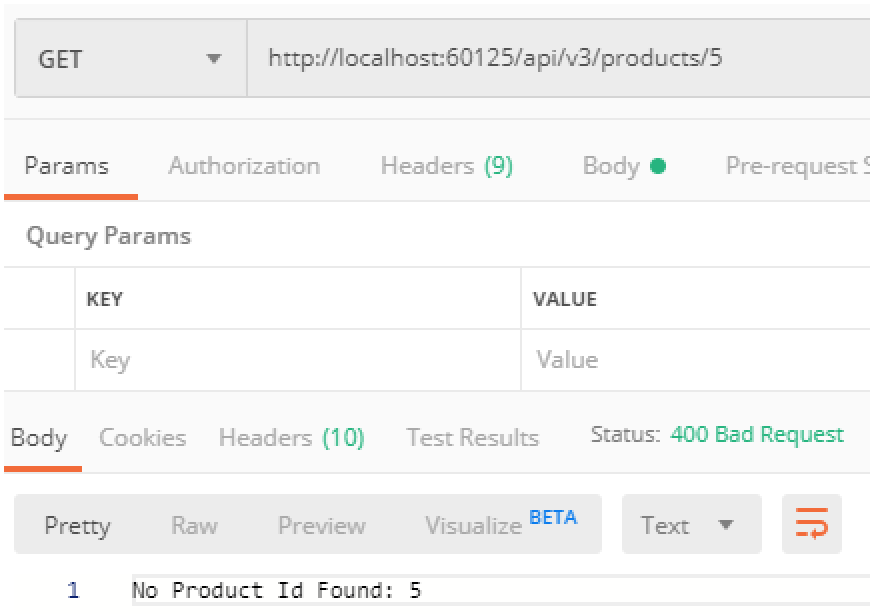
Link: http://localhost:60125/api/v3/products/3

Get product based on id. (Available Id between 1 to 3)



```
GET http://localhost:60125/api/v3/products/3
Status: 200 OK
{
    "Id": 3,
    "Name": "Hammer",
    "Category": "Hardware",
    "Price": 16.99
}
```

Providing invalid id will lead to 400 Bad Request

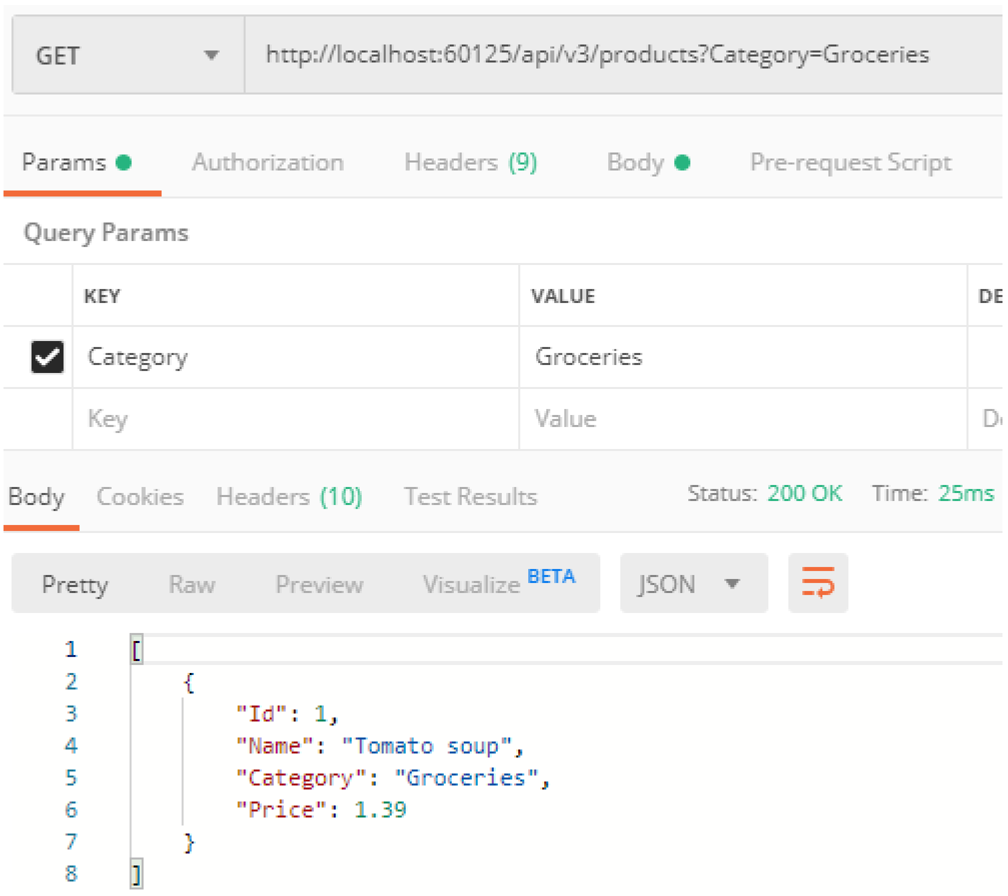


```
GET http://localhost:60125/api/v3/products/5
Status: 400 Bad Request
No Product Id Found: 5
```

GET: api/v3/products?Category=<**category**>

Link: http://localhost:60125/api/v3/products?Category=Groceries

Get products by Category as parameter.



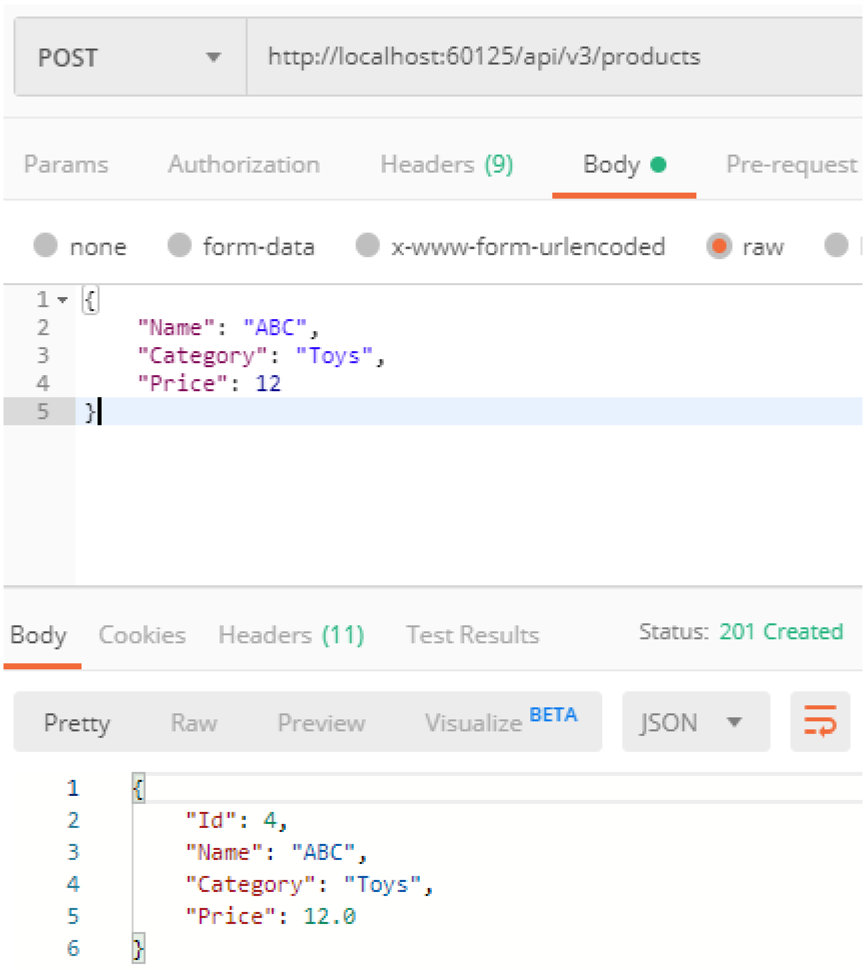
	KEY	VALUE	DE
✓	Category	Groceries	
	Key	Value	D

```
[
    {
        "Id": 1,
        "Name": "Tomato soup",
        "Category": "Groceries",
        "Price": 1.39
    }
]
```

POST: api/v3/products

Link: http://localhost:60125/api/v3/products

Create product using Post.


POST http://localhost:60125/api/v3/products

Params Authorization Headers (9) Body ● Pre-request

none form-data x-www-form-urlencoded [✓ raw]

```
{
    "Name": "ABC",
    "Category": "Toys",
    "Price": 12
}
```

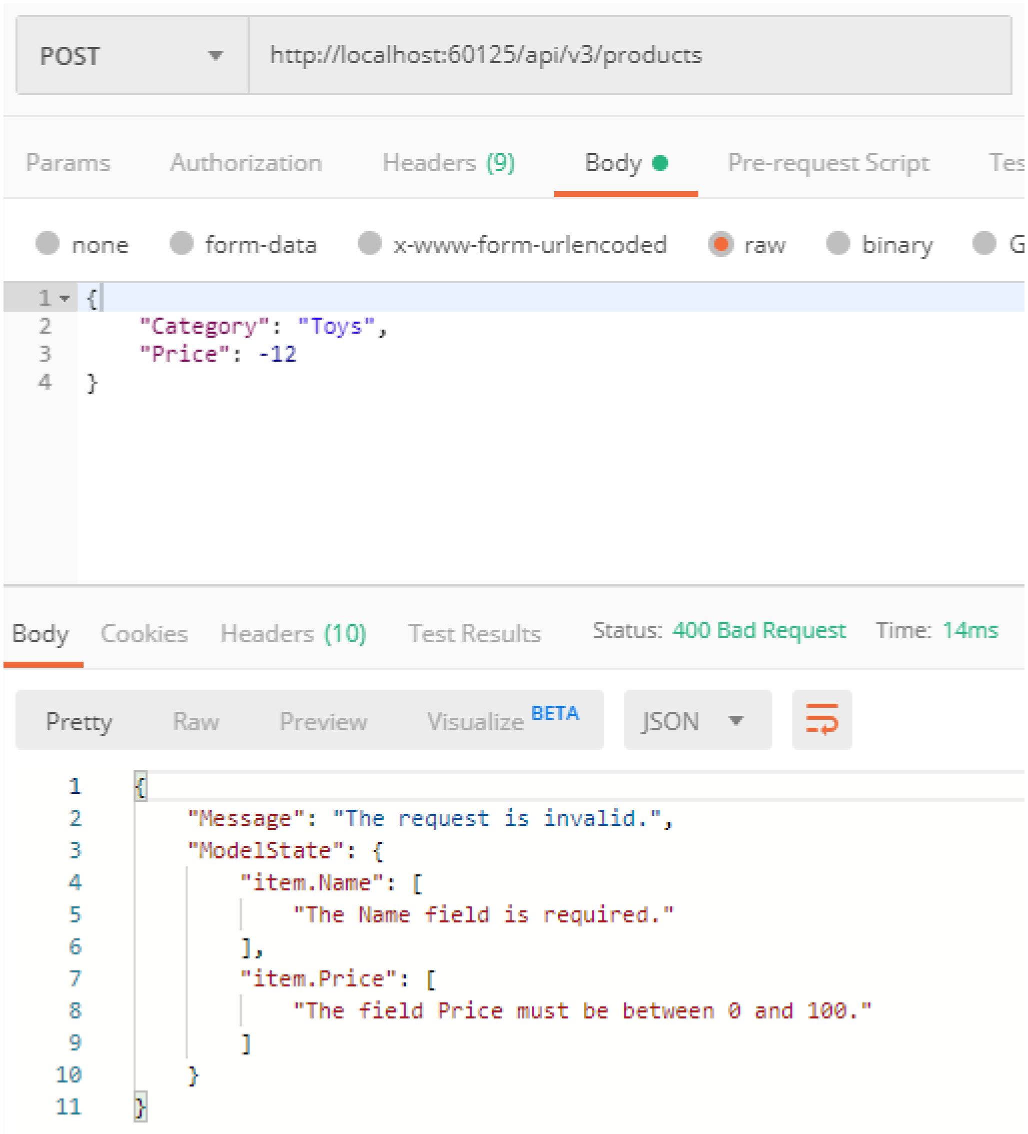
Body Cookies Headers (11) Test Results Status: 201 Created

Pretty Raw Preview Visualize BETA JSON

```
{
    "Id": 4,
    "Name": "ABC",
    "Category": "Toys",
    "Price": 12.0
}
```

“Under-posting” will lead to 400 Bad Request. (Required: Name, Price*)

**Price must be between 0 to 100*



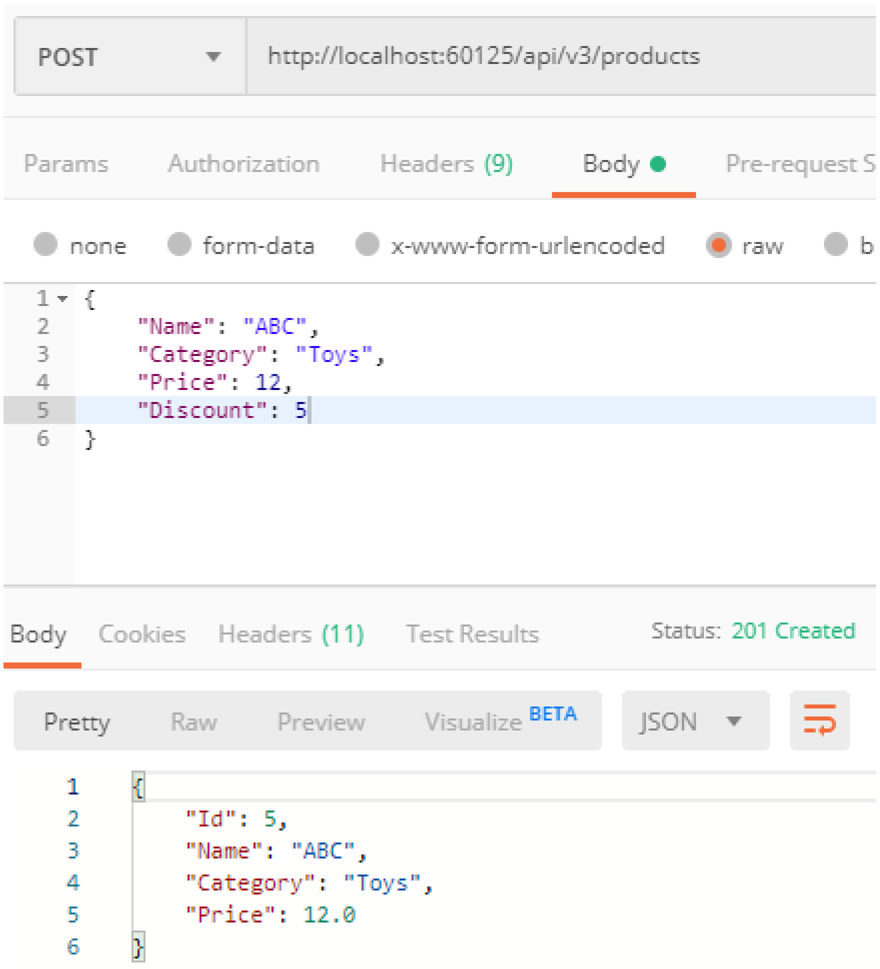
http://localhost:60125/api/v3/products

```
{
    "Category": "Toys",
    "Price": -12
}
```

Status: 400 Bad Request Time: 14ms

```
{
    "Message": "The request is invalid.",
    "ModelState": {
        "item.Name": [
            "The Name field is required."
        ],
        "item.Price": [
            "The field Price must be between 0 and 100."
        ]
    }
}
```

“Over-posting” will lead to 201 Created. (“Over-post” values are excluded in creation)



POST http://localhost:60125/api/v3/products

Params | Authorization | Headers (9) | Body ● | Pre-request S

none | form-data | x-www-form-urlencoded | [✓ raw] | b

```
{
    "Name": "ABC",
    "Category": "Toys",
    "Price": 12,
    "Discount": 5
}
```

Body | Cookies | Headers (11) | Test Results   Status: 201 Created

Pretty | Raw | Preview | Visualize BETA | JSON

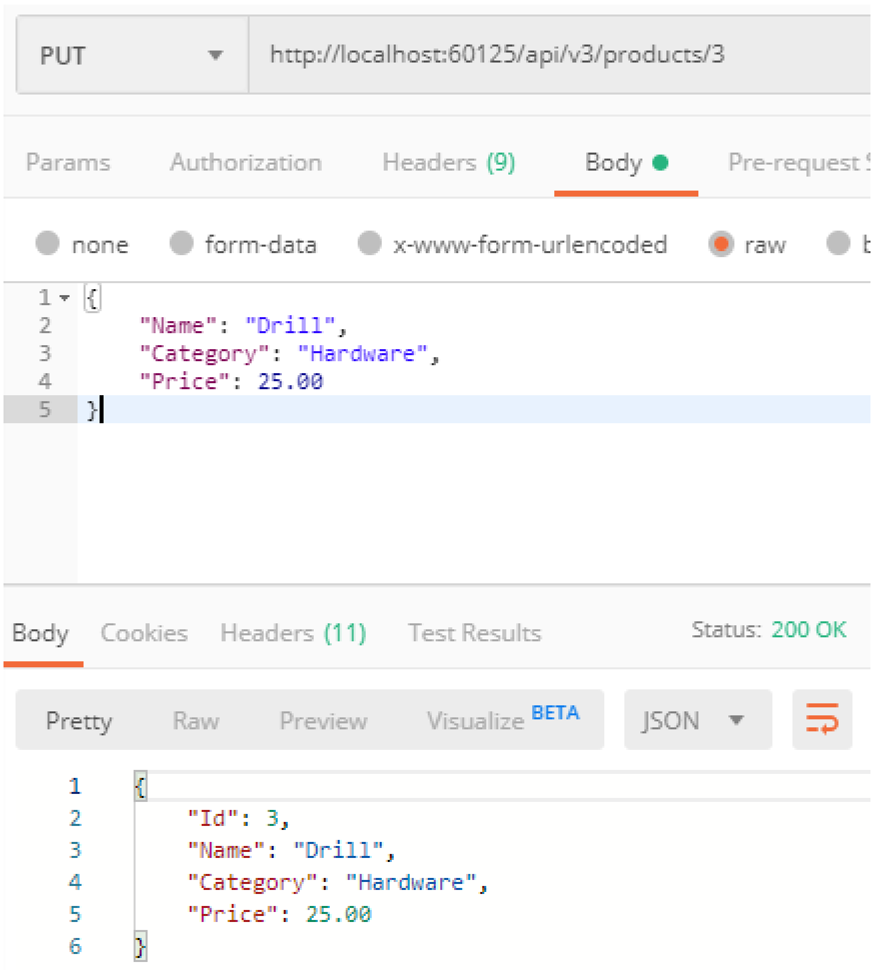
```
{
    "Id": 5,
    "Name": "ABC",
    "Category": "Toys",
    "Price": 12.0
}
```

^ ”Discount” is excluded during creation

PUT: api/v3/products/{**id**}

Link: http://localhost:60125/api/v3/products/3

Change product details based on id using Put. (Available Id between 1 to 3)

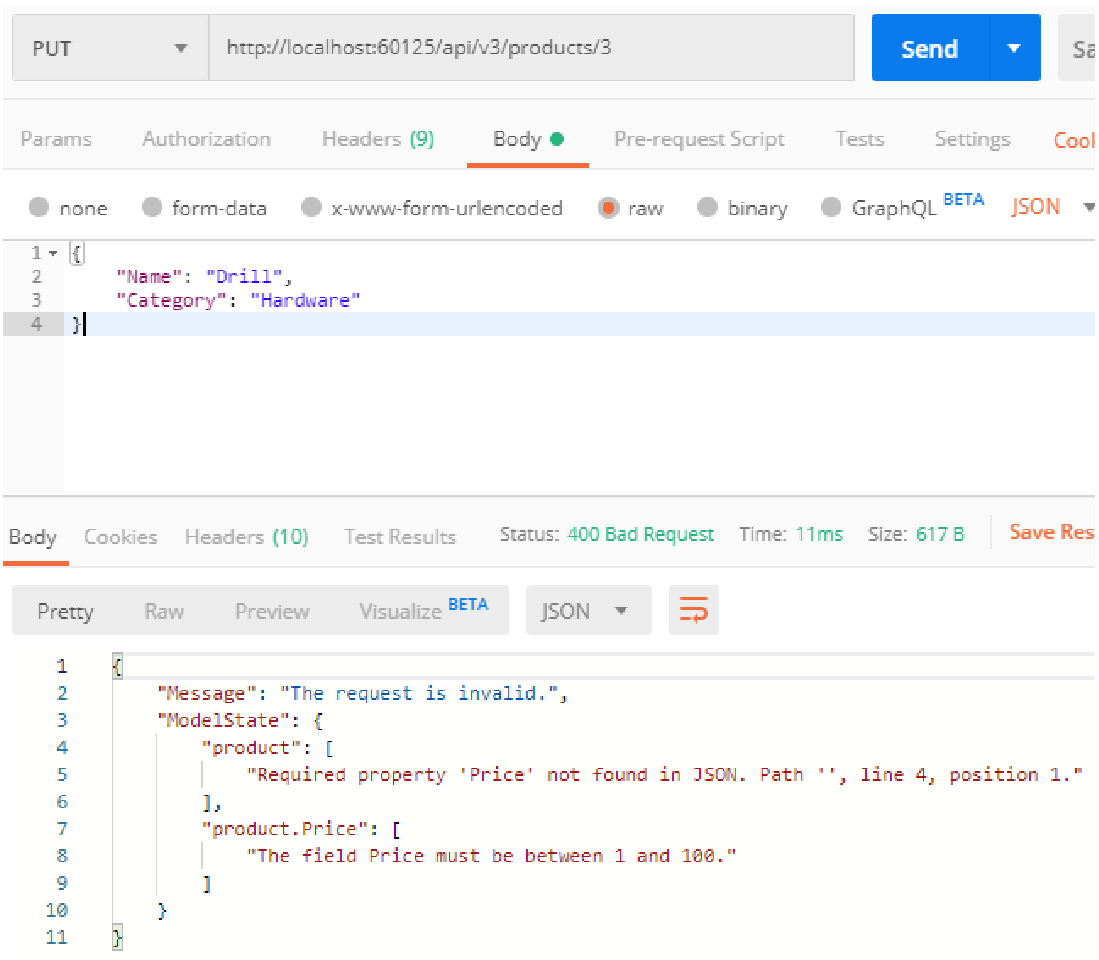


```
{
    "Name": "Drill",
    "Category": "Hardware",
    "Price": 25.00
}
```

```
{
    "Id": 3,
    "Name": "Drill",
    "Category": "Hardware",
    "Price": 25.00
}
```

“Under-posting” will lead to 400 Bad Request. (Required: Name, Price*)

**Price must be between 0 to 100*



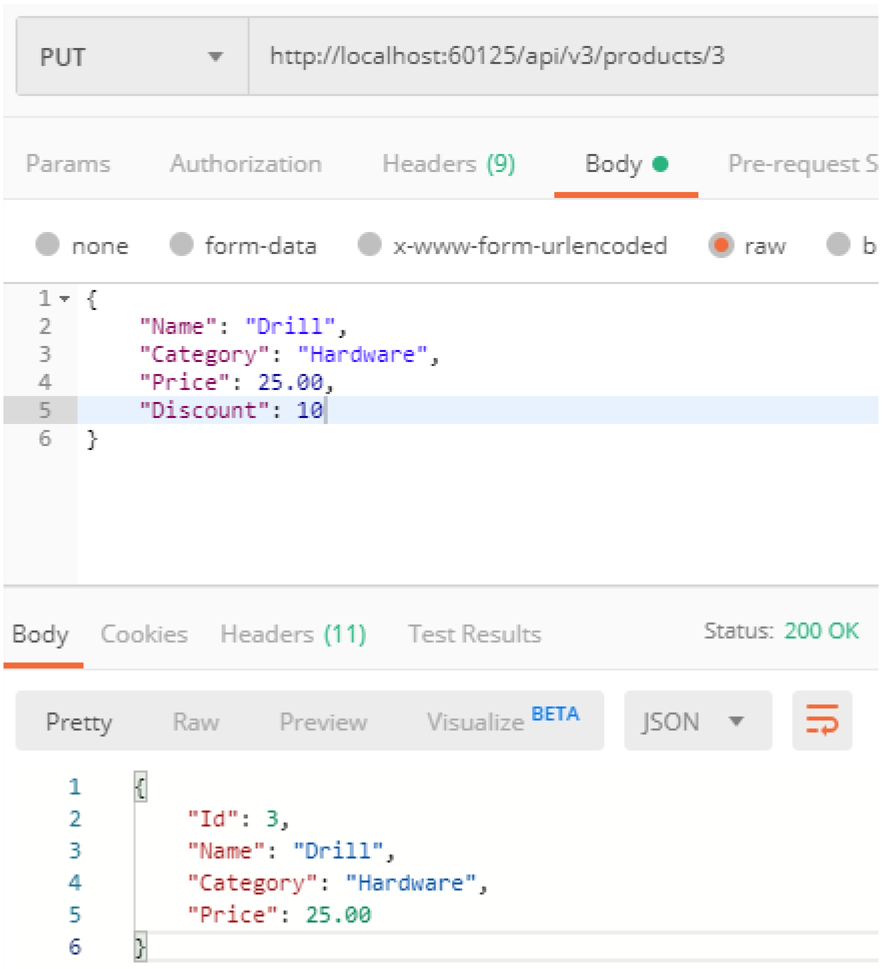
http://localhost:60125/api/v3/products/3

```
{
    "Name": "Drill",
    "Category": "Hardware"
}
```

Status: 400 Bad Request Time: 11ms Size: 617 B

```
{
    "Message": "The request is invalid.",
    "ModelState": {
        "product": [
            "Required property 'Price' not found in JSON. Path '', line 4, position 1."
        ],
        "product.Price": [
            "The field Price must be between 1 and 100."
        ]
    }
}
```

“Over-posting” will lead to 200 OK. (“Over-post” values are excluded in creation)



http://localhost:60125/api/v3/products/3

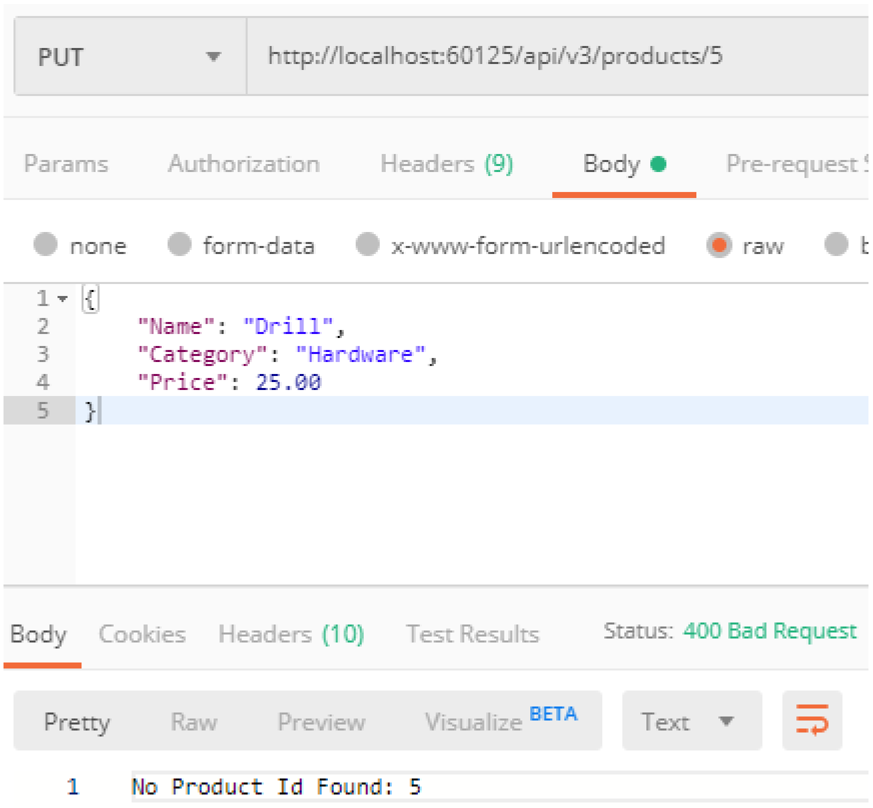
```
{
    "Name": "Drill",
    "Category": "Hardware",
    "Price": 25.00,
    "Discount": 10
}
```

Status: 200 OK

```
{
    "Id": 3,
    "Name": "Drill",
    "Category": "Hardware",
    "Price": 25.00
}
```

^ ”Discount” is excluded during creation

Providing invalid id will lead to 400 Bad Request



```
http://localhost:60125/api/v3/products/5
```

```
{
    "Name": "Drill",
    "Category": "Hardware",
    "Price": 25.00
}
```

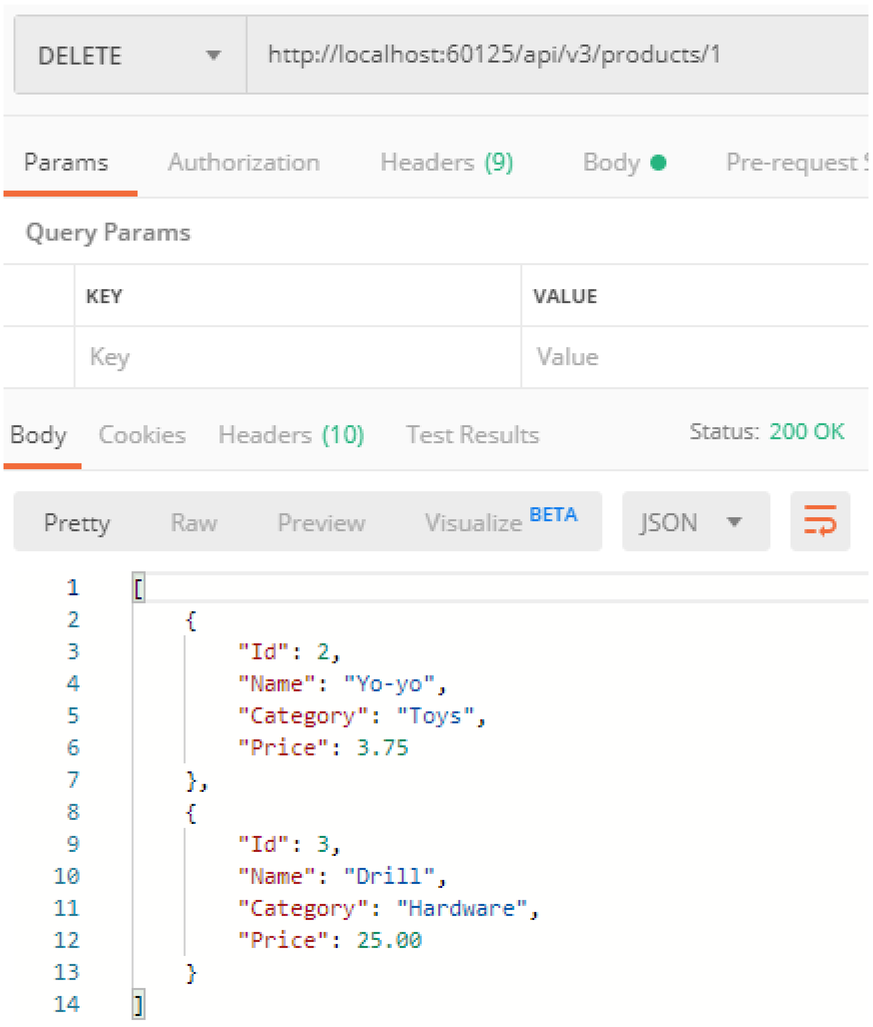
Status: 400 Bad Request

```
No Product Id Found: 5
```

DELETE: api/v3/products/{**id**}

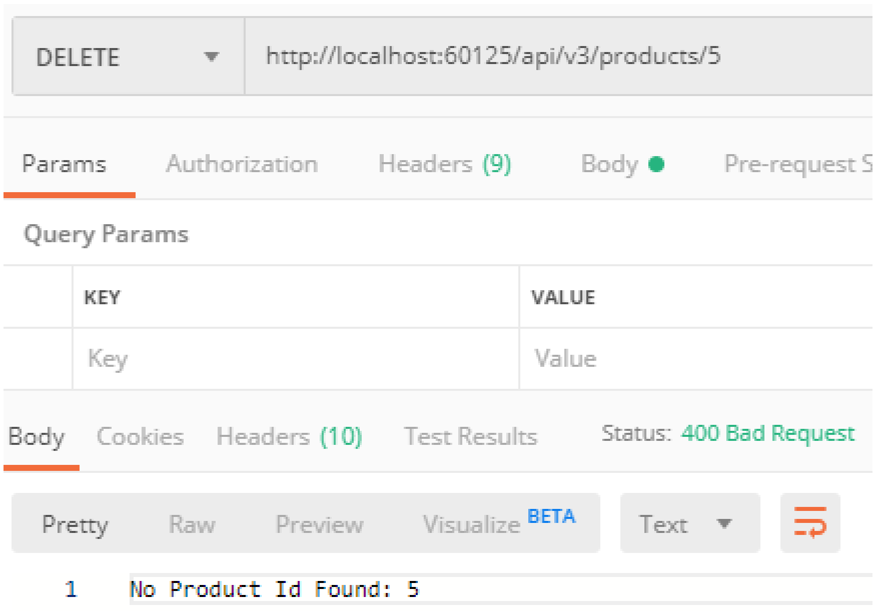
Link: http://localhost:60125/api/v1/products/1

Remove product based on id using Delete. (Available Id between 1 to 3)



```
[
    {
        "Id": 2,
        "Name": "Yo-yo",
        "Category": "Toys",
        "Price": 3.75
    },
    {
        "Id": 3,
        "Name": "Drill",
        "Category": "Hardware",
        "Price": 25.00
    }
]
```

Providing invalid id will lead to 400 Bad Request



http://localhost:60125/api/v3/products/5

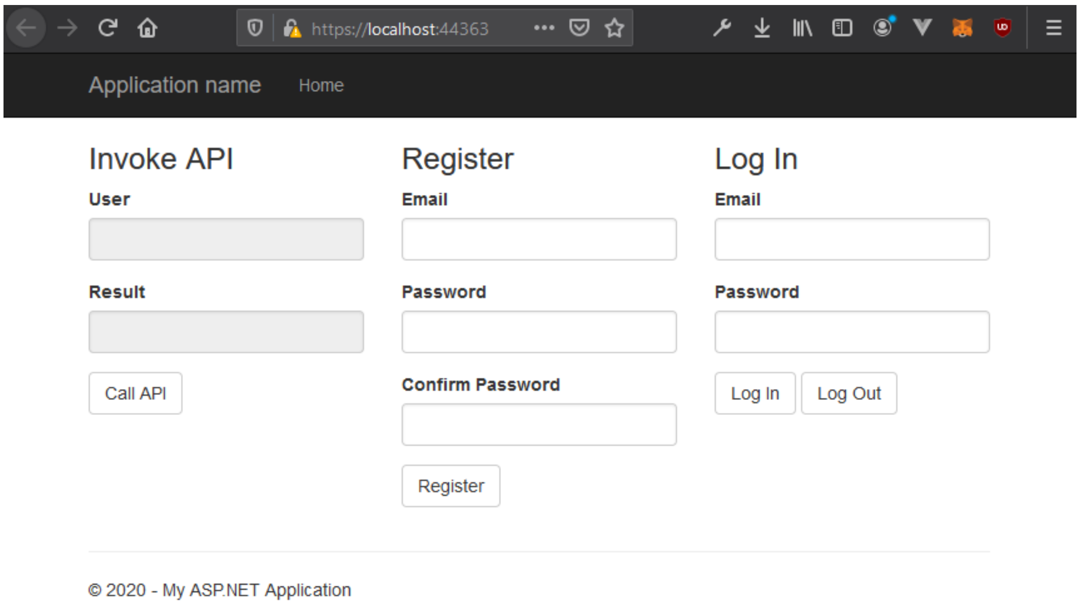
Status: 400 Bad Request

```
No Product Id Found: 5
```

Task 3

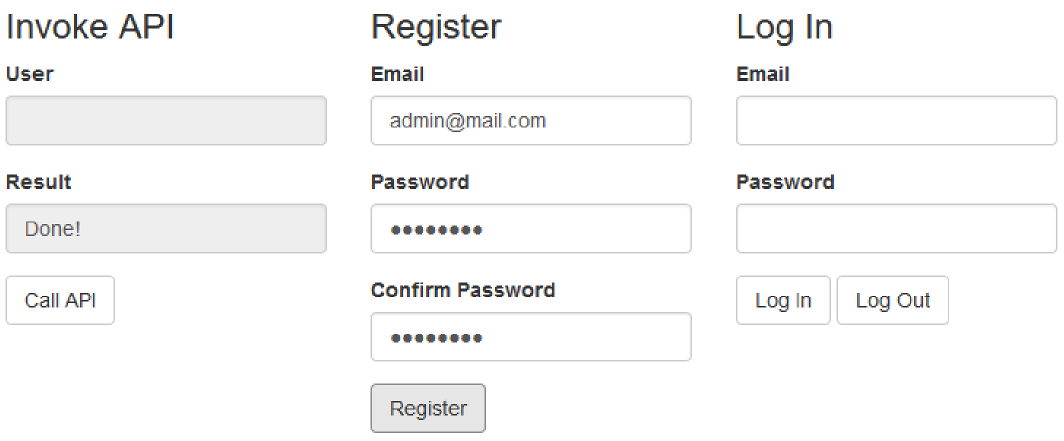
Browser

Debug run the application and you will see the following page on load.



Register

Register account by entering email and password twice.



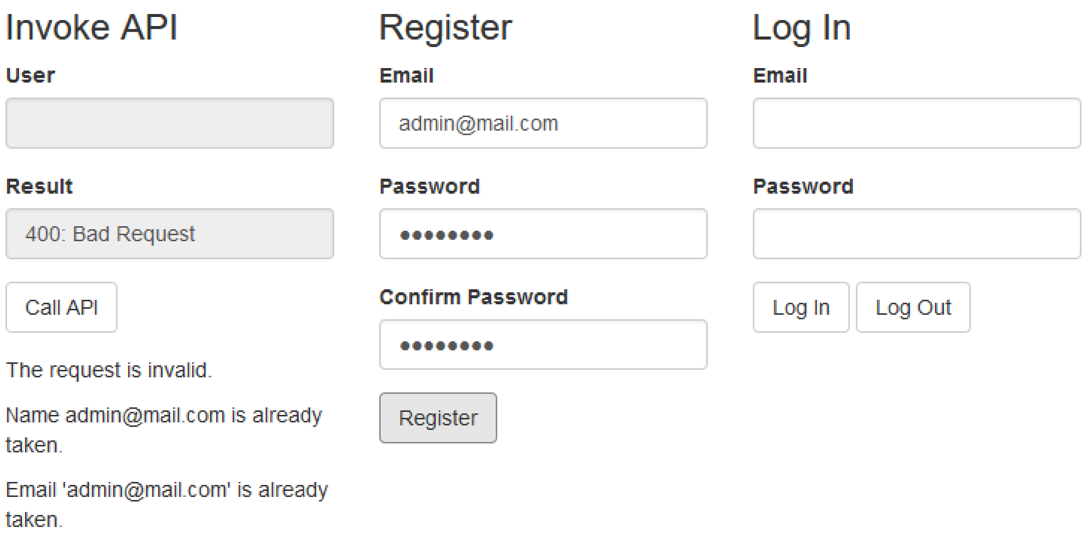
Result: Done!

Email: admin@mail.com

Password: ●●●●●●●●

Confirm Password: ●●●●●●●●

Register can fail if email is already existed in the database.



Result: 400: Bad Request

The request is invalid.

Name admin@mail.com is already taken.

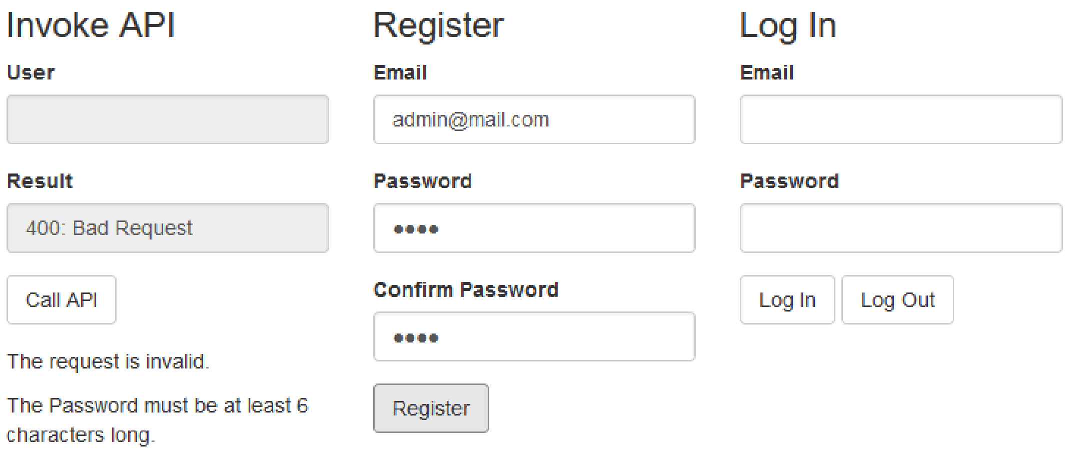
Email 'admin@mail.com' is already taken.

Email: admin@mail.com

Password: ●●●●●●●●

Confirm Password: ●●●●●●●●

Register can fail if password fails the validation process.



Invoke API

User

Result

400: Bad Request

The request is invalid.

The Password must be at least 6 characters long.

Register

Email

admin@mail.com

Password

••••

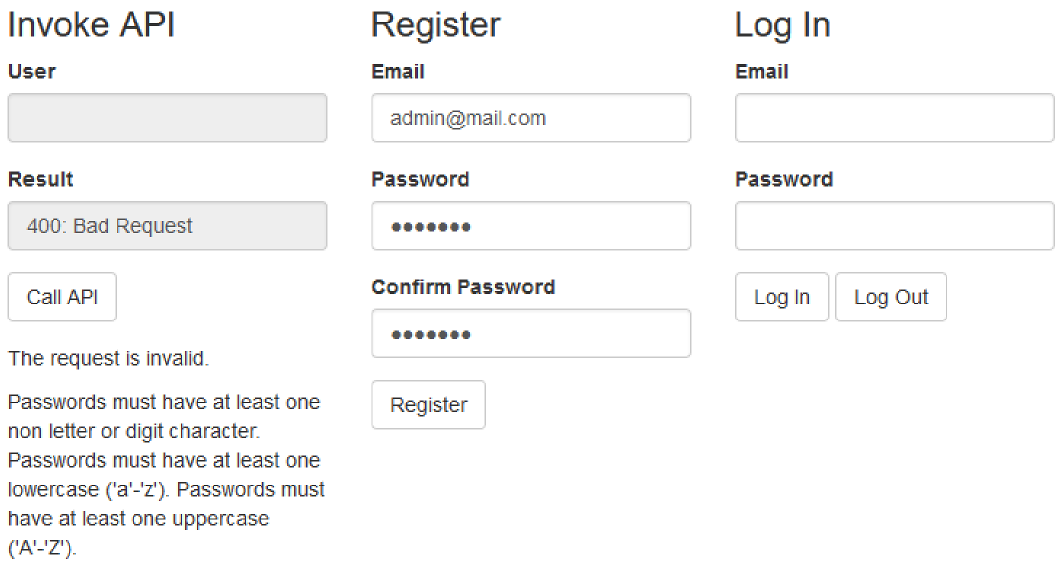
Confirm Password

••••

Log In

Email

Password



Invoke API

User

Result

400: Bad Request

The request is invalid.

Passwords must have at least one non letter or digit character. Passwords must have at least one lowercase ('a'-'z'). Passwords must have at least one uppercase ('A'-'Z').

Register

Email

admin@mail.com

Password

•••••••

Confirm Password

•••••••

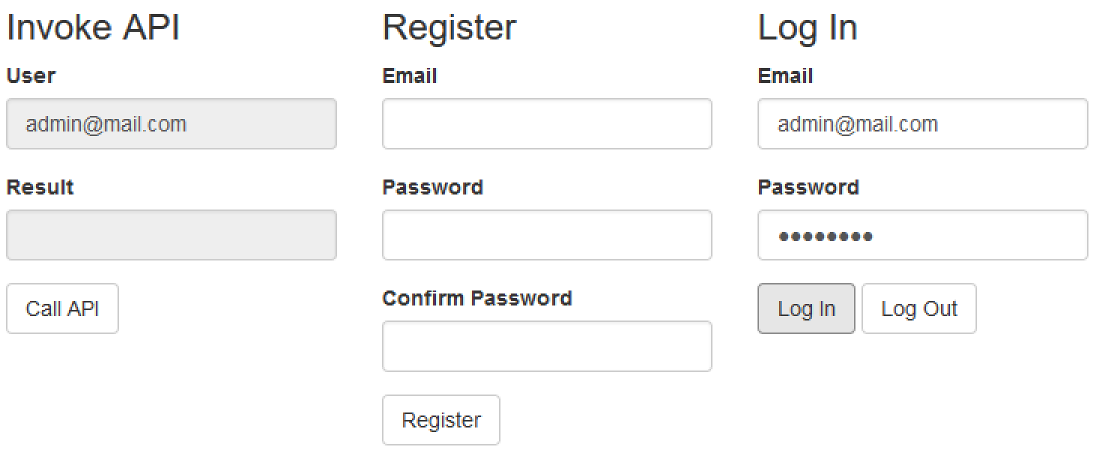
Log In

Email

Password

Log in

Log in to the account by entering email and password. (Bearer token will be created)



Invoke API

User: admin@mail.com

Result:

Register

Email:

Password:

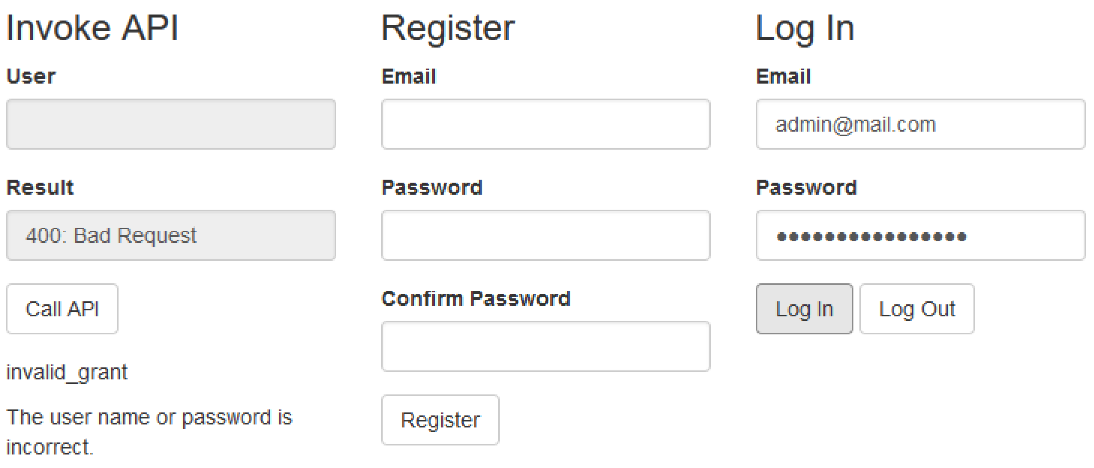
Confirm Password:

Log In

Email: admin@mail.com

Password: ●●●●●●●●

Log in can fail if email does not exist or password is incorrect.



Invoke API

User:

Result: 400: Bad Request

invalid_grant

The user name or password is incorrect.

Register

Email:

Password:

Confirm Password:

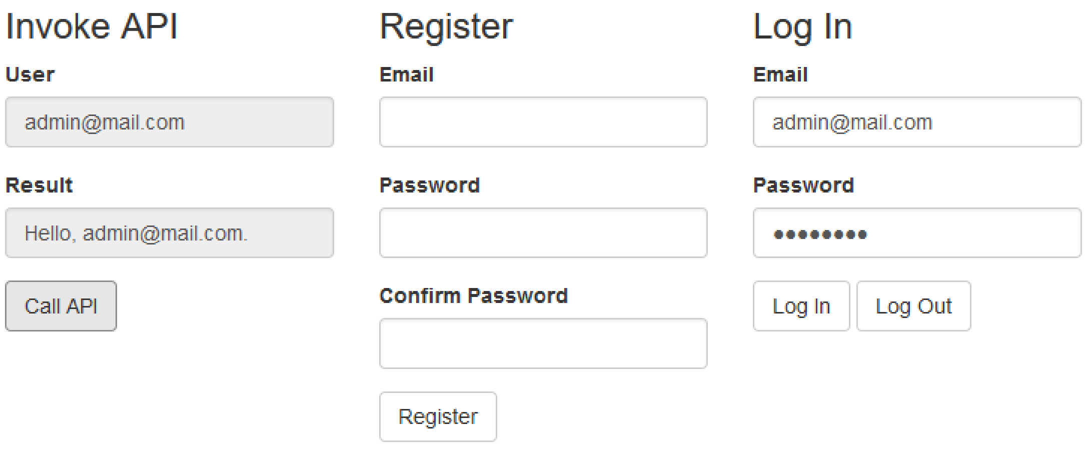
Log In

Email: admin@mail.com

Password: ●●●●●●●●●●●●●●●●

Call API

After logging in, user will be able to call API. (Authorized using bearer token)



Invoke API

User

admin@mail.com

Result

Hello, admin@mail.com.

Register

Email

Password

Confirm Password

Log In

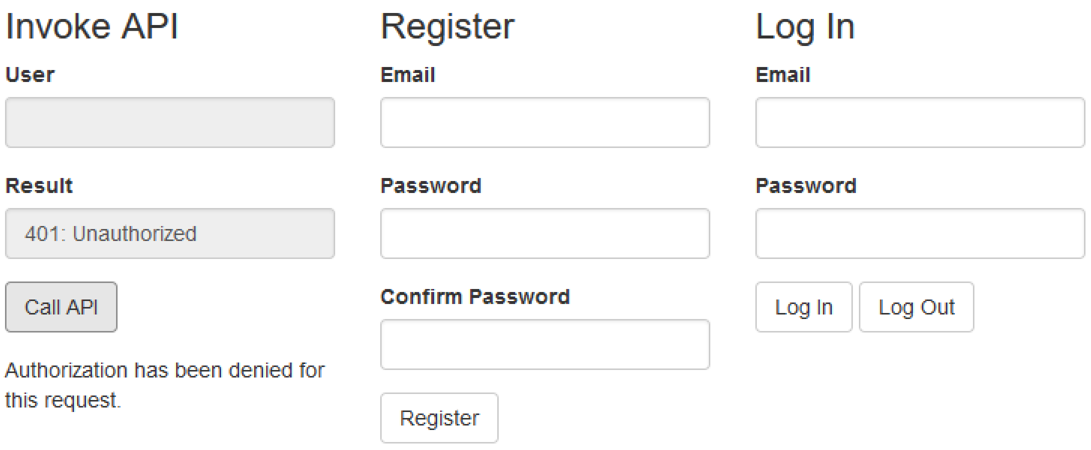
Email

admin@mail.com

Password

••••••••

API could not be called when user is not log on. (Due to lack of bearer token)



Invoke API

User

Result

401: Unauthorized

Authorization has been denied for this request.

Register

Email

Password

Confirm Password

Log In

Email

Password

Postman

Localhost:

https://localhost:44363/

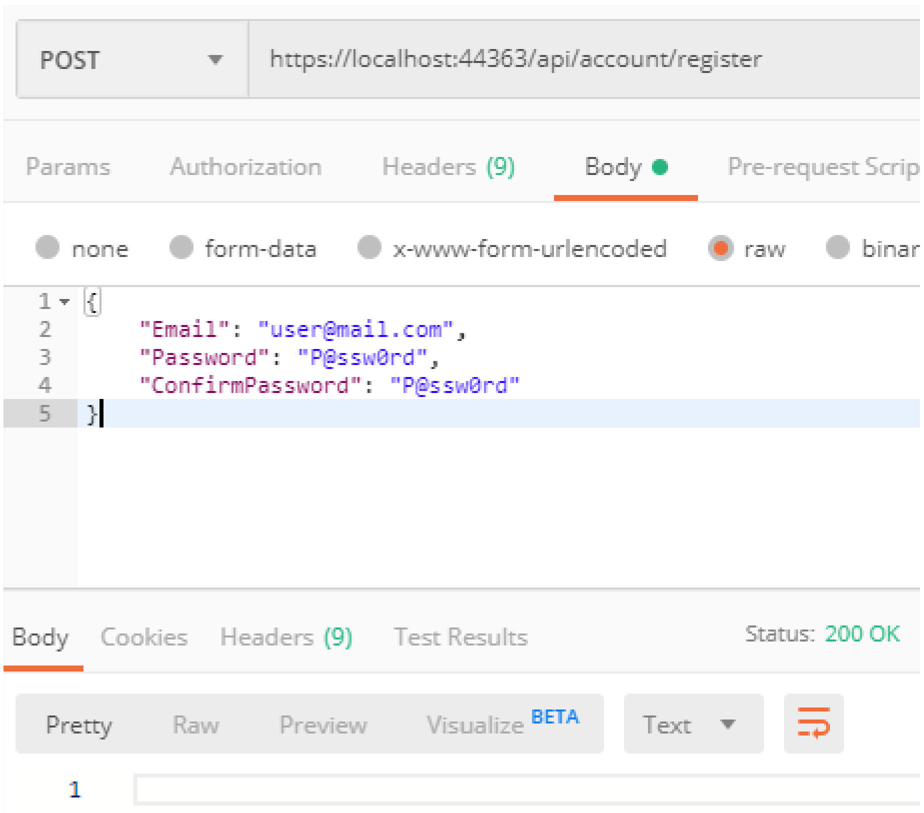
APIs:

Security Level	Type	API Route
Anonymous	POST	api/account/register
Anonymous	POST	token
Authorized	GET	api/values

POST: api/account/register

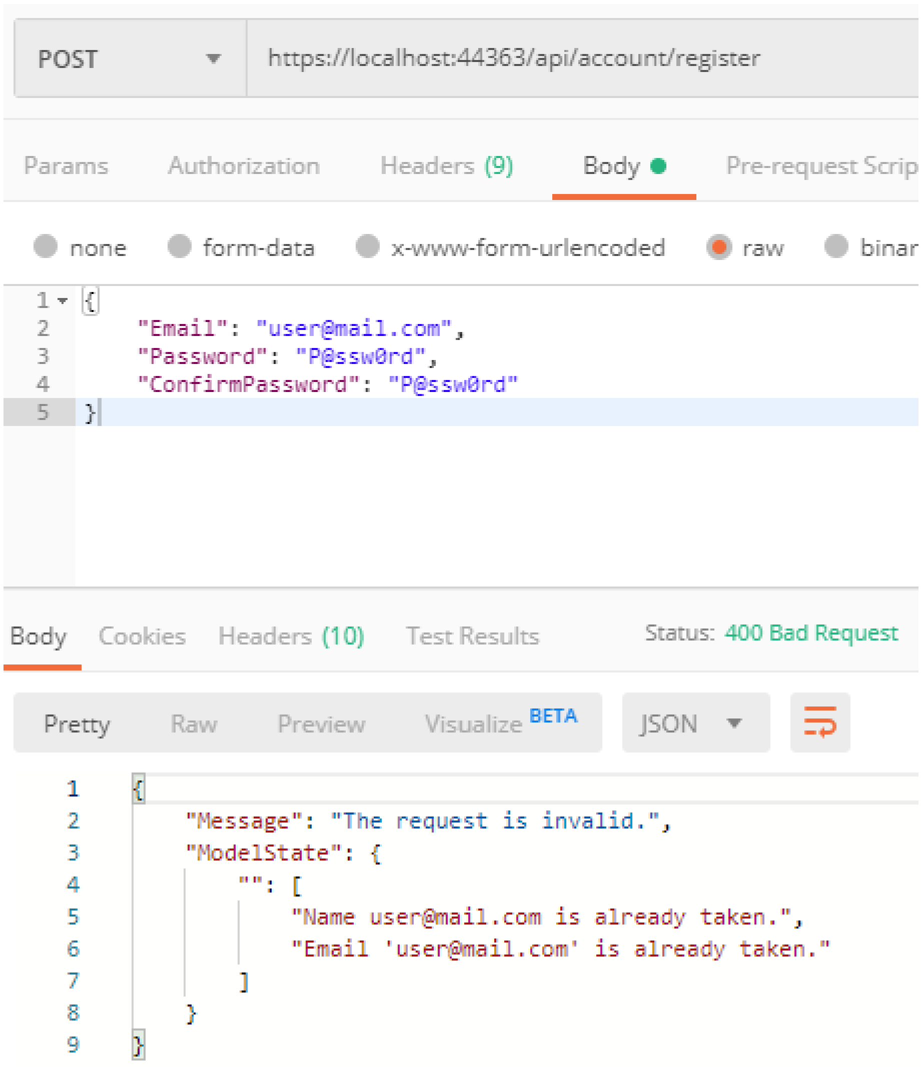
Link: https://localhost:44363/api/account/register

Register account by Post.



```
{
    "Email": "user@mail.com",
    "Password": "P@ssw0rd",
    "ConfirmPassword": "P@ssw0rd"
}
```

Exist email will lead to 400 Bad Request.



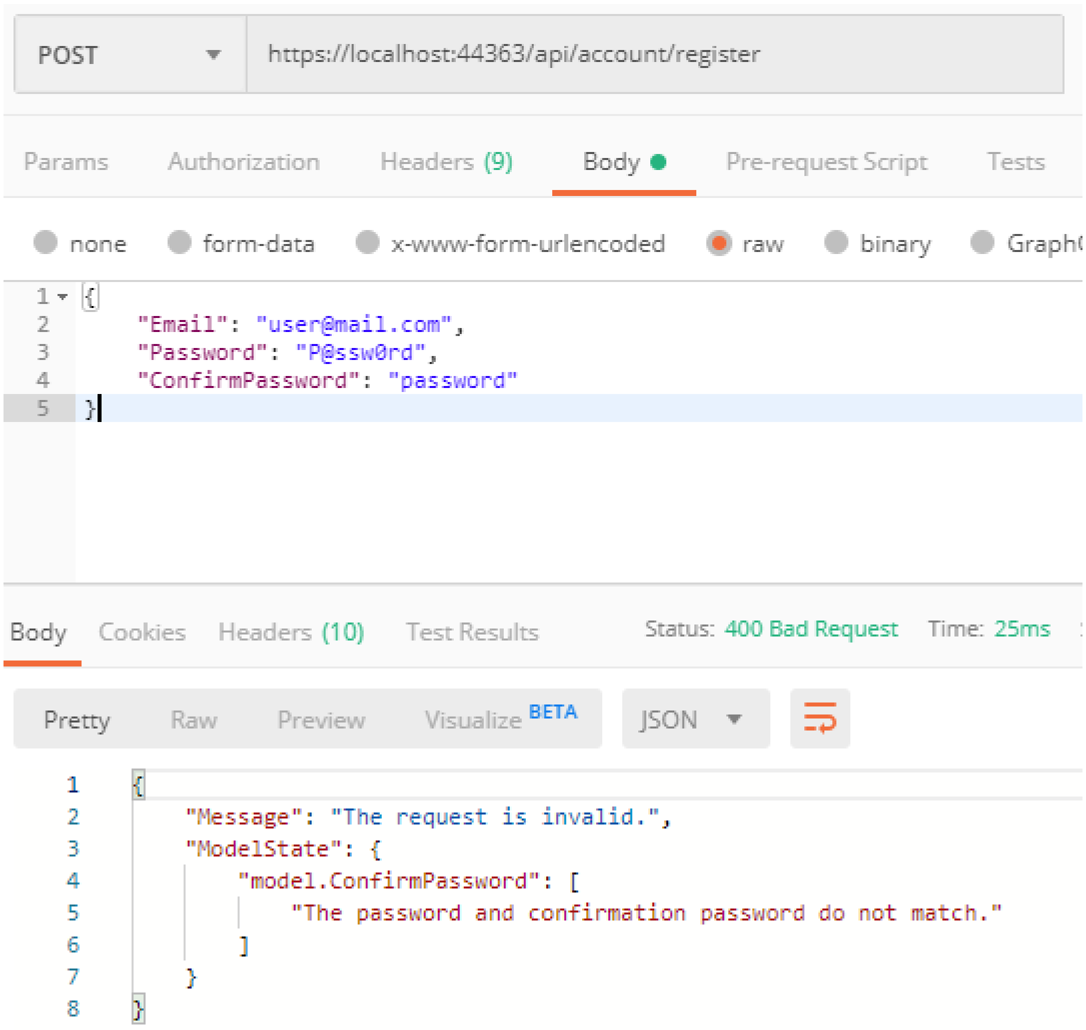
https://localhost:44363/api/account/register

```
{
    "Email": "user@mail.com",
    "Password": "P@ssw0rd",
    "ConfirmPassword": "P@ssw0rd"
}
```

Status: 400 Bad Request

```
{
    "Message": "The request is invalid.",
    "ModelState": {
        "": [
            "Name user@mail.com is already taken.",
            "Email 'user@mail.com' is already taken."
        ]
    }
}
```

Fail model validation will lead to 400 Bad Request.



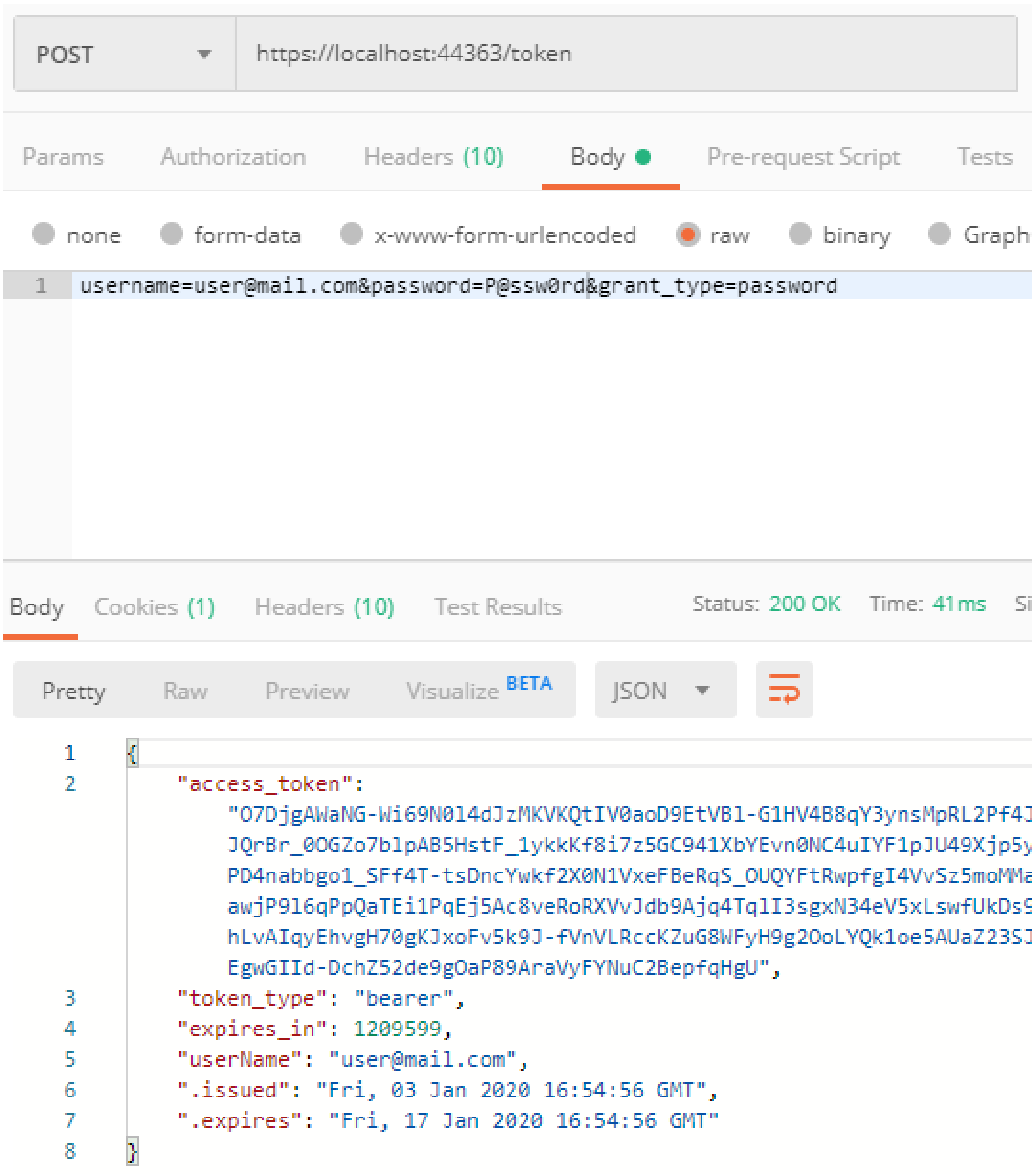
```
{
    "Email": "user@mail.com",
    "Password": "P@ssw0rd",
    "ConfirmPassword": "password"
}
```

```
{
    "Message": "The request is invalid.",
    "ModelState": {
        "model.ConfirmPassword": [
            "The password and confirmation password do not match."
        ]
    }
}
```

POST: token

Link: https://localhost:44363/token

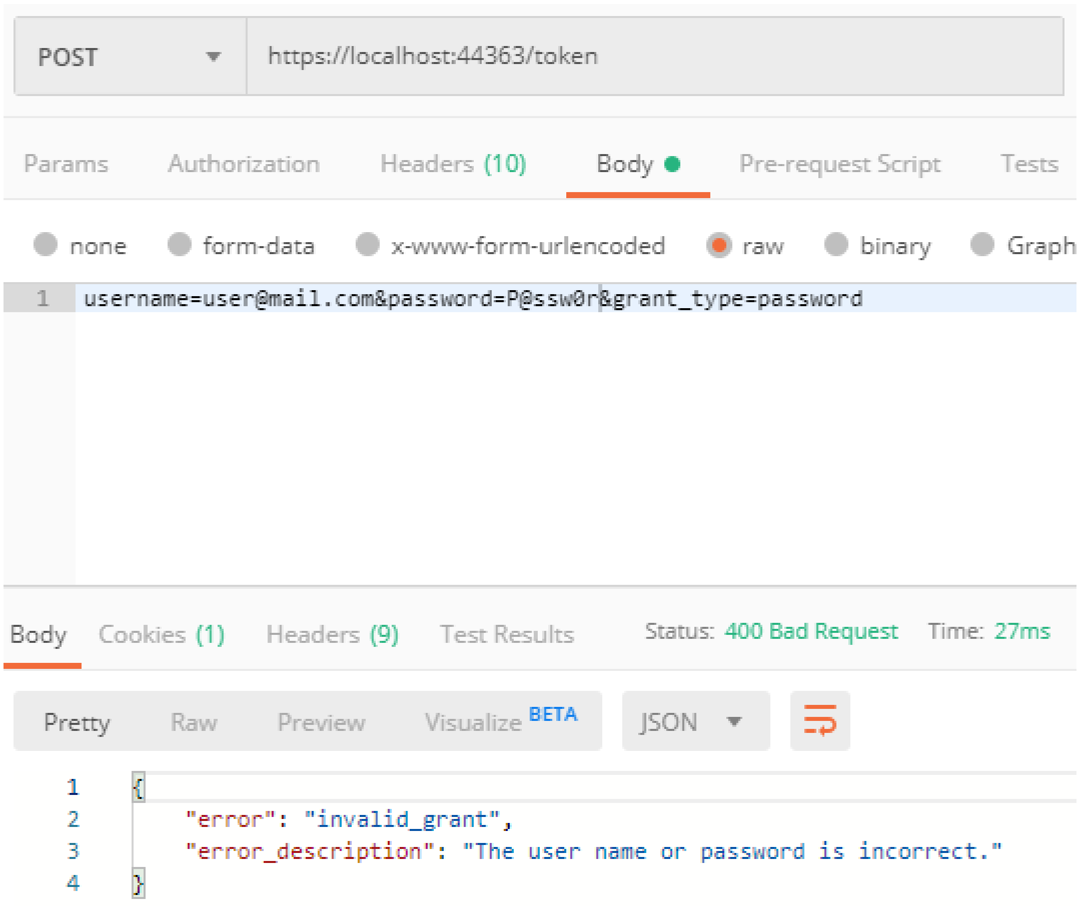
Get token for API which need authorization by posting email and password. (Email is set as a ClaimType in the token)



```
username=user@mail.com&password=P@ssw0rd&grant_type=password
```

```
{
    "access_token":
        "O7DjgAWaNG-Wi69N014dJzMKVKQtIV0aoD9EtVB1-G1HV4B8qY3ynsMpRL2Pf4J
        JQrBr_0OGZo7blpAB5HstF_1ykkKf8i7z5GC941XbYEvn0NC4uIYF1pJU49Xjp5y
        PD4nabbgo1_SFf4T-tsDncYwkf2X0N1VxeFBeRqS_OUQYFtRwpfgI4VvSz5moMMa
        awjP916qPpQaTEi1PqEj5Ac8veRoRXVvJdb9Ajq4Tq1I3sgxN34eV5xLswfUkDs9
        hLvAIqyEhvgH70gKJxoFv5k9J-fVnVLRccKZuG8WFyH9g2OoLYQk1oe5AUaZ23SJ
        EgwGIId-DchZ52de9gOaP89AraVyFYNuC2BepfqHgU",
    "token_type": "bearer",
    "expires_in": 1209599,
    "userName": "user@mail.com",
    ".issued": "Fri, 03 Jan 2020 16:54:56 GMT",
    ".expires": "Fri, 17 Jan 2020 16:54:56 GMT"
}
```

Email that does not exist or incorrect password will lead to 400 Bad Request.



```
username=user@mail.com&password=P@ssw0r&grant_type=password
```

Status: 400 Bad Request Time: 27ms

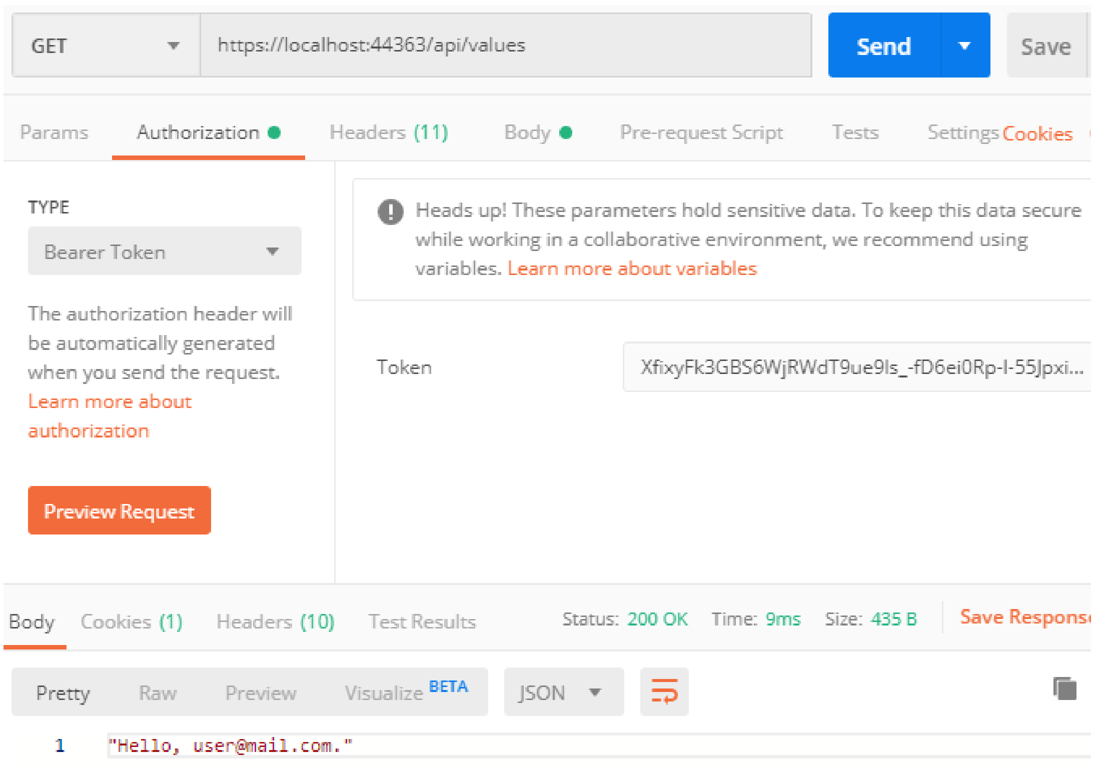
```
{
    "error": "invalid_grant",
    "error_description": "The user name or password is incorrect."
}
```

GET: api/values

Link: https://localhost:44363/api/values

(Requires Bearer token)

Get request with bearer token. (Email is derived from a ClaimType in the token)



The authorization header will be automatically generated when you send the request. Learn more about authorization

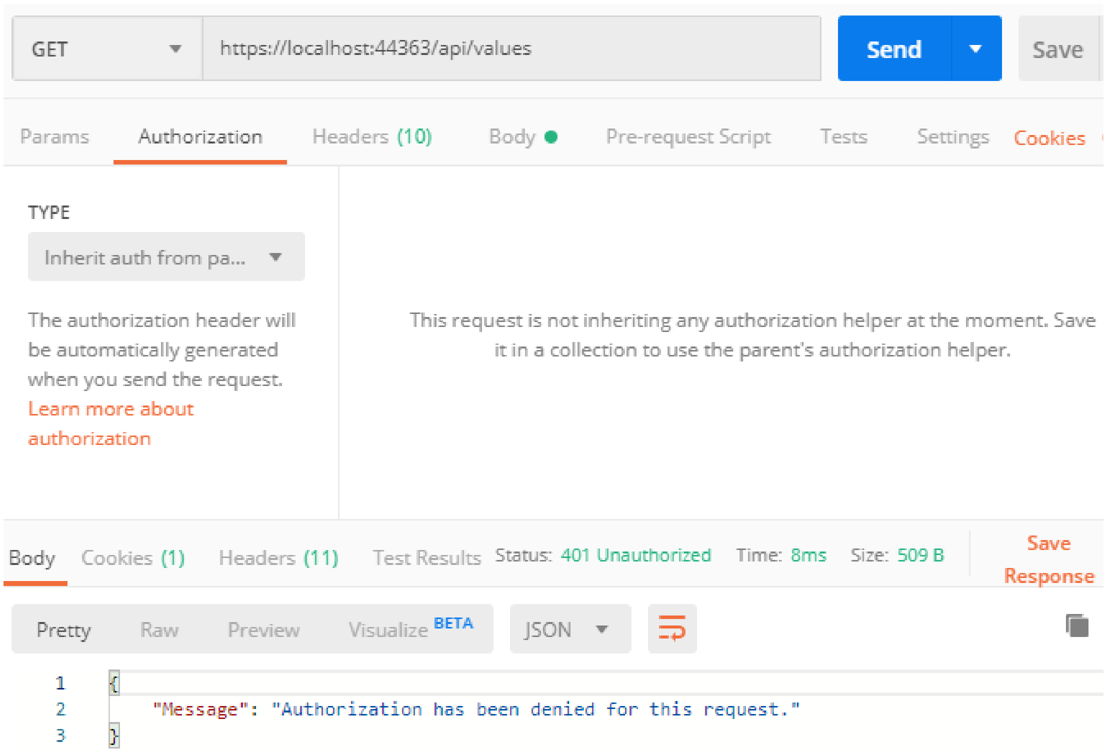
Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about variables

Token XfixyFk3GBS6WjRWdT9ue9ls_-fD6ei0Rp-l-55Jpxi...

Status: 200 OK Time: 9ms Size: 435 B

```
"Hello, user@mail.com."
```

Get request without bearer token will lead to 403 Unauthorized .



The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

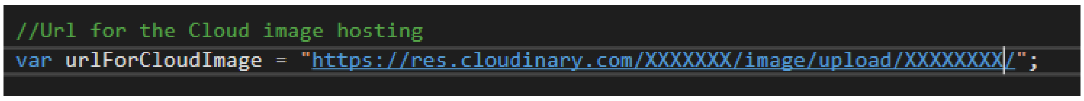
Status: 401 Unauthorized Time: 8ms Size: 509 B

```
{
    "Message": "Authorization has been denied for this request."
}
```

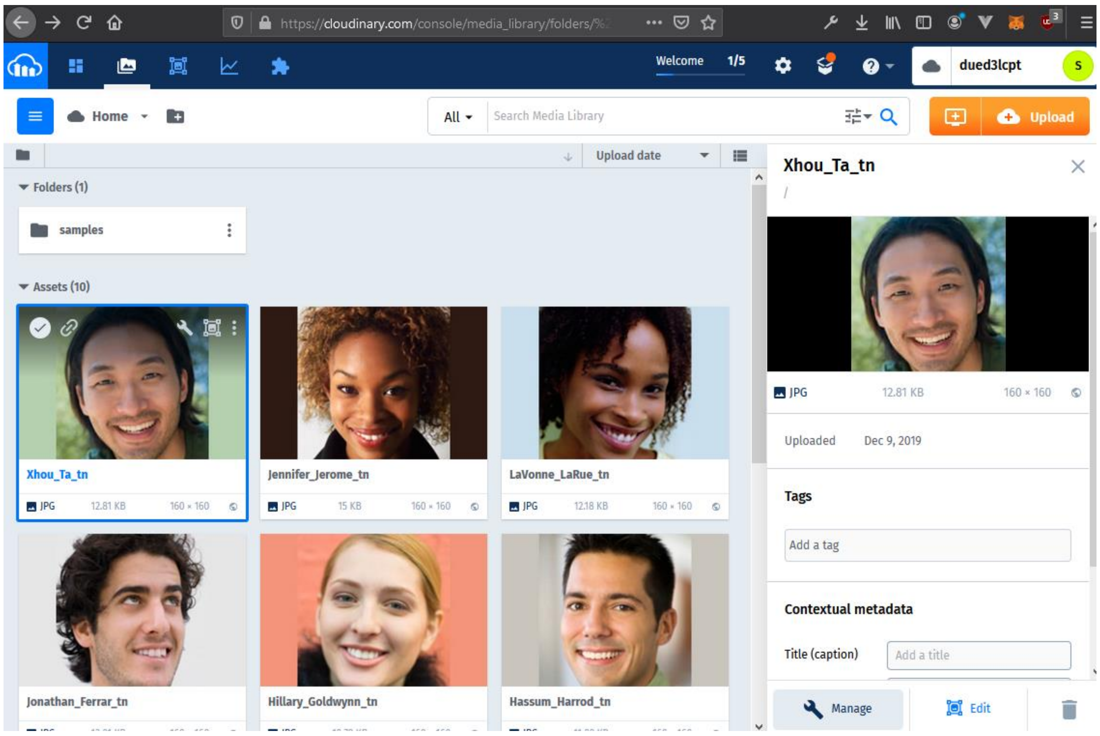
Task 4

Browser

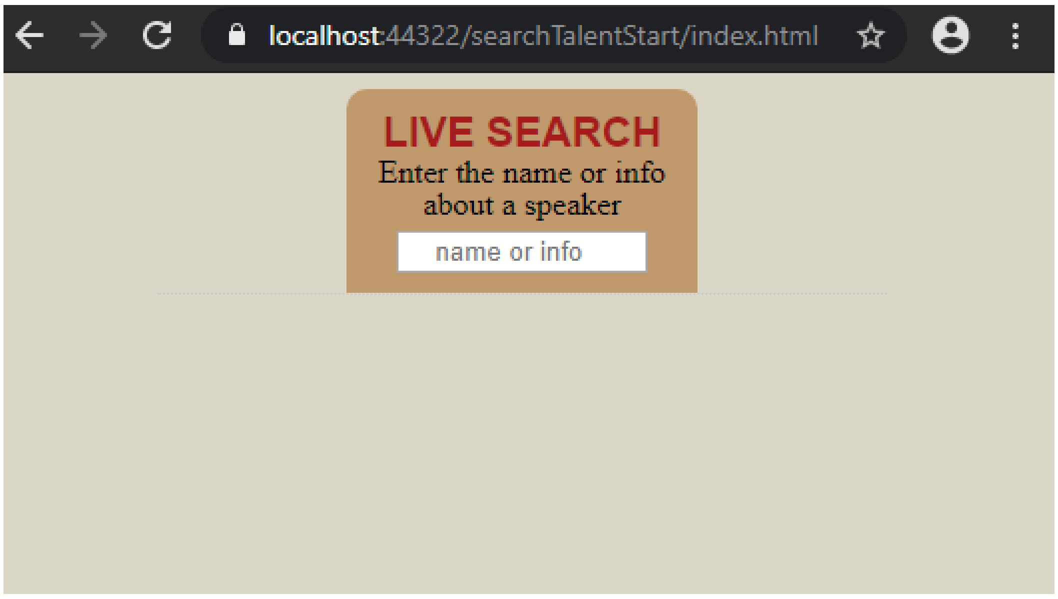
Assign your link in searchTalentStart/script.js from the Cloudinary media library https://cloudinary.com/ .



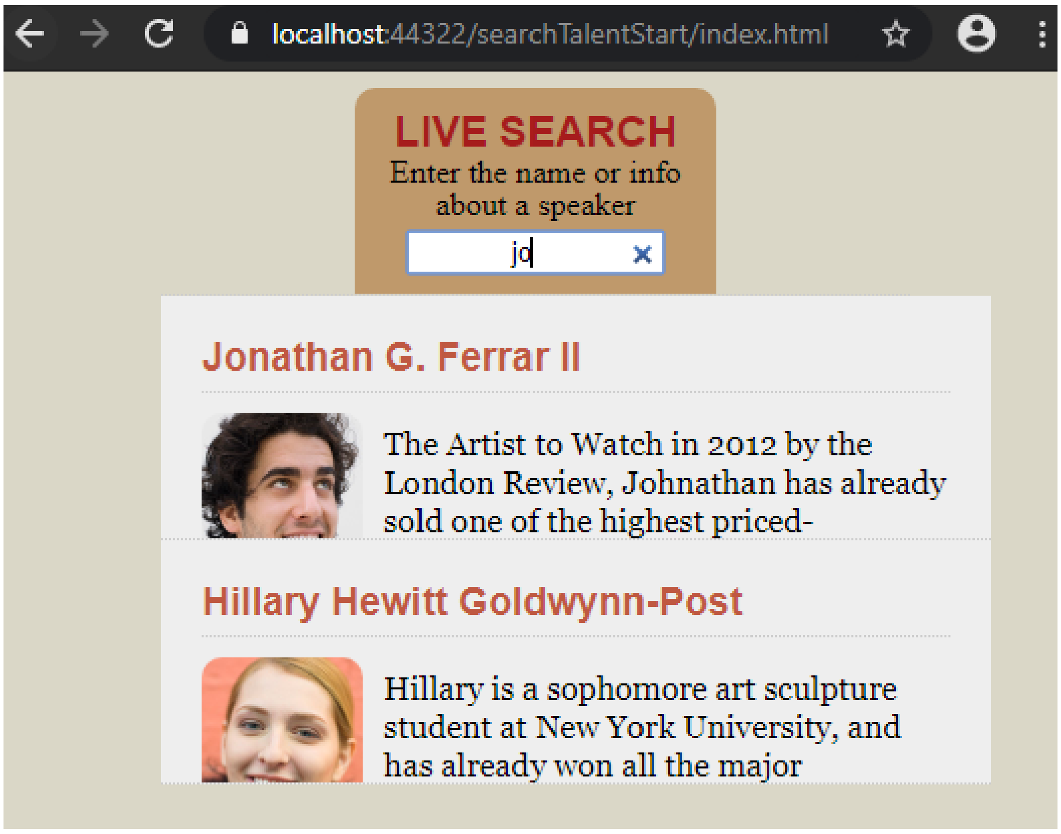
```
//Url for the Cloud image hosting
var urlForCloudImage = "https://res.cloudinary.com/XXXXXXX/image/upload/XXXXXXXX/";
```



Debug run the application and you will see the following page on load.


localhost:44322/searchTalentStart/index.html
LIVE SEARCH
Enter the name or info about a speaker
name or info

You can search by typing the name.


localhost:44322/searchTalentStart/index.html
LIVE SEARCH
Enter the name or info about a speaker
jo

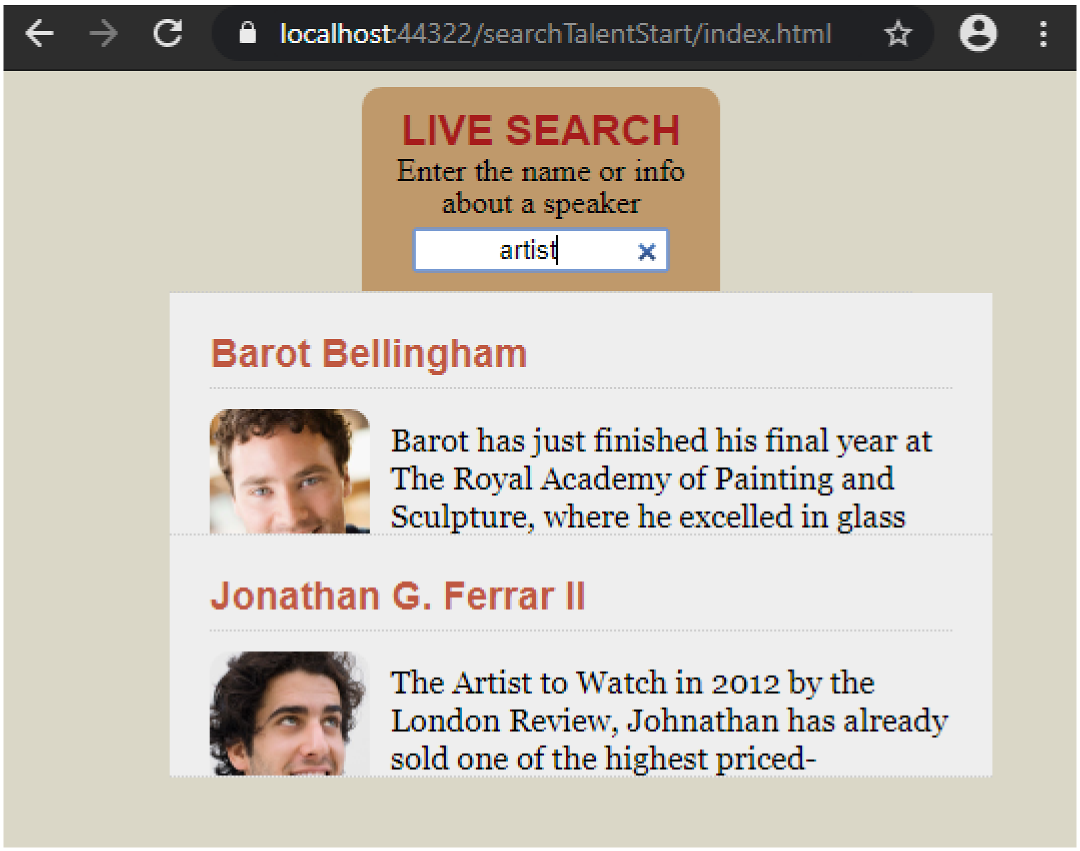
Jonathan G. Ferrar II

The Artist to Watch in 2012 by the London Review, Johnathan has already sold one of the highest priced-

Hillary Hewitt Goldwynn-Post

Hillary is a sophomore art sculpture student at New York University, and has already won all the major

You can also search by typing the info.



localhost:44322/searchTalentStart/index.html

LIVE SEARCH
Enter the name or info about a speaker

artist

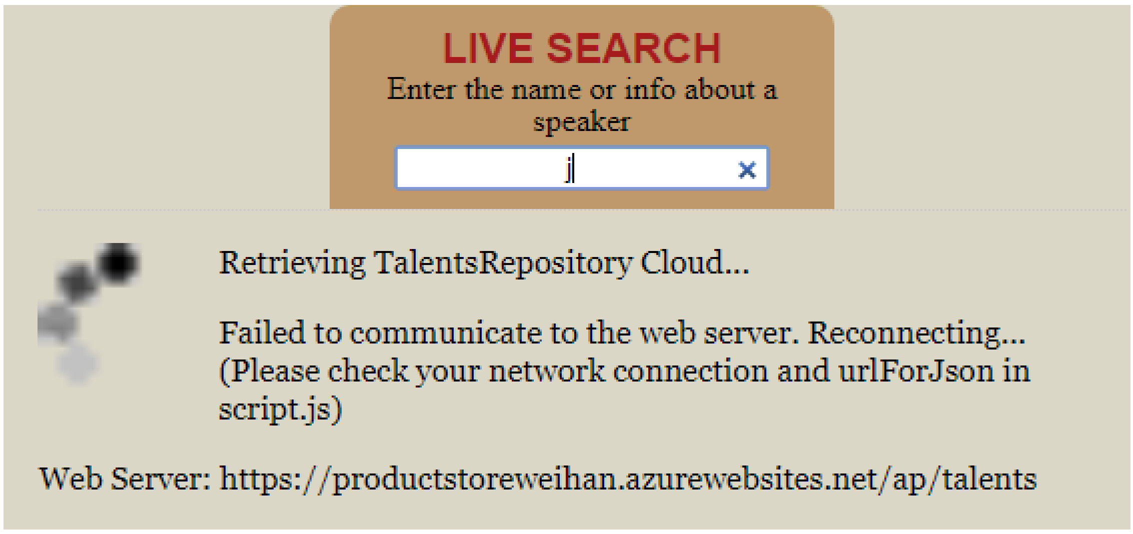
Barot Bellingham

Barot has just finished his final year at The Royal Academy of Painting and Sculpture, where he excelled in glass

Jonathan G. Ferrar II

The Artist to Watch in 2012 by the London Review, Johnathan has already sold one of the highest priced-

In the case of error, client will reconnect and prompt to check.



LIVE SEARCH
Enter the name or info about a speaker

j

Retrieving TalentsRepository Cloud...

Failed to communicate to the web server. Reconnecting... (Please check your network connection and urlForJson in script.js)

Web Server: https://productstoreweihan.azurewebsites.net/ap/talents

Postman

Localhost:

https://localhost:44322/

Cloud Host:

https://productstoreweihan.azurewebsites.net

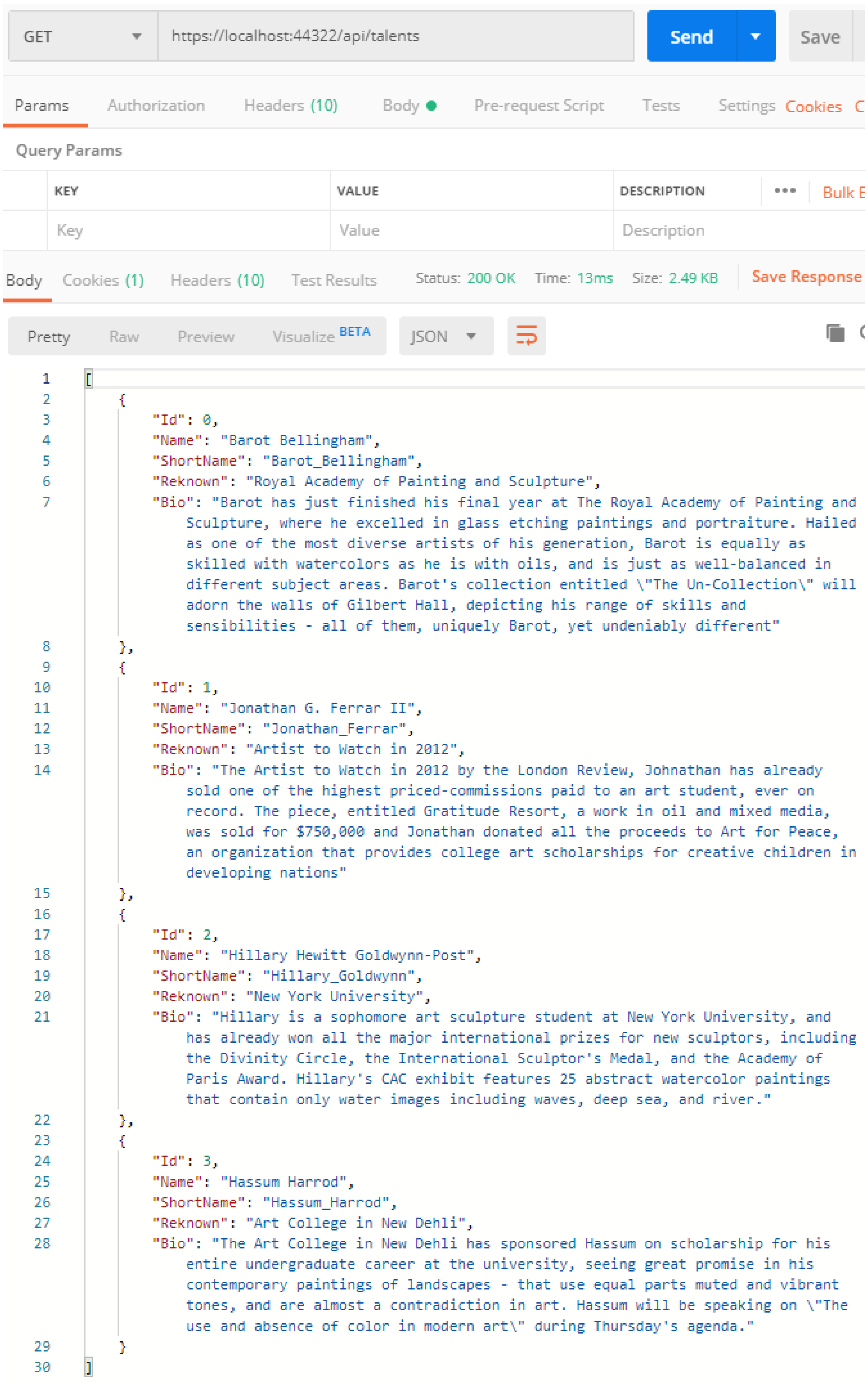
APIs:

Type	API Route
GET	api/talents
GET	api/talents/{**id**}

GET: api/talents

Link: https://localhost:44322/api/talents

Get all talents



https://localhost:44322/api/talents

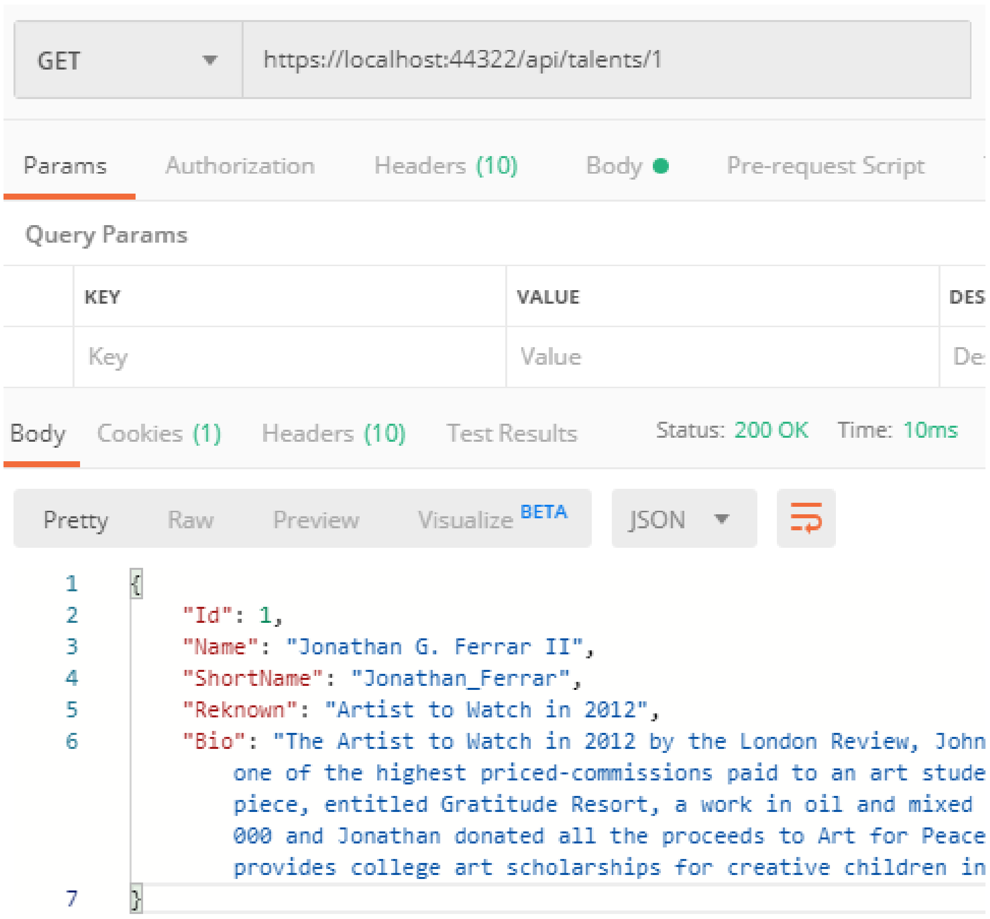
Status: 200 OK Time: 13ms Size: 2.49 KB

```
[
    {
        "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."
    }
]
```

GET: api/talents/{**id**}

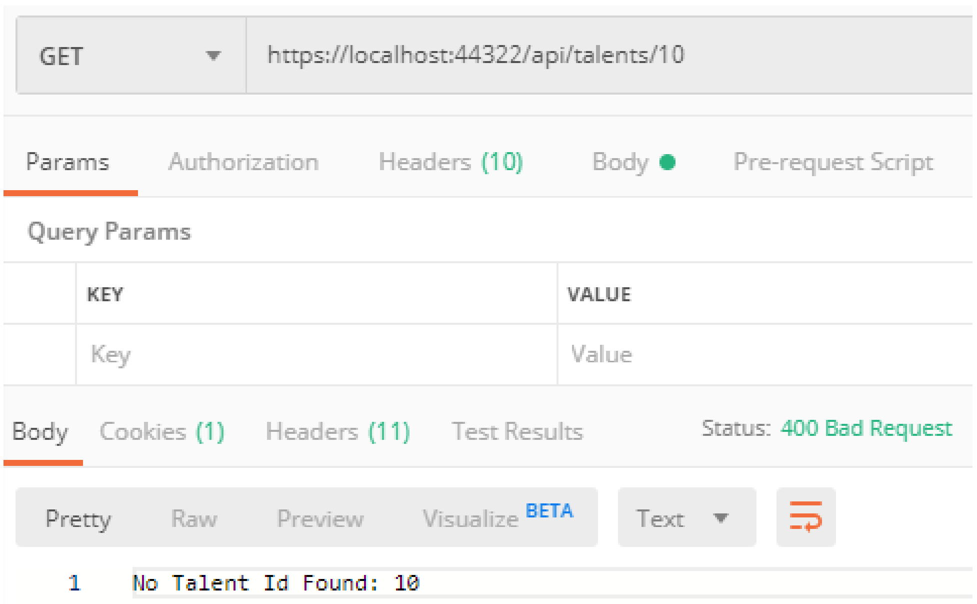
Link: https://localhost:44322/api/talents/1

Get talent based on Id. (Available Id between 0 to 3)



```
{
    "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, John
        one of the highest priced-commissions paid to an art stude
        piece, entitled Gratitude Resort, a work in oil and mixed
        000 and Jonathan donated all the proceeds to Art for Peace
        provides college art scholarships for creative children in
}
```

Providing invalid id will lead to 400 Bad Request

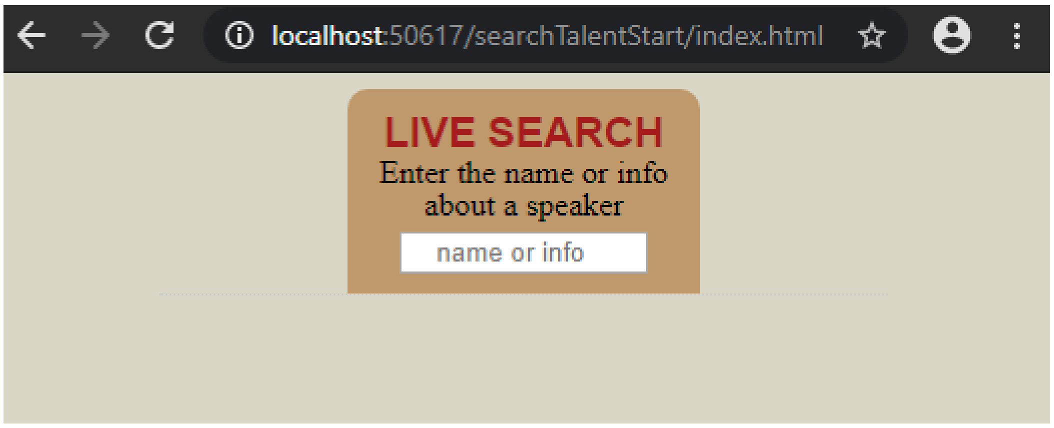


```
No Talent Id Found: 10
```

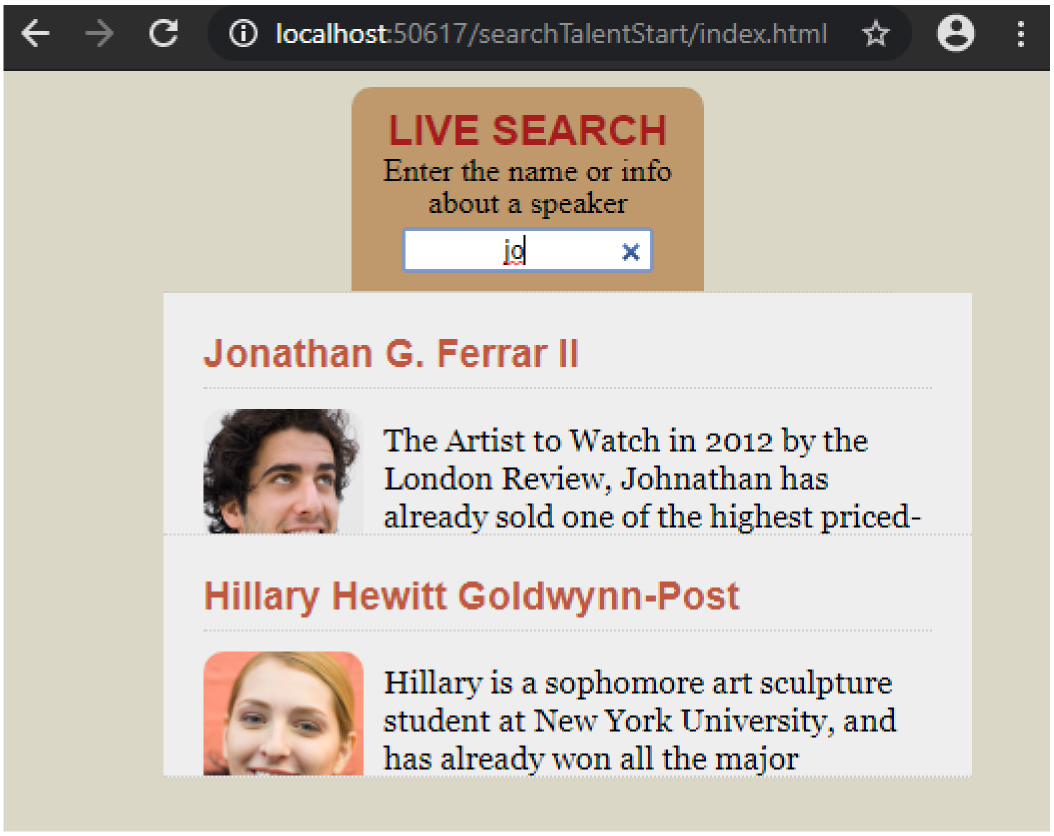
Task 5

Browser

Debug run the application and you will see the following page on load.


localhost:50617/searchTalentStart/index.html
LIVE SEARCH
Enter the name or info about a speaker
name or info

You can search by typing the name.


localhost:50617/searchTalentStart/index.html
LIVE SEARCH
Enter the name or info about a speaker
jo

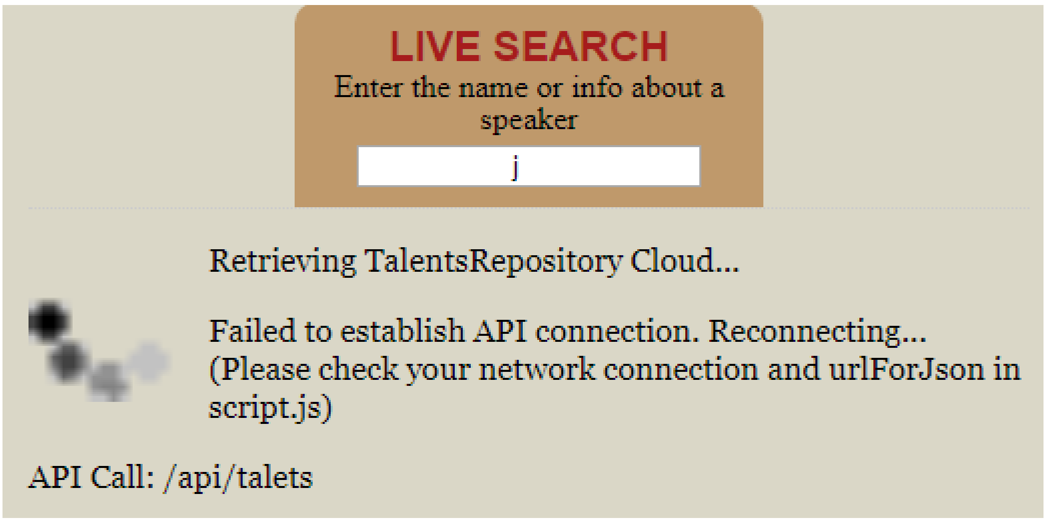
Jonathan G. Ferrar II

The Artist to Watch in 2012 by the London Review, Johnathan has already sold one of the highest priced-

Hillary Hewitt Goldwynn-Post

Hillary is a sophomore art sculpture student at New York University, and has already won all the major

In the case of error, client will reconnect and prompt to check.

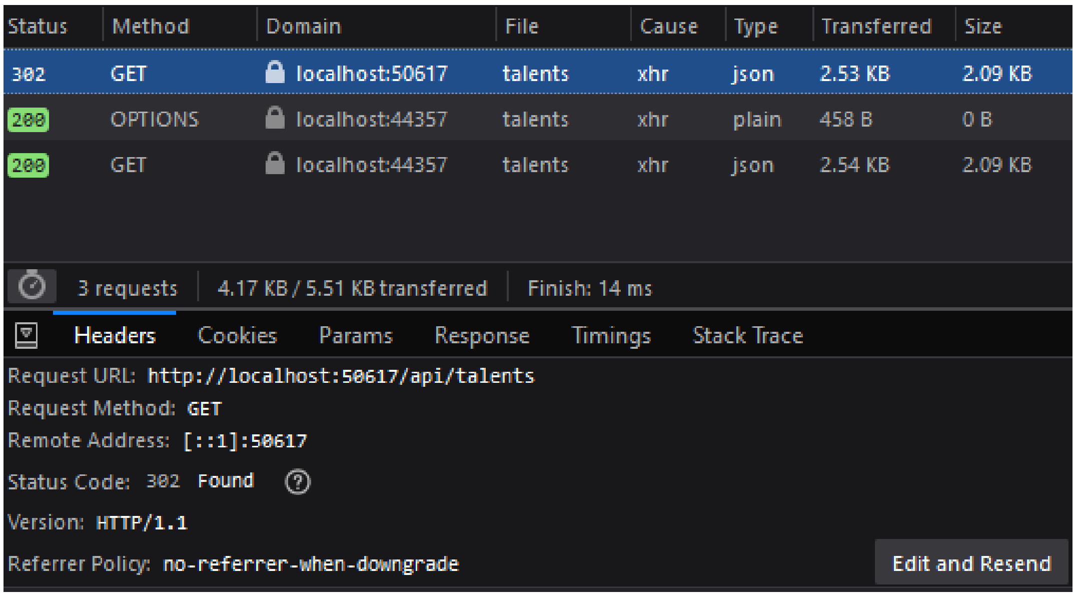


Retrieving TalentsRepository Cloud...

Failed to establish API connection. Reconnecting...
(Please check your network connection and urlForJson in script.js)

API Call: /api/talets

Using the browser console, we can see that https is used for data in transit.



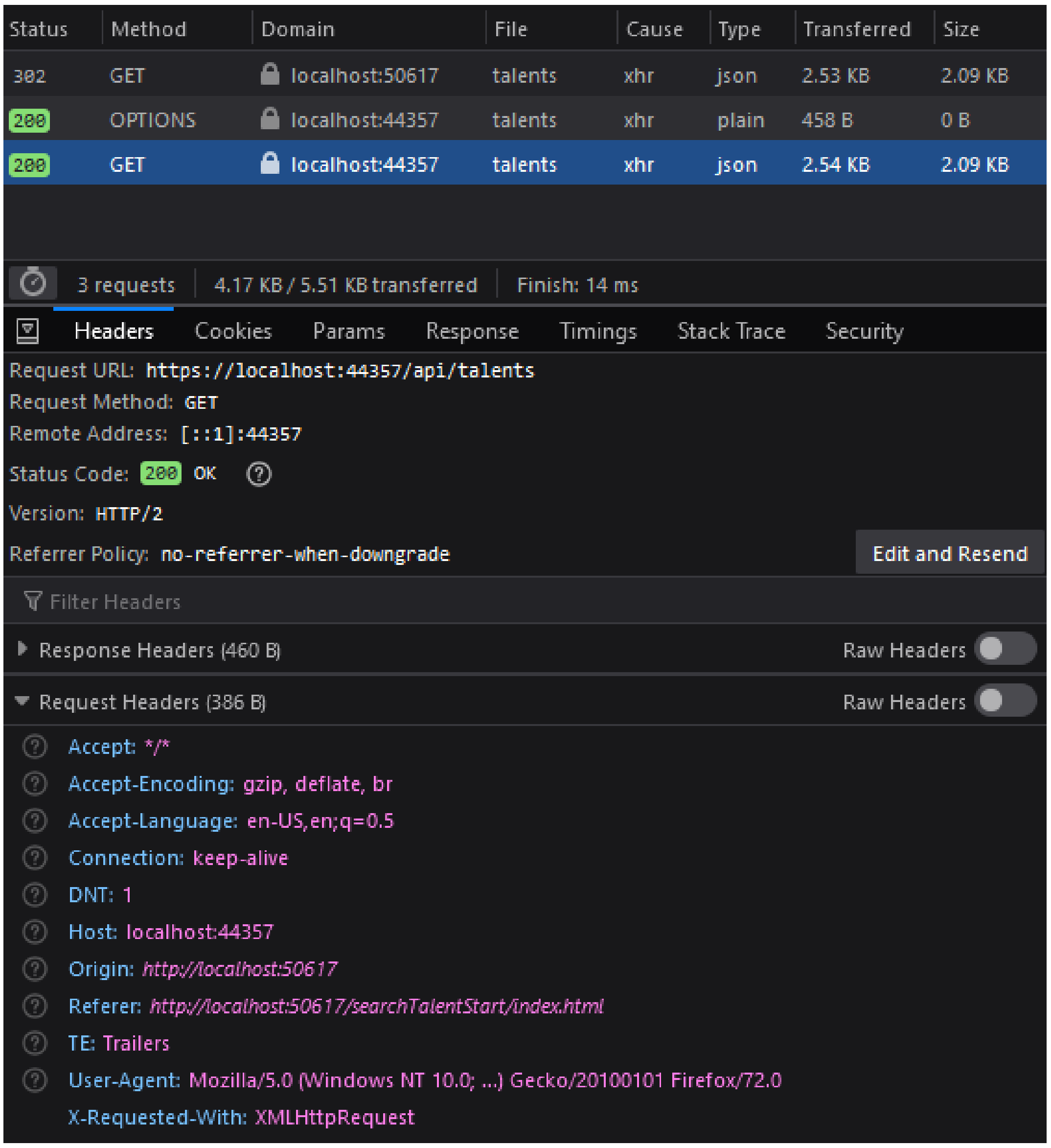
Status	Method	Domain	File	Cause	Type	Transferred	Size
302	GET	localhost:50617	talents	xhr	json	2.53 KB	2.09 KB
200	OPTIONS	localhost:44357	talents	xhr	plain	458 B	0 B
200	GET	localhost:44357	talents	xhr	json	2.54 KB	2.09 KB

3 requests | 4.17 KB / 5.51 KB transferred | Finish: 14 ms

Headers Cookies Params Response Timings Stack Trace

```
Request URL: http://localhost:50617/api/talents
Request Method: GET
Remote Address: [::1]:50617
Status Code: 302 Found
Version: HTTP/1.1
Referrer Policy: no-referrer-when-downgrade
```

Edit and Resend



Status	Method	Domain	File	Cause	Type	Transferred	Size
302	GET	localhost:50617	talents	xhr	json	2.53 KB	2.09 KB
200	OPTIONS	localhost:44357	talents	xhr	plain	458 B	0 B
200	GET	localhost:44357	talents	xhr	json	2.54 KB	2.09 KB

3 requests | 4.17 KB / 5.51 KB transferred | Finish: 14 ms

Headers Cookies Params Response Timings Stack Trace Security

```
Request URL: https://localhost:44357/api/talents
Request Method: GET
Remote Address: [::1]:44357
Status Code: 200 OK
Version: HTTP/2
Referrer Policy: no-referrer-when-downgrade
```

Edit and Resend

Filter Headers

Response Headers (460 B) Raw Headers

Request Headers (386 B) Raw Headers

```
Accept: */*
Accept-Encoding: gzip, deflate, br
Accept-Language: en-US,en;q=0.5
Connection: keep-alive
DNT: 1
Host: localhost:44357
Origin: http://localhost:50617
Referer: http://localhost:50617/searchTalentStart/index.html
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/72.0
X-Requested-With: XMLHttpRequest
```

Fiddler (Postman)

Localhost:

http://localhost:50617/

https://localhost:44357/

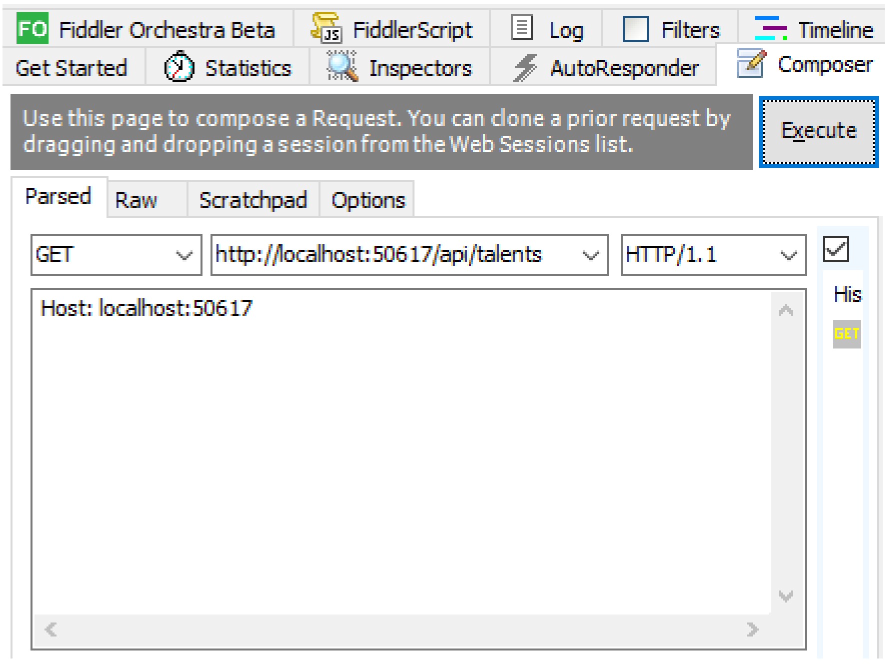
APIs:

Type	API Route
GET	api/talents
GET	api/talents/{**id**}

GET: api/talents

Link: http://localhost:50617/api/talents

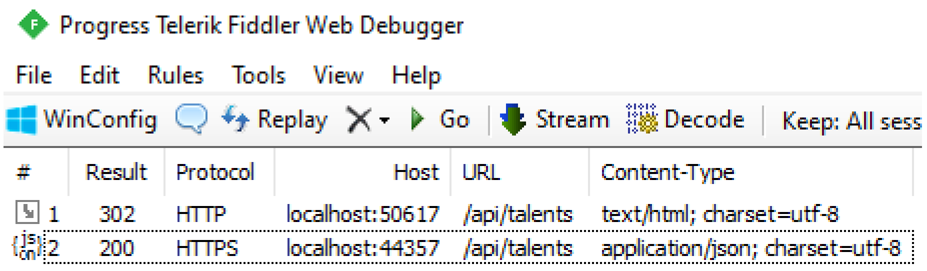
Get all talents using http will result a redirect to https



Use this page to compose a Request. You can clone a prior request by dragging and dropping a session from the Web Sessions list.

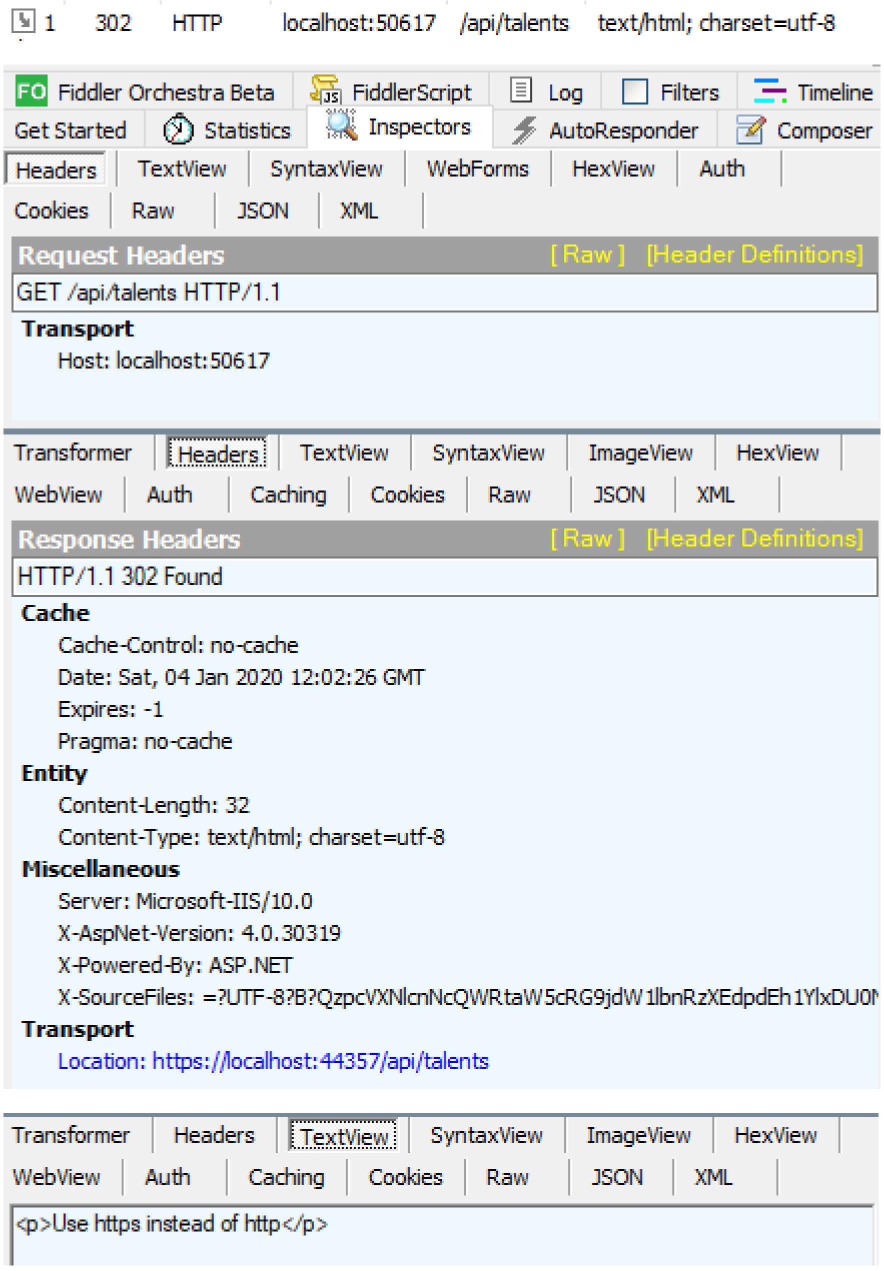
GET | http://localhost:50617/api/talents | HTTP/1.1

Host: localhost:50617



#	Result	Protocol	Host	URL	Content-Type
1	302	HTTP	localhost:50617	/api/talents	text/html; charset=utf-8
2	200	HTTPS	localhost:44357	/api/talents	application/json; charset=utf-8

1. Header shows transport to https://localhost:44357 with response 302 Found.



```
1    302    HTTP    localhost:50617    /api/talents    text/html; charset=utf-8
```

Request Headers [Raw] [Header Definitions]

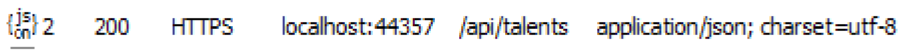
```
GET /api/talents HTTP/1.1
Transport
    Host: localhost:50617
```

Response Headers [Raw] [Header Definitions]

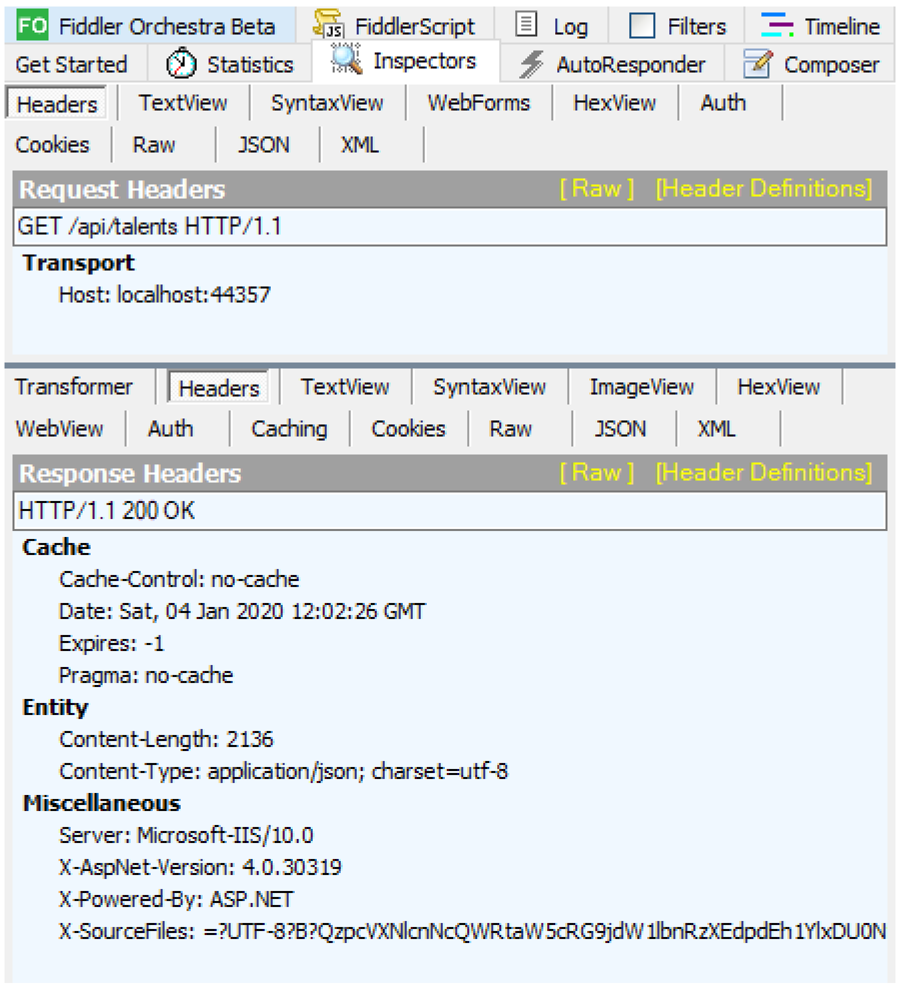
```
HTTP/1.1 302 Found
Cache
    Cache-Control: no-cache
    Date: Sat, 04 Jan 2020 12:02:26 GMT
    Expires: -1
    Pragma: no-cache
Entity
    Content-Length: 32
    Content-Type: text/html; charset=utf-8
Miscellaneous
    Server: Microsoft-IIS/10.0
    X-AspNet-Version: 4.0.30319
    X-Powered-By: ASP.NET
    X-SourceFiles: =?UTF-8?B?QzpcVXNlcnNcQWRtaW5cRG9jdW1lbnRzXEdpdEh1YlxDU0
Transport
    Location: https://localhost:44357/api/talents
```

```
<p>Use https instead of http</p>
```

2. JSON can be view using https://localhost:44357 with response 200 OK.



```
2    200    HTTPS    localhost:44357    /api/talents    application/json; charset=utf-8
```

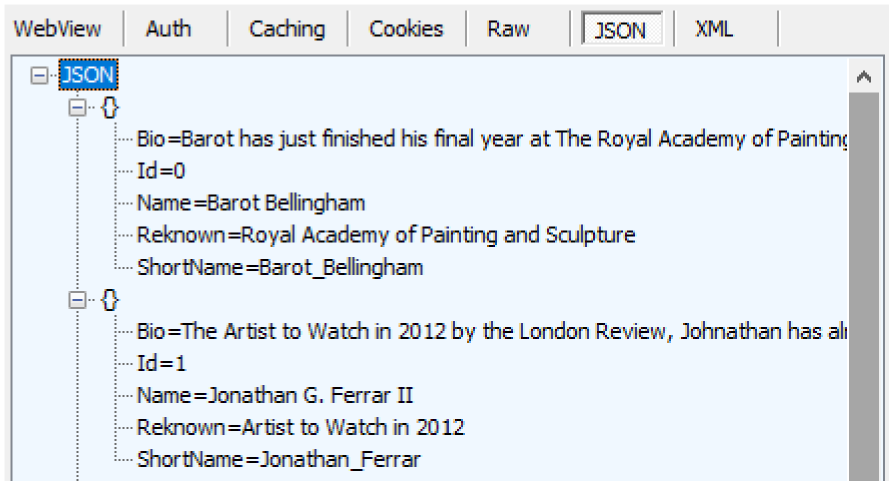


Request Headers [Raw] [Header Definitions]

```
GET /api/talents HTTP/1.1
Transport
    Host: localhost:44357
```

Response Headers [Raw] [Header Definitions]

```
HTTP/1.1 200 OK
Cache
    Cache-Control: no-cache
    Date: Sat, 04 Jan 2020 12:02:26 GMT
    Expires: -1
    Pragma: no-cache
Entity
    Content-Length: 2136
    Content-Type: application/json; charset=utf-8
Miscellaneous
    Server: Microsoft-IIS/10.0
    X-AspNet-Version: 4.0.30319
    X-Powered-By: ASP.NET
    X-SourceFiles: =?UTF-8?B?QzpcVXNlcnNcQWRtaW5cRG9jdW1lbnRzXEdpdEh1YlxDU0N
```

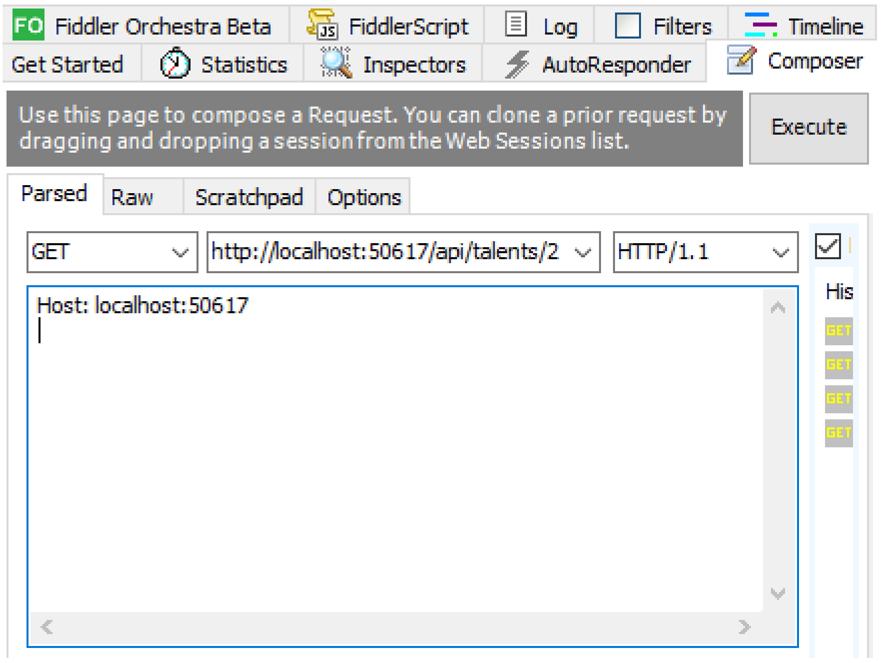


```
JSON
  {}
    Bio=Barot has just finished his final year at The Royal Academy of Paintinį
    Id=0
    Name=Barot Bellingham
    Reknown=Royal Academy of Painting and Sculpture
    ShortName=Barot_Bellingham
  {}
    Bio=The Artist to Watch in 2012 by the London Review, Johnathan has alı
    Id=1
    Name=Jonathan G. Ferrar II
    Reknown=Artist to Watch in 2012
    ShortName=Jonathan_Ferrar
```

GET: api/talents/{**id**}

Link: http://localhost:50617/api/talents/2

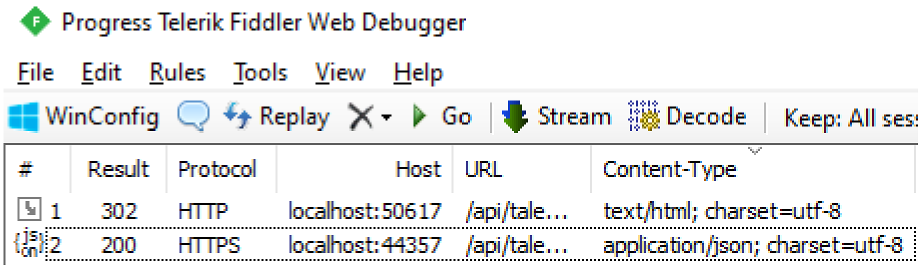
Get talent using http will result a redirect to https. (Available Id between 0 to 3)



Use this page to compose a Request. You can clone a prior request by dragging and dropping a session from the Web Sessions list.

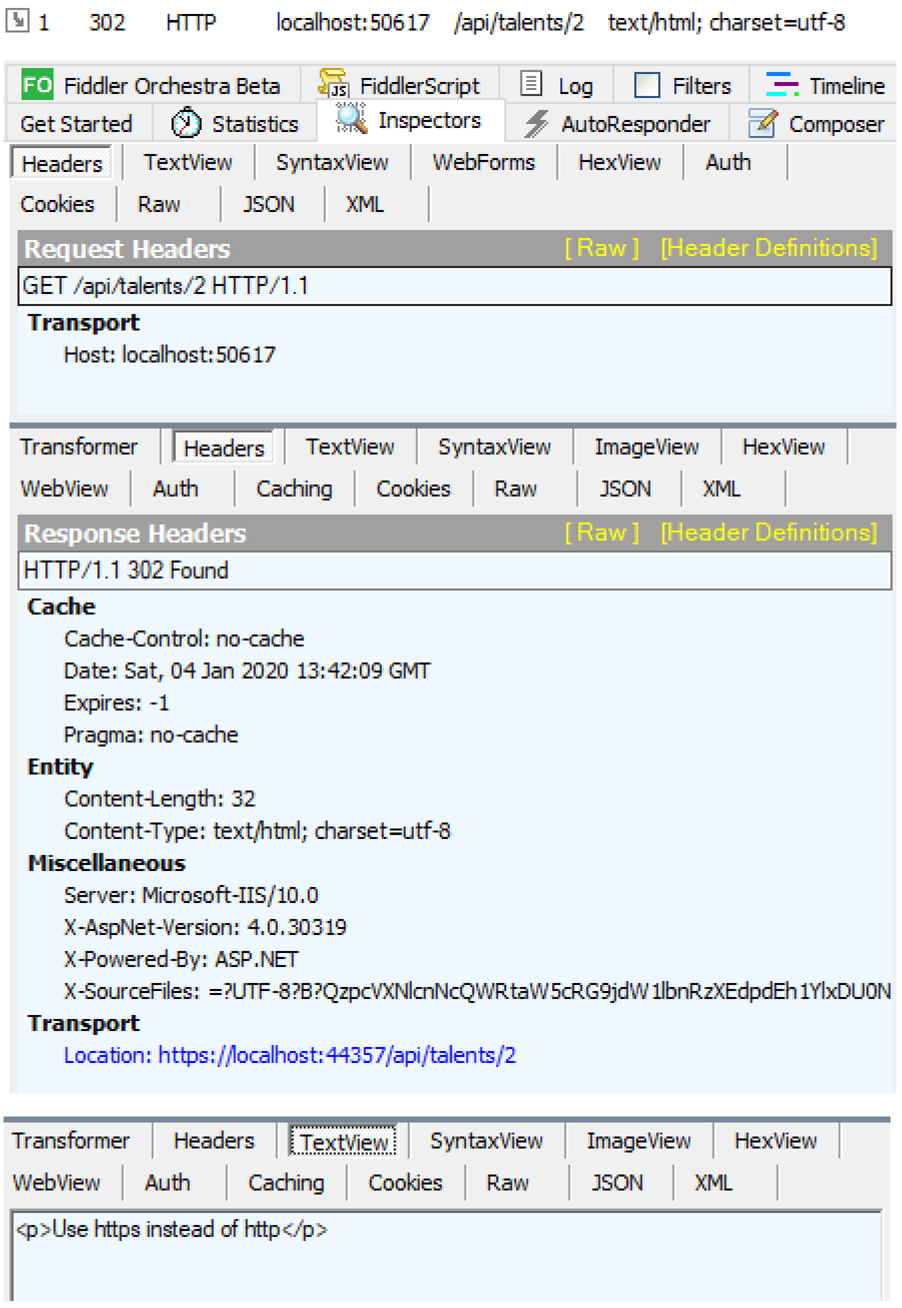
GET | http://localhost:50617/api/talents/2 | HTTP/1.1

```
Host: localhost:50617
```


Progress Telerik Fiddler Web Debugger
File Edit Rules Tools View Help
WinConfig
Replay
Go
Stream
Decode
Keep: All ses

#	Result	Protocol	Host	URL	Content-Type
1	302	HTTP	localhost:50617	/api/tale…	text/html; charset=utf-8
2	200	HTTPS	localhost:44357	/api/tale…	application/json; charset=utf-8

1. Header shows transport to https://localhost:44357 with response 302 Found.

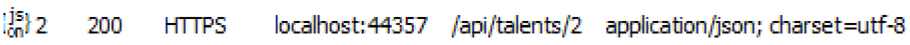

```
1    302    HTTP    localhost:50617    /api/talents/2    text/html; charset=utf-8
```

```
Request Headers                                [ Raw ]   [Header Definitions]
GET /api/talents/2 HTTP/1.1
Transport
    Host: localhost:50617
```

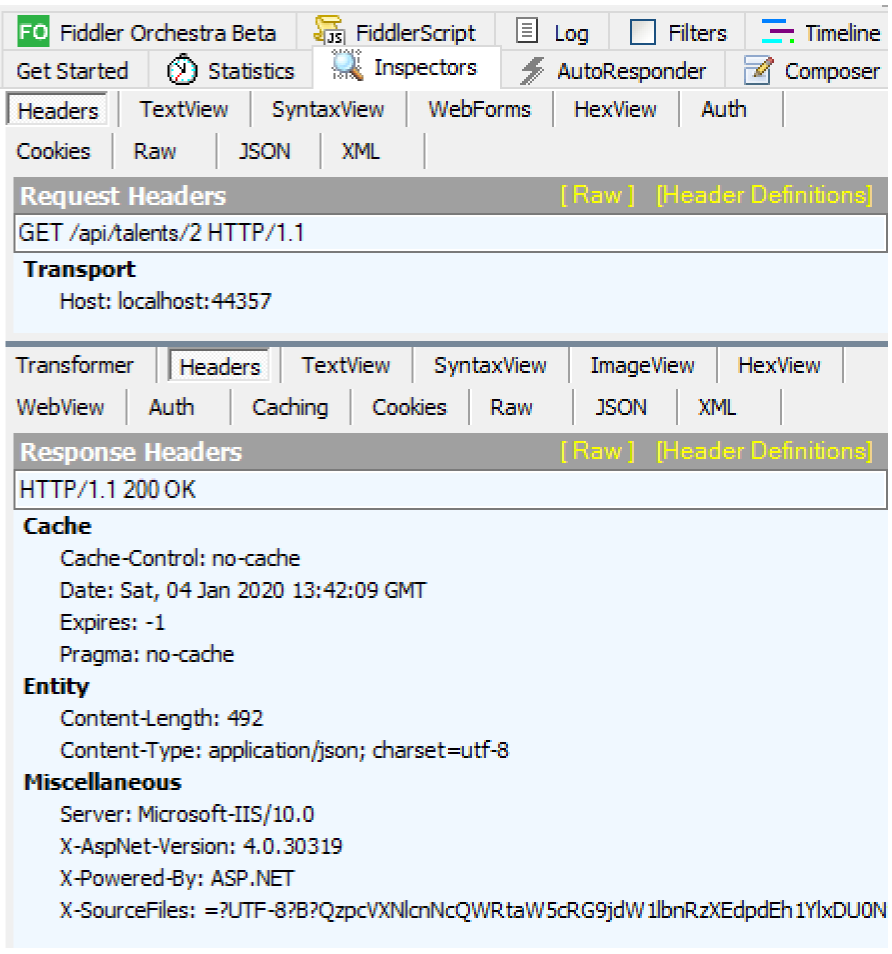
```
Response Headers                               [ Raw ]   [Header Definitions]
HTTP/1.1 302 Found
Cache
    Cache-Control: no-cache
    Date: Sat, 04 Jan 2020 13:42:09 GMT
    Expires: -1
    Pragma: no-cache
Entity
    Content-Length: 32
    Content-Type: text/html; charset=utf-8
Miscellaneous
    Server: Microsoft-IIS/10.0
    X-AspNet-Version: 4.0.30319
    X-Powered-By: ASP.NET
    X-SourceFiles: =?UTF-8?B?QzpcVXNlcnNcQWRtaW5cRG9jdW1lbnRzXEdpdEh1YlxDU0N
Transport
    Location: https://localhost:44357/api/talents/2
```

```
<p>Use https instead of http</p>
```

2. JSON can be view using https://localhost:44357 with response 200 OK.

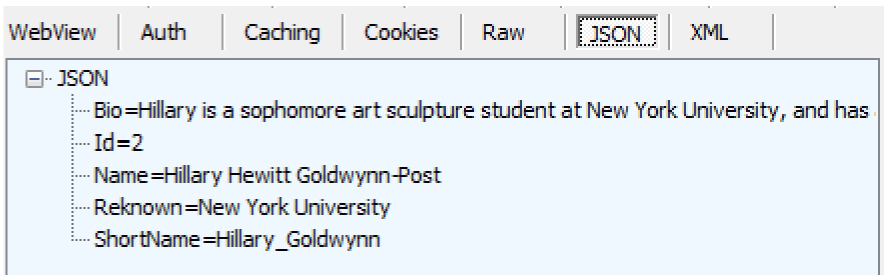


```
2    200    HTTPS    localhost:44357    /api/talents/2    application/json; charset=utf-8
```



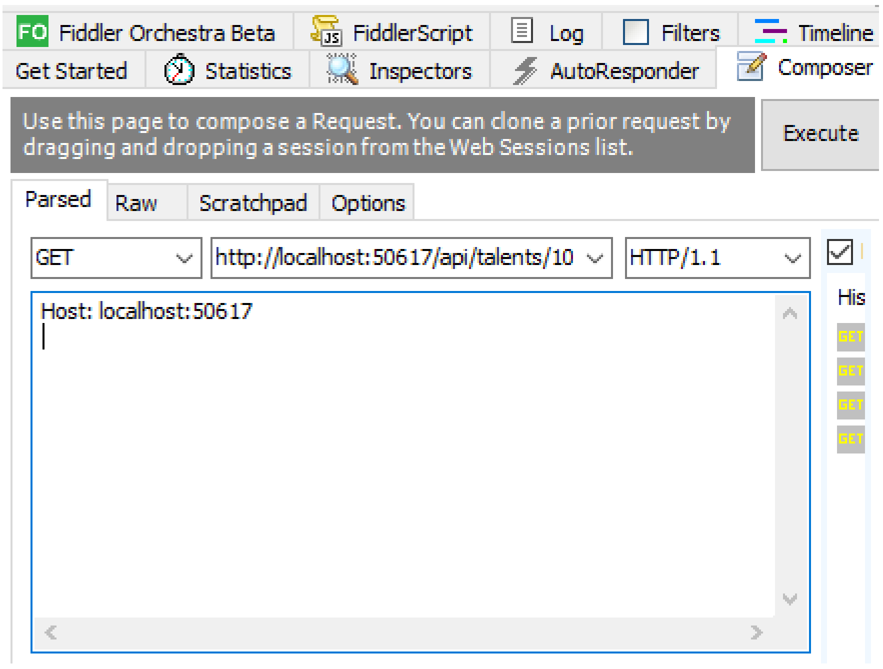
```
Request Headers                                   [ Raw ]  [Header Definitions]
GET /api/talents/2 HTTP/1.1
Transport
    Host: localhost:44357
```

```
Response Headers                                  [ Raw ]  [Header Definitions]
HTTP/1.1 200 OK
Cache
    Cache-Control: no-cache
    Date: Sat, 04 Jan 2020 13:42:09 GMT
    Expires: -1
    Pragma: no-cache
Entity
    Content-Length: 492
    Content-Type: application/json; charset=utf-8
Miscellaneous
    Server: Microsoft-IIS/10.0
    X-AspNet-Version: 4.0.30319
    X-Powered-By: ASP.NET
    X-SourceFiles: =?UTF-8?B?QzpcVXNlcnNcQWRtaW5cRG9jdW1lbnRzXEdpdEh1YlxDU0N
```

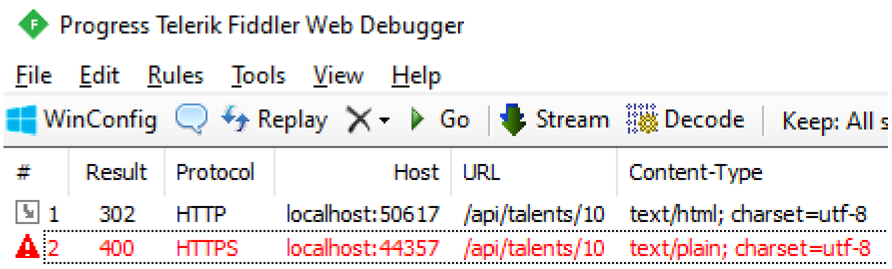


```
⊟ JSON
    Bio=Hillary is a sophomore art sculpture student at New York University, and has
    Id=2
    Name=Hillary Hewitt Goldwynn-Post
    Reknown=New York University
    ShortName=Hillary_Goldwynn
```

Entering invalid Talent id will still redirect to https but with 400 Bad Request.



```
GET    http://localhost:50617/api/talents/10    HTTP/1.1
Host: localhost:50617
```

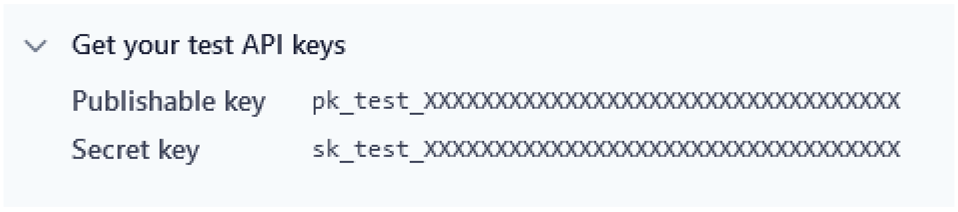


#	Result	Protocol	Host	URL	Content-Type
1	302	HTTP	localhost:50617	/api/talents/10	text/html; charset=utf-8
2	400	HTTPS	localhost:44357	/api/talents/10	text/plain; charset=utf-8

Task 6

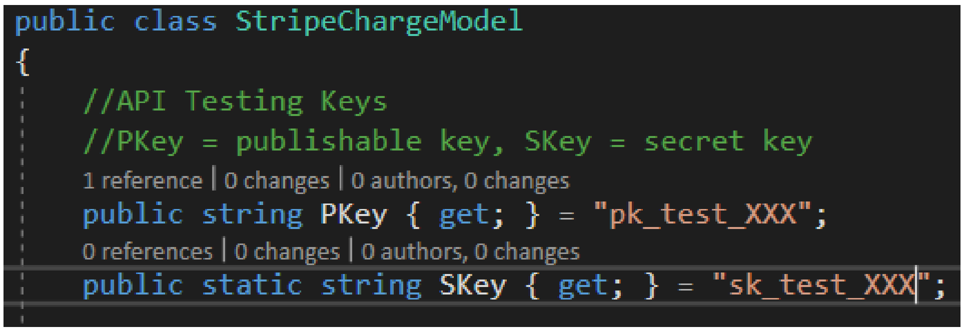
Browser

Insert your publishable key and secret key inside StripeChargeModel.cs from https://dashboard.stripe.com/test/dashboard .



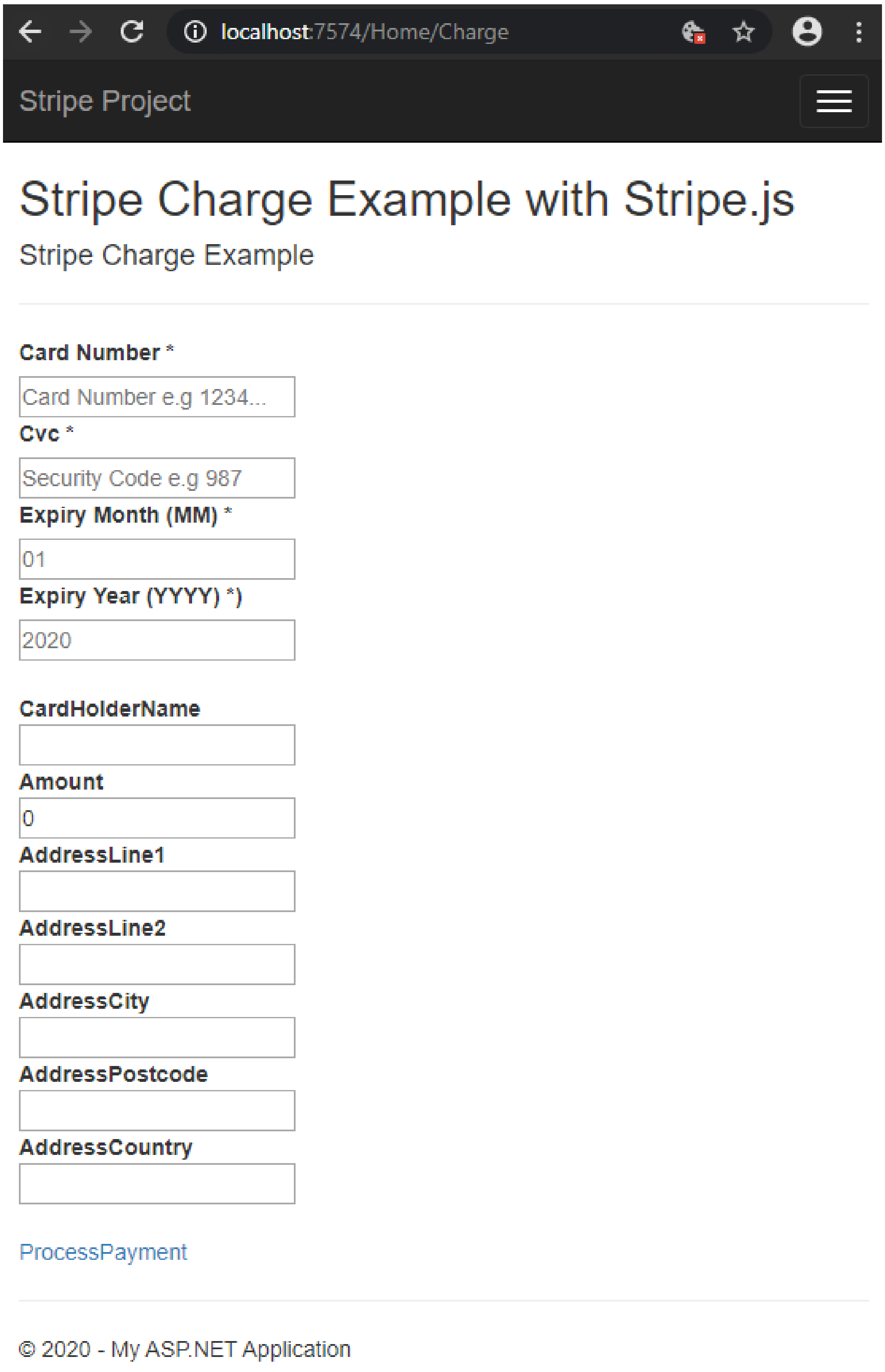
Get your test API keys

Publishable key	pk_test_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Secret key	sk_test_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX



```
public class StripeChargeModel
{
    //API Testing Keys
    //PKey = publishable key, SKey = secret key
    1 reference | 0 changes | 0 authors, 0 changes
    public string PKey { get; } = "pk_test_XXX";
    0 references | 0 changes | 0 authors, 0 changes
    public static string SKey { get; } = "sk_test_XXX";
```

Debug run the application and you will see the following page on load.


localhost:7574/Home/Charge

Stripe Project

Stripe Charge Example with Stripe.js

Stripe Charge Example

Card Number *	Card Number e.g 1234...
Cvc *	Security Code e.g 987
Expiry Month (MM) *	01
Expiry Year (YYYY) *)	2020
CardHolderName	
Amount	0
AddressLine1	
AddressLine2	
AddressCity	
AddressPostcode	
AddressCountry	

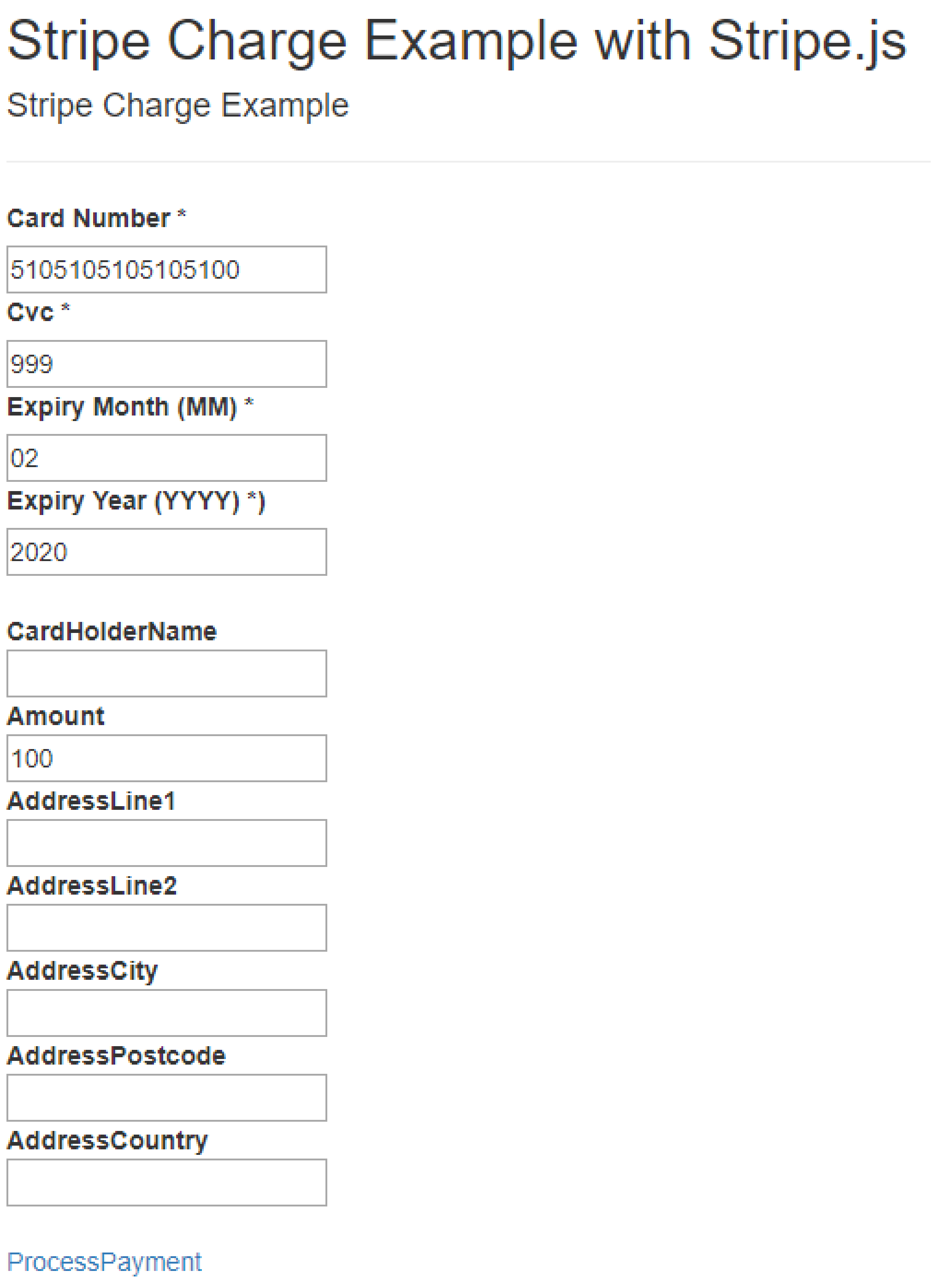
ProcessPayment

© 2020 - My ASP.NET Application

Fill in the details

(Card Holder Name and Addresses are optional)

(Minimum amount: 0.01)



Stripe Charge Example with Stripe.js

Stripe Charge Example

Card Number *
5105105105105100

Cvc *
999

Expiry Month (MM) *
02

Expiry Year (YYYY) *)
2020

CardHolderName

Amount
100

AddressLine1

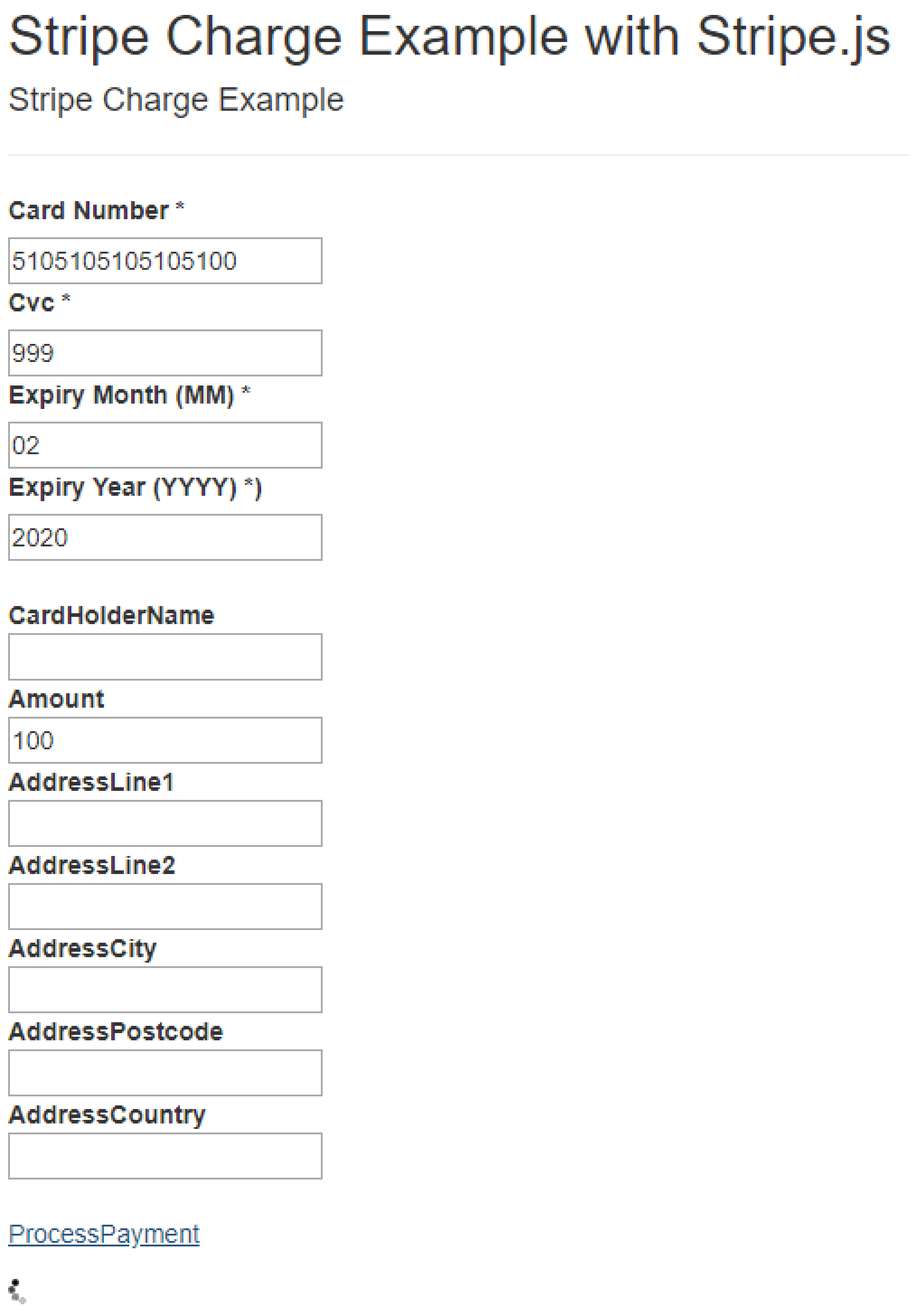
AddressLine2

AddressCity

AddressPostcode

AddressCountry

Stripe will start validating card, create token and charge.
(indicated by the loading icon)

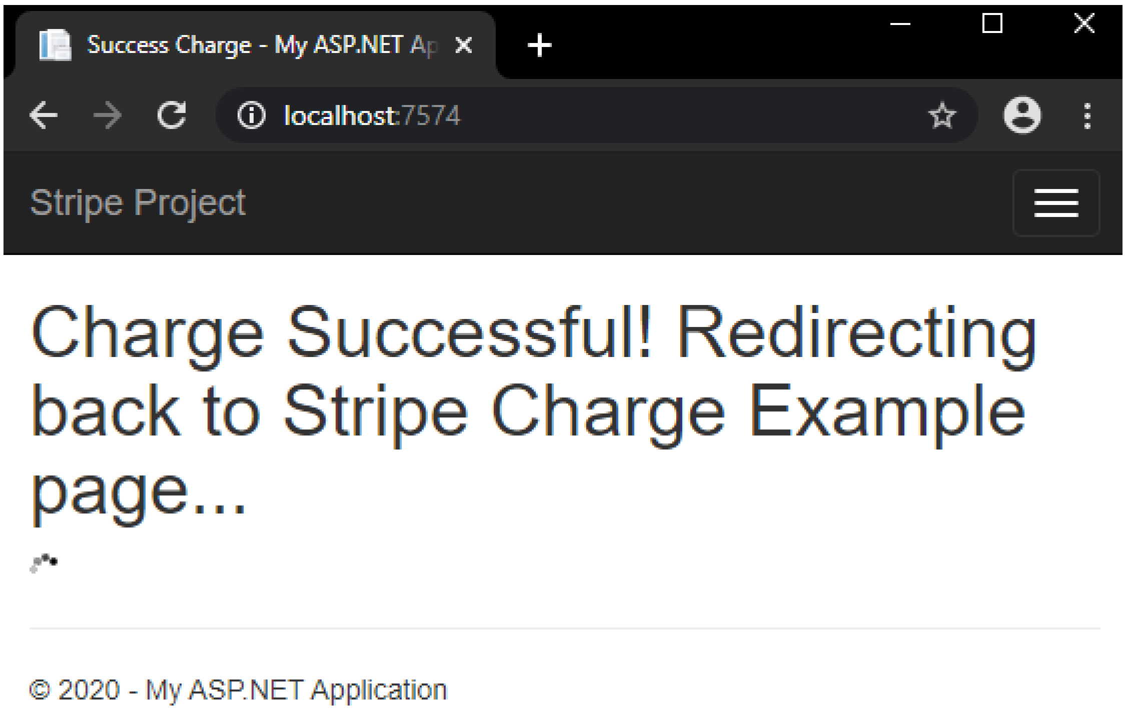


Stripe Charge Example with Stripe.js

Stripe Charge Example

Card Number *	5105105105105100
Cvc *	999
Expiry Month (MM) *	02
Expiry Year (YYYY) *)	2020
CardHolderName	
Amount	100
AddressLine1	
AddressLine2	
AddressCity	
AddressPostcode	
AddressCountry	

Successful charge will result in successful page with redirect.



Success Charge - My ASP.NET Ap

localhost:7574

Stripe Project

Charge Successful! Redirecting back to Stripe Charge Example page...

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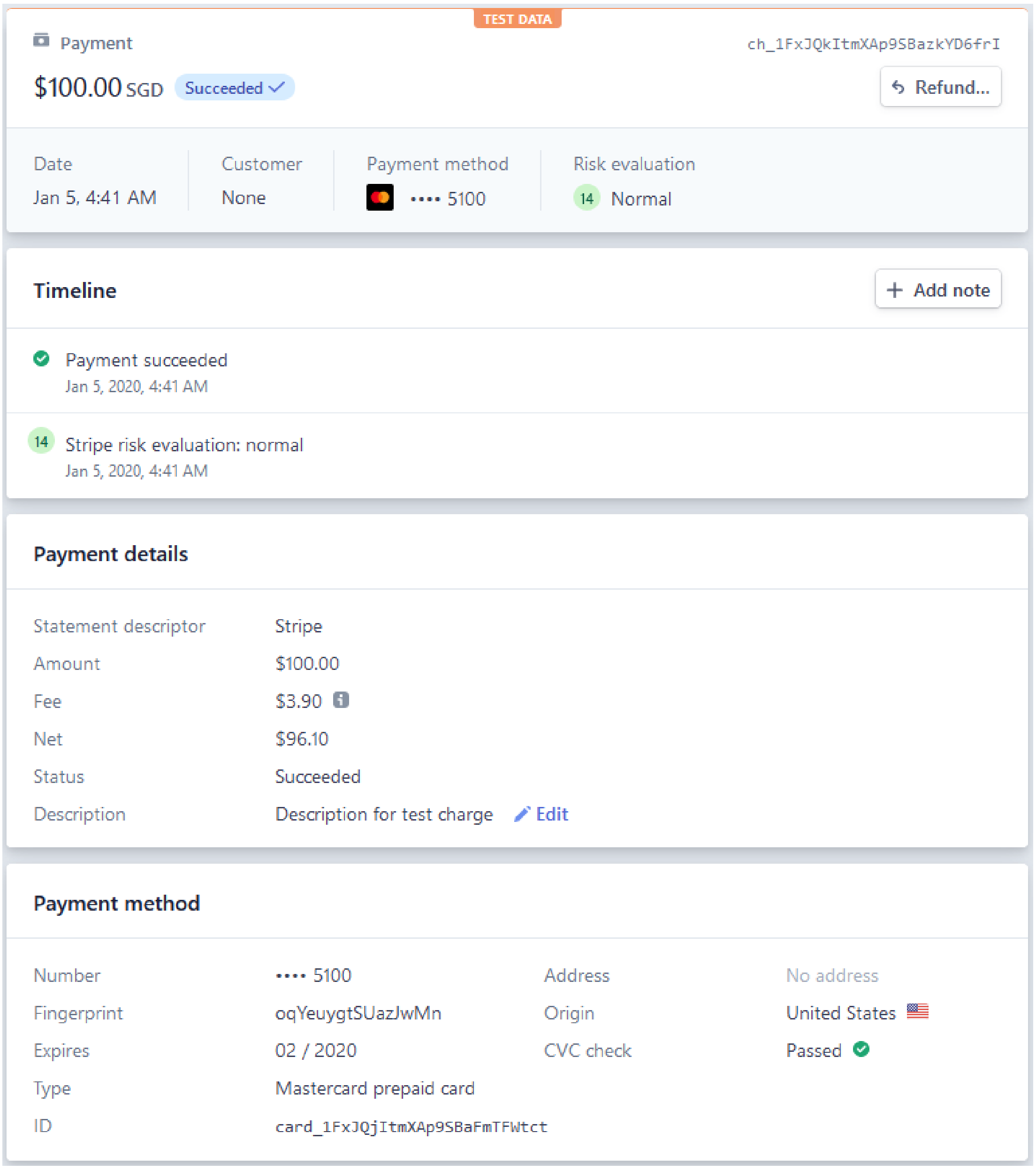
Successful charge will be reflected in https://dashboard.stripe.com/test/payments .



TEST DATA

Payment ch_1FxJQkItmXAp9SBazkYD6frI

$100.00 SGD Succeeded ✓ Refund...

Date	Customer	Payment method	Risk evaluation
Jan 5, 4:41 AM	None	•••• 5100	14 Normal

Timeline + Add note

✓ Payment succeeded
Jan 5, 2020, 4:41 AM

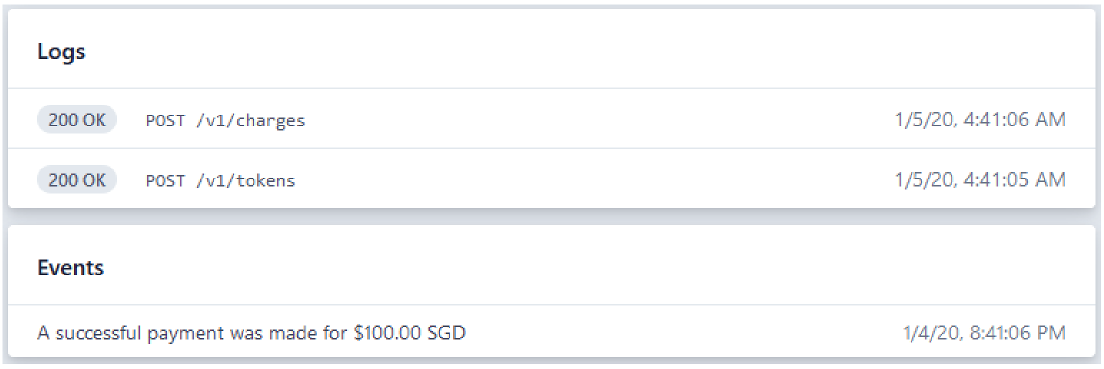
14 Stripe risk evaluation: normal
Jan 5, 2020, 4:41 AM

Payment details

Statement descriptor	Stripe
Amount	$100.00
Fee	$3.90
Net	$96.10
Status	Succeeded
Description	Description for test charge Edit

Payment method

Number	•••• 5100	Address	No address
Fingerprint	oqYeuygtSUazJwMn	Origin	United States
Expires	02 / 2020	CVC check	Passed ✓
Type	Mastercard prepaid card		
ID	card_1FxJQjItmXAp9SBaFmTFWtct		



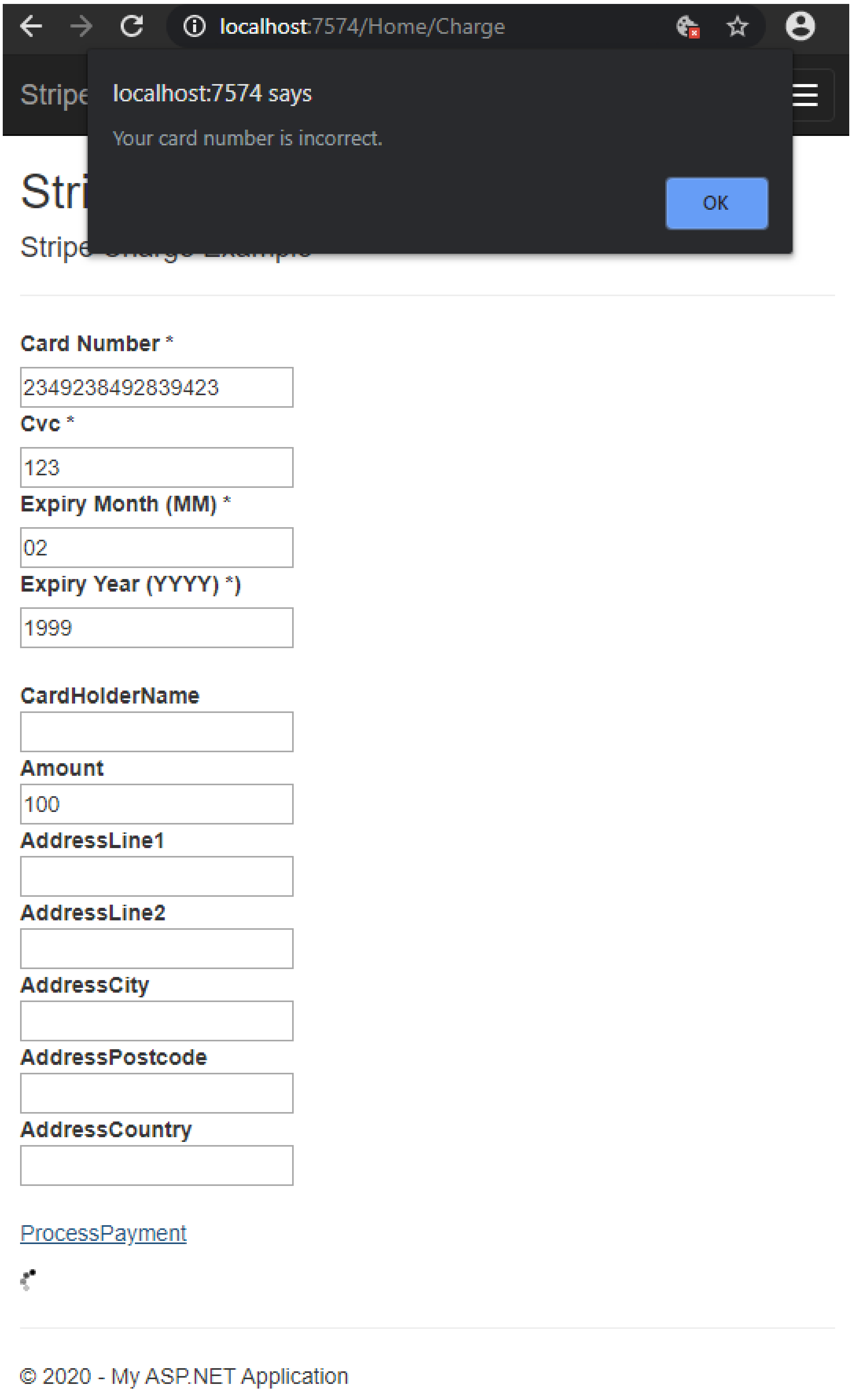
Logs

200 OK	POST /v1/charges	1/5/20, 4:41:06 AM
200 OK	POST /v1/tokens	1/5/20, 4:41:05 AM

Events

A successful payment was made for $100.00 SGD 1/4/20, 8:41:06 PM

Error from Stripe if card details are invalid .



localhost:7574/Home/Charge

Stripe

localhost:7574 says

Your card number is incorrect.

OK

Stri

Stripe

Card Number *

2349238492839423

Cvc *

123

Expiry Month (MM) *

02

Expiry Year (YYYY) *)

1999

CardHolderName

Amount

100

AddressLine1

AddressLine2

AddressCity

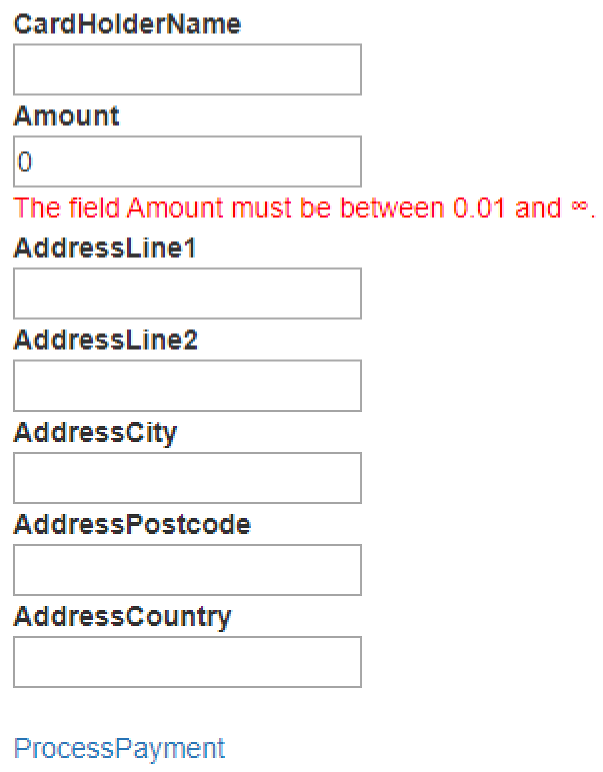
AddressPostcode

AddressCountry

ProcessPayment

© 2020 - My ASP.NET Application

Error from Model Validation if amount is invalid.



CardHolderName

Amount

0

The field Amount must be between 0.01 and ∞.

AddressLine1

AddressLine2

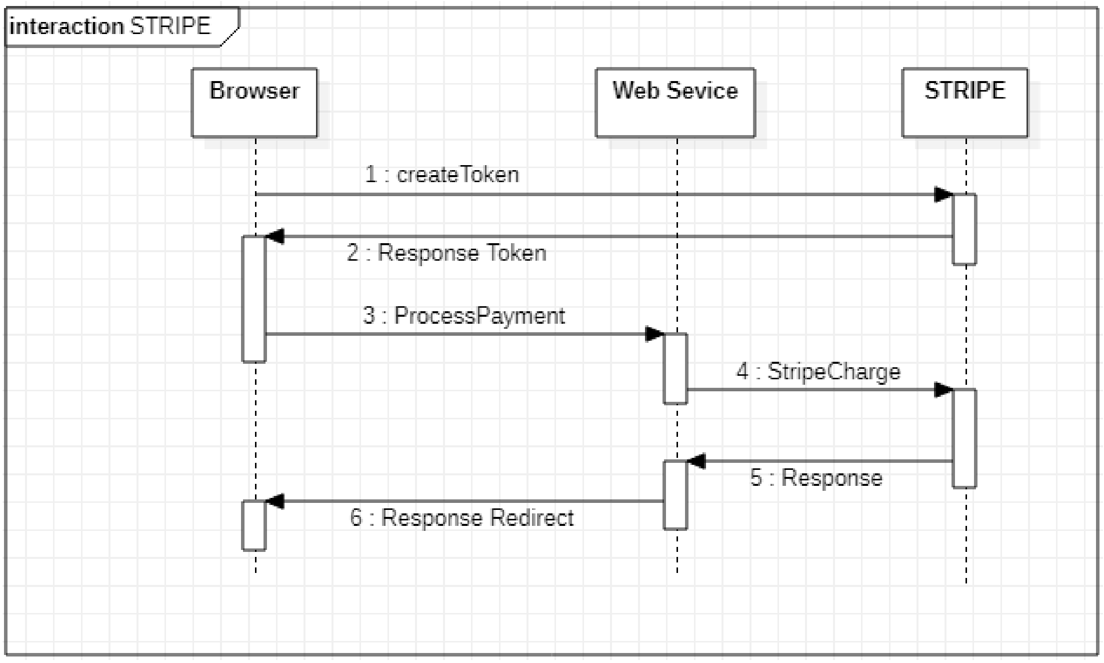
AddressCity

AddressPostcode

AddressCountry

ProcessPayment

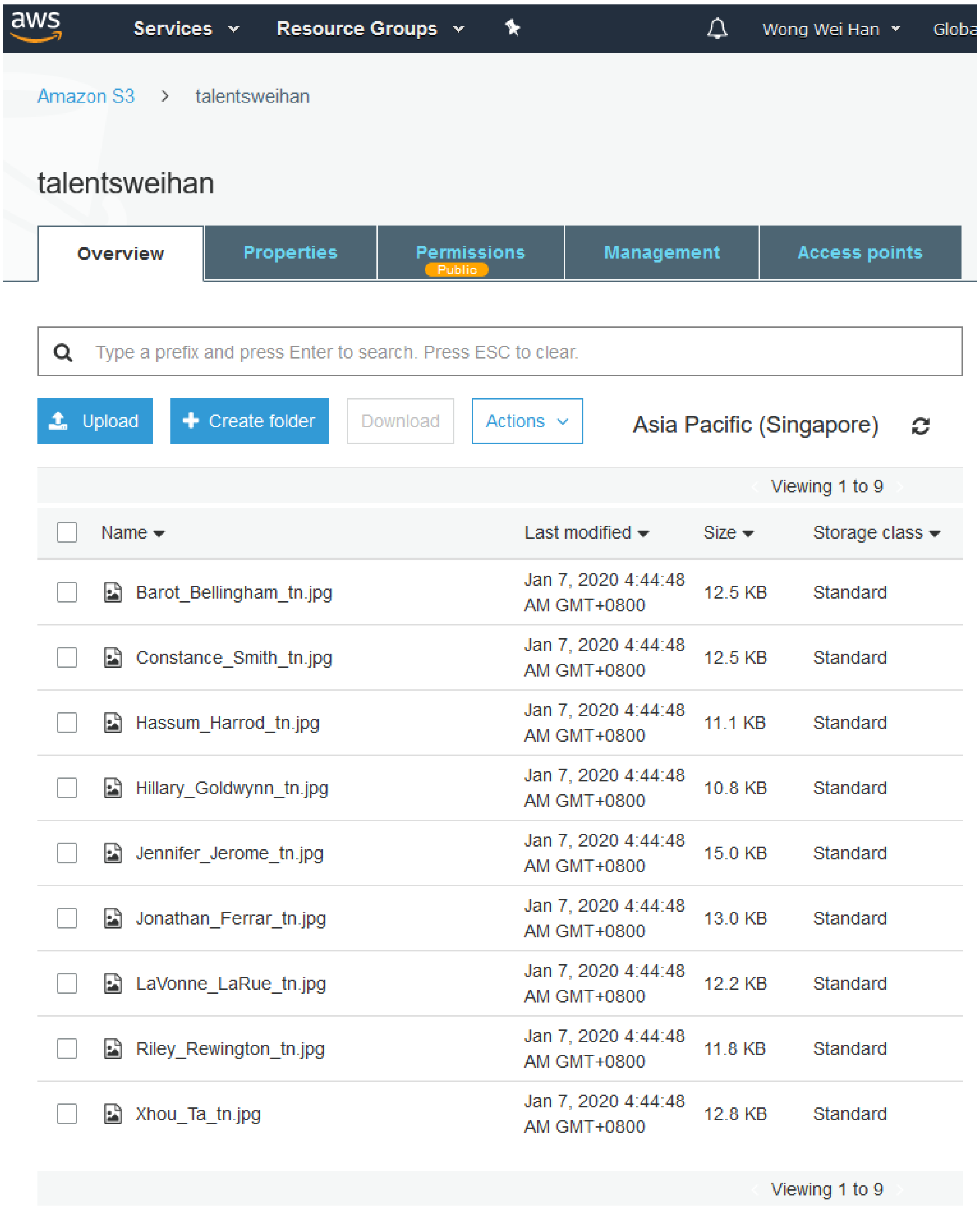
Sequence Diagram



AWS Talents Images

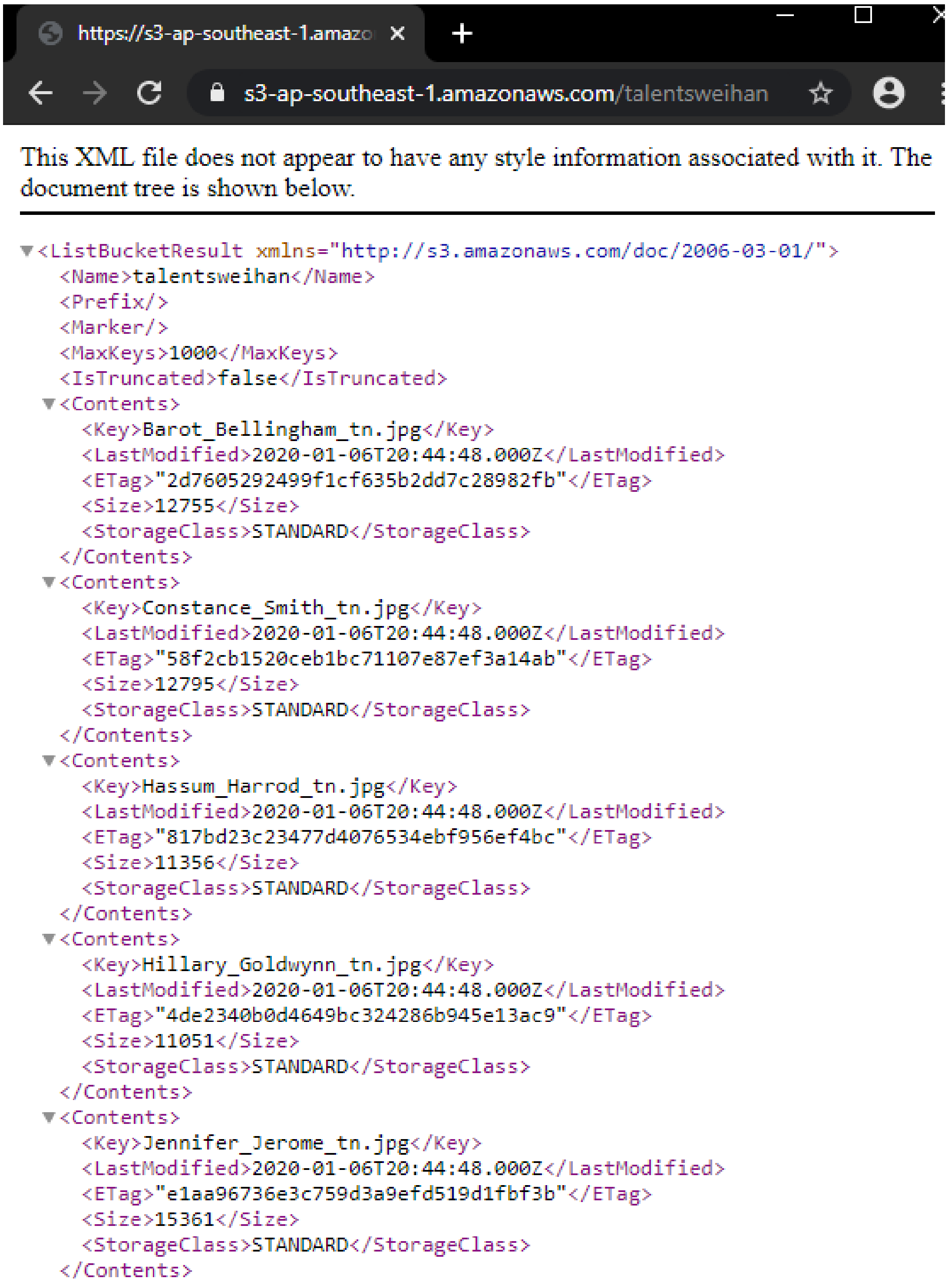
Access: https://s3-ap-southeast-1.amazonaws.com/talentsweihan

Images uploaded into AWS S3 Bucket.



Name	Last modified	Size	Storage class
Barot_Bellingham_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	12.5 KB	Standard
Constance_Smith_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	12.5 KB	Standard
Hassum_Harrod_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	11.1 KB	Standard
Hillary_Goldwynn_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	10.8 KB	Standard
Jennifer_Jerome_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	15.0 KB	Standard
Jonathan_Ferrar_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	13.0 KB	Standard
LaVonne_LaRue_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	12.2 KB	Standard
Riley_Rewington_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	11.8 KB	Standard
Xhou_Ta_tn.jpg	Jan 7, 2020 4:44:48 AM GMT+0800	12.8 KB	Standard

Public access to S3 Bucket.


https://s3-ap-southeast-1.amazo
s3-ap-southeast-1.amazonaws.com/talentsweihan

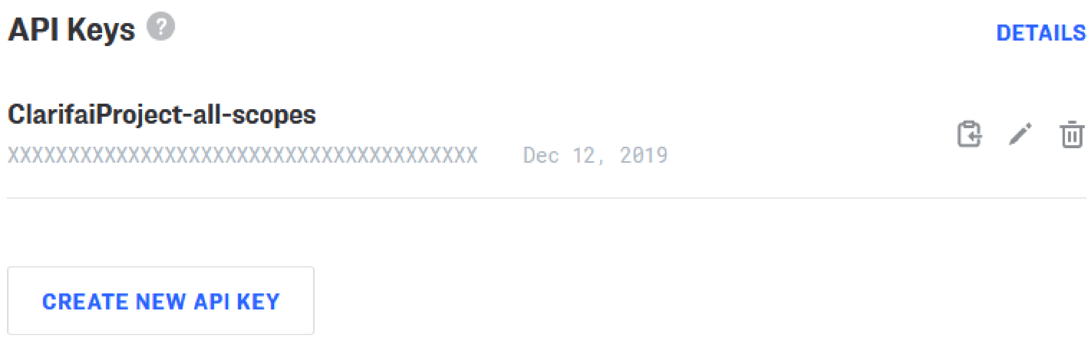
This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<ListBucketResult xmlns="http://s3.amazonaws.com/doc/2006-03-01/">
   <Name>talentsweihan</Name>
   <Prefix/>
   <Marker/>
   <MaxKeys>1000</MaxKeys>
   <IsTruncated>false</IsTruncated>
  ▼<Contents>
     <Key>Barot_Bellingham_tn.jpg</Key>
     <LastModified>2020-01-06T20:44:48.000Z</LastModified>
     <ETag>"2d7605292499f1cf635b2dd7c28982fb"</ETag>
     <Size>12755</Size>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
  ▼<Contents>
     <Key>Constance_Smith_tn.jpg</Key>
     <LastModified>2020-01-06T20:44:48.000Z</LastModified>
     <ETag>"58f2cb1520ceb1bc71107e87ef3a14ab"</ETag>
     <Size>12795</Size>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
  ▼<Contents>
     <Key>Hassum_Harrod_tn.jpg</Key>
     <LastModified>2020-01-06T20:44:48.000Z</LastModified>
     <ETag>"817bd23c23477d4076534ebf956ef4bc"</ETag>
     <Size>11356</Size>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
  ▼<Contents>
     <Key>Hillary_Goldwynn_tn.jpg</Key>
     <LastModified>2020-01-06T20:44:48.000Z</LastModified>
     <ETag>"4de2340b0d4649bc324286b945e13ac9"</ETag>
     <Size>11051</Size>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
  ▼<Contents>
     <Key>Jennifer_Jerome_tn.jpg</Key>
     <LastModified>2020-01-06T20:44:48.000Z</LastModified>
     <ETag>"e1aa96736e3c759d3a9efd519d1fbf3b"</ETag>
     <Size>15361</Size>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
```

Task 7

Browser (ASP.NET)

Insert your Clarifai API key inside ClarifaiModel.cs from https://portal.clarifai.com/apps .

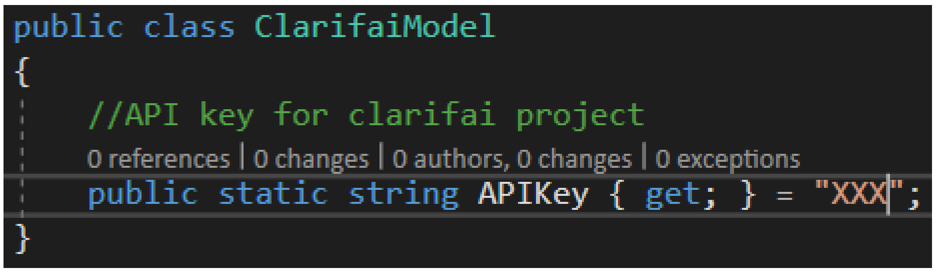


API Keys

DETAILS

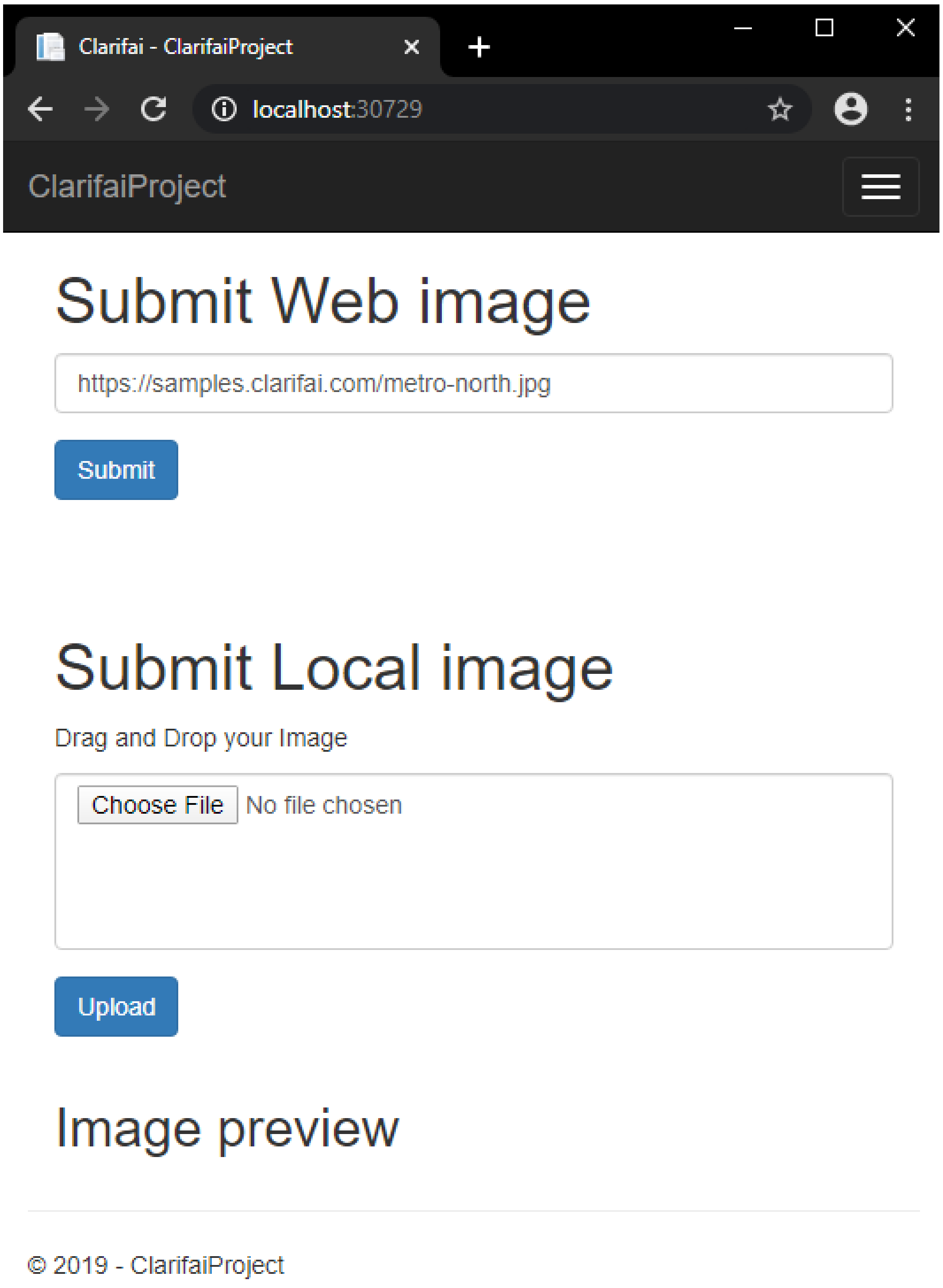
ClarifaiProject-all-scopes

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   Dec 12, 2019



```
public class ClarifaiModel
{
    //API key for clarifai project
    0 references | 0 changes | 0 authors, 0 changes | 0 exceptions
    public static string APIKey { get; } = "XXX";
}
```

Debug run the application and you will see the following page on load.



Submit Web image

https://samples.clarifai.com/metro-north.jpg

Submit Local image

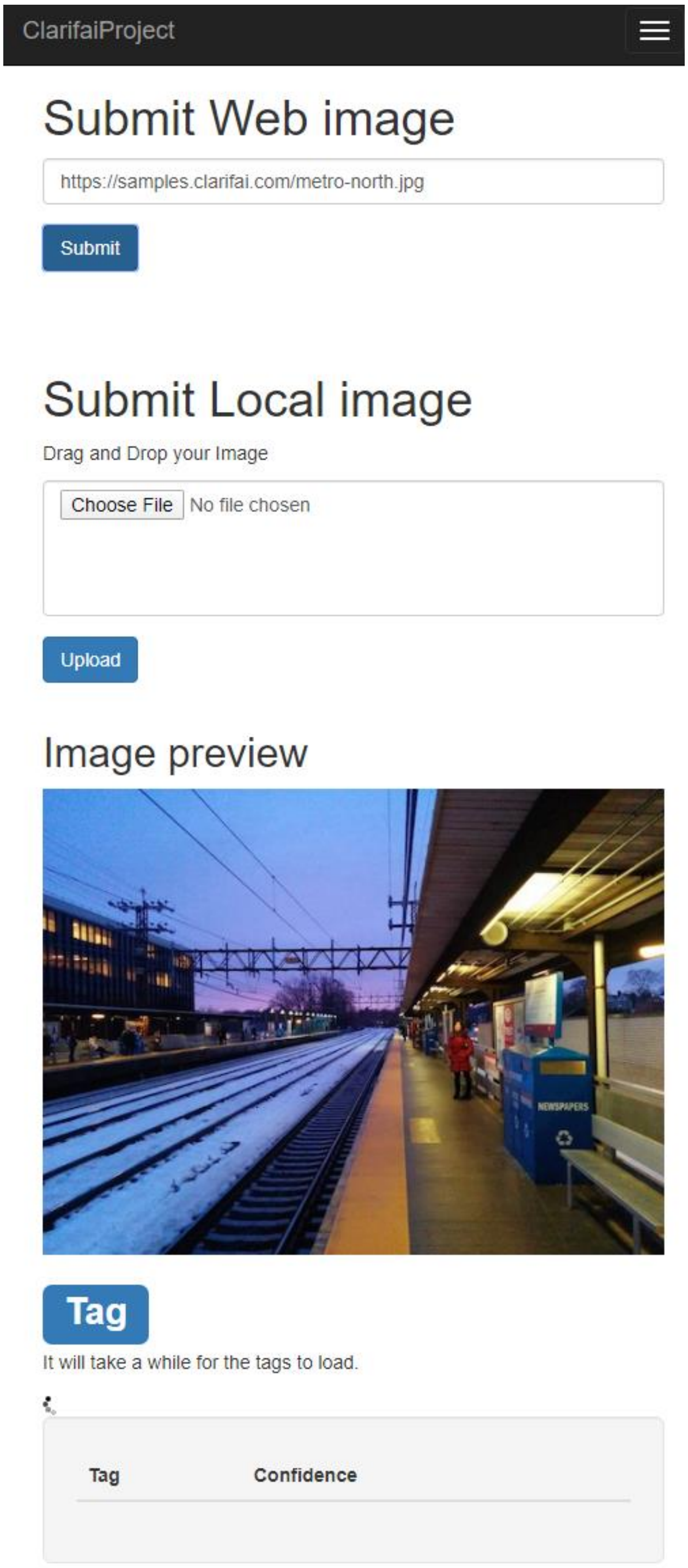
Drag and Drop your Image

Image preview

© 2019 - ClarifaiProject

Submit: Web Image

Submit image using web image and wait for tag to load.



ClarifaiProject

Submit Web image

https://samples.clarifai.com/metro-north.jpg

Submit

Submit Local image

Drag and Drop your Image

Choose File No file chosen

Upload

Image preview

Tag

It will take a while for the tags to load.

Tag	Confidence

Image tag will be generated after a few seconds.

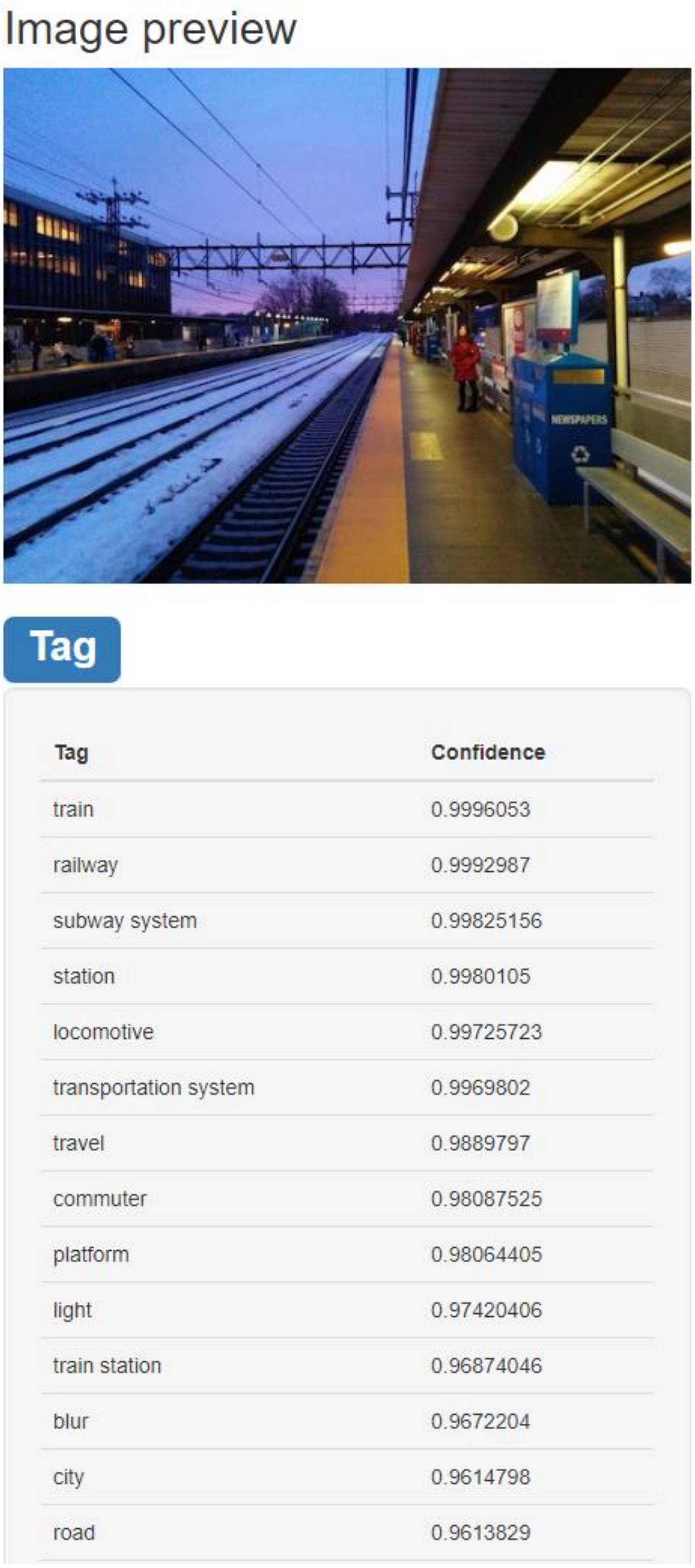


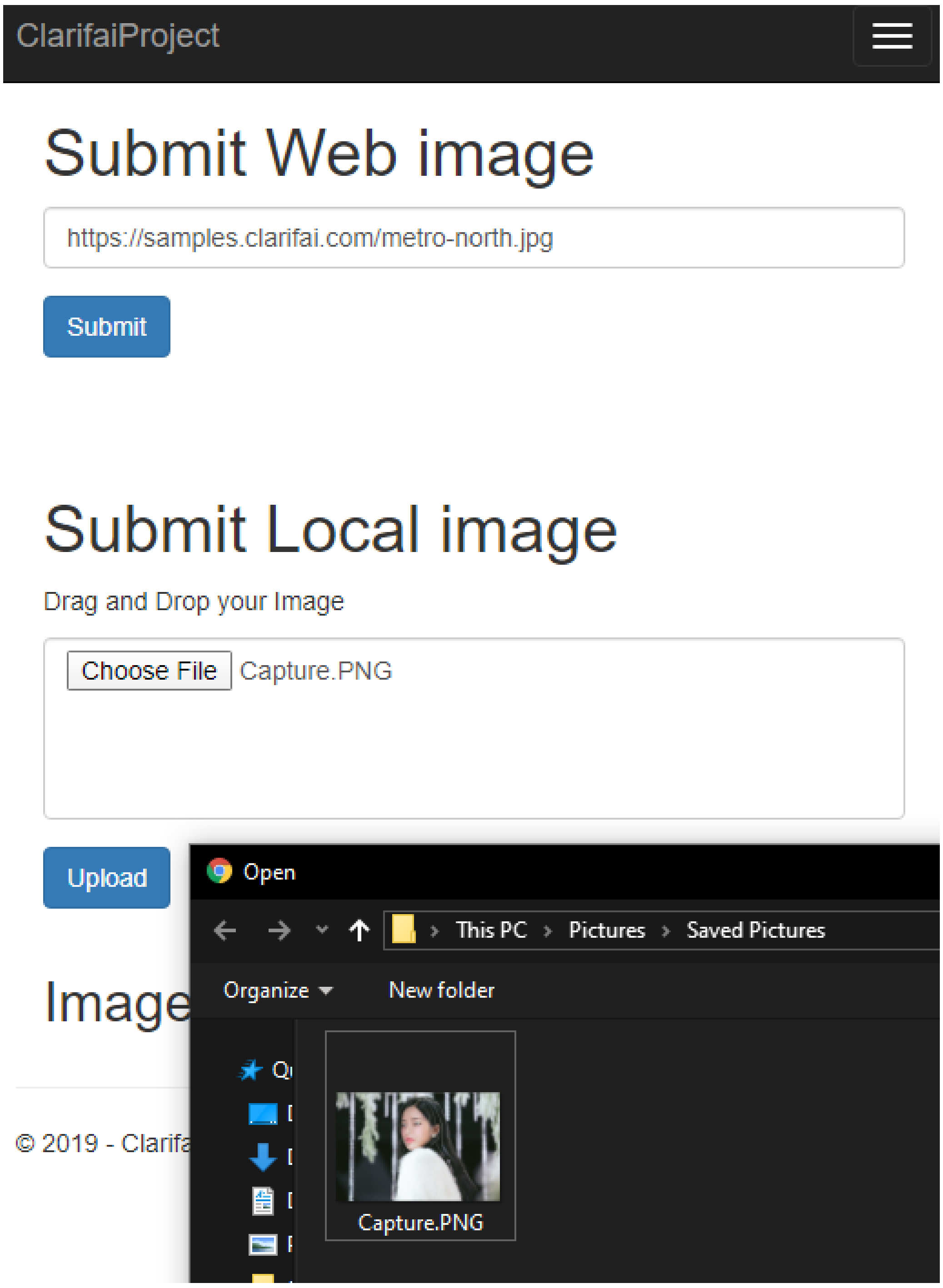
Image preview

Tag

Tag	Confidence
train	0.9996053
railway	0.9992987
subway system	0.99825156
station	0.9980105
locomotive	0.99725723
transportation system	0.9969802
travel	0.9889797
commuter	0.98087525
platform	0.98064405
light	0.97420406
train station	0.96874046
blur	0.9672204
city	0.9614798
road	0.9613829

Submit: Local Image

Image can be uploaded from local computer via drag and drop.



ClarifaiProject

Submit Web image

https://samples.clarifai.com/metro-north.jpg

Submit

Submit Local image

Drag and Drop your Image

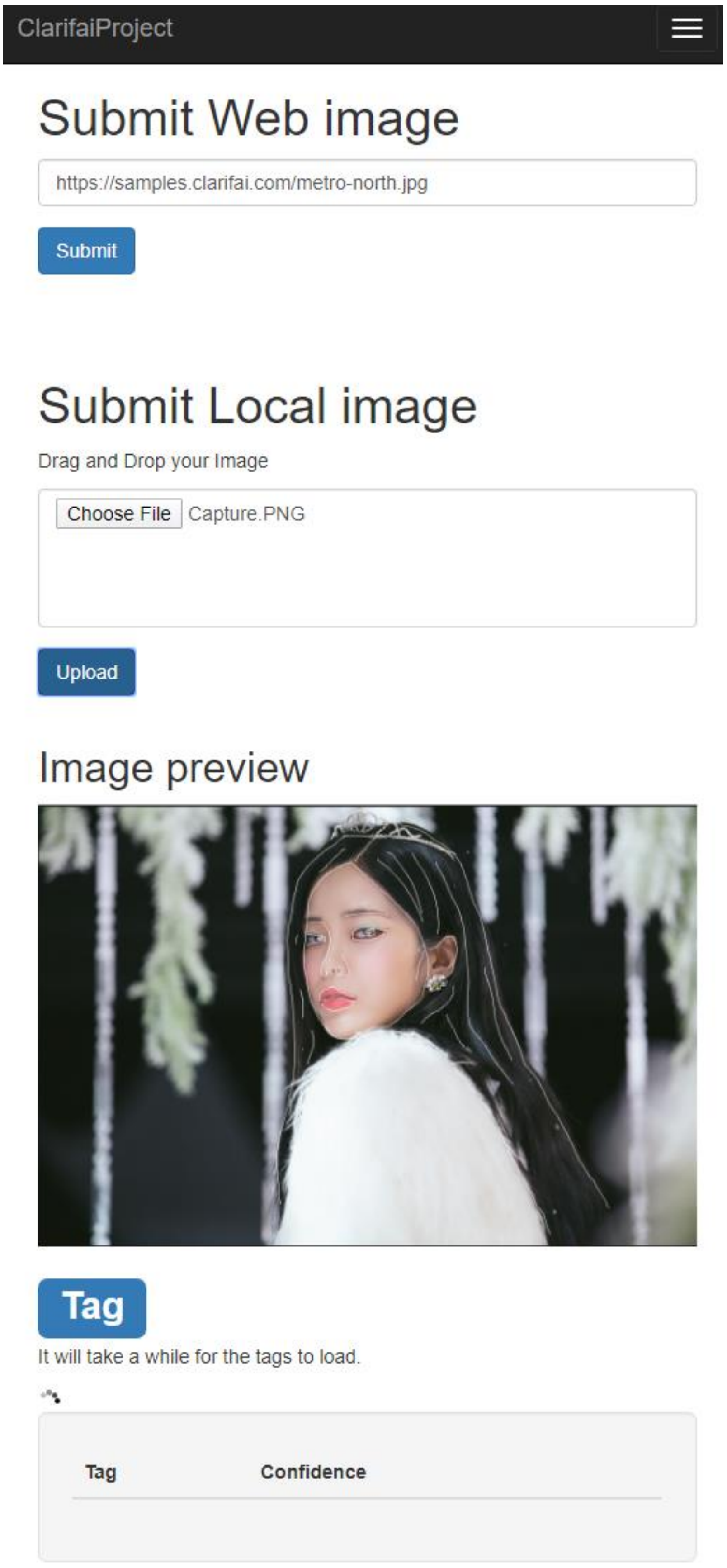
Choose File Capture.PNG

Upload

Image

© 2019 - Clarifa

Uploaded image will undergo tagging.



Submit Web image

https://samples.clarifai.com/metro-north.jpg

Submit Local image

Drag and Drop your Image

Image preview

It will take a while for the tags to load.

Tag	Confidence

Image tag will be generated after a few seconds.

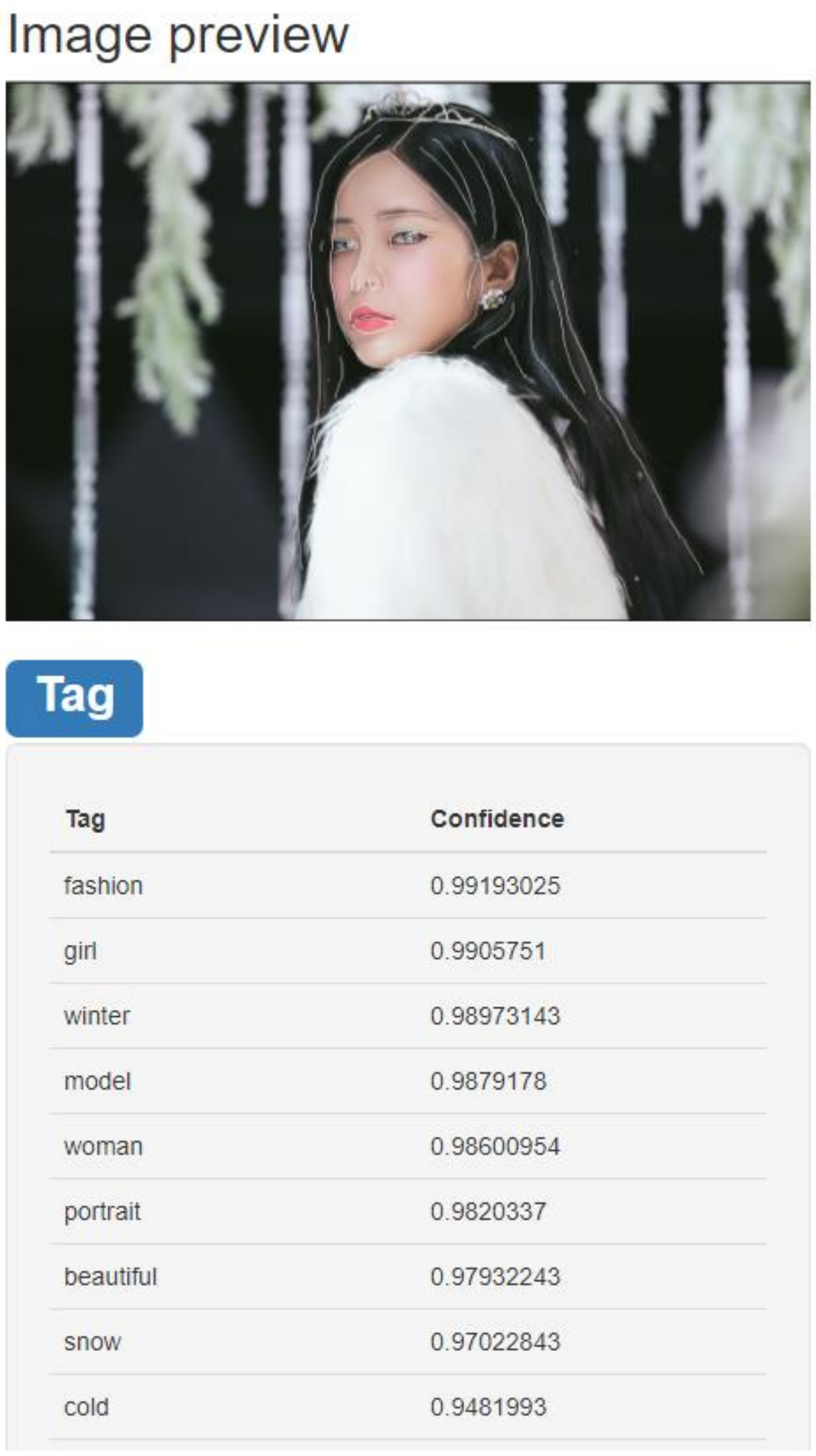
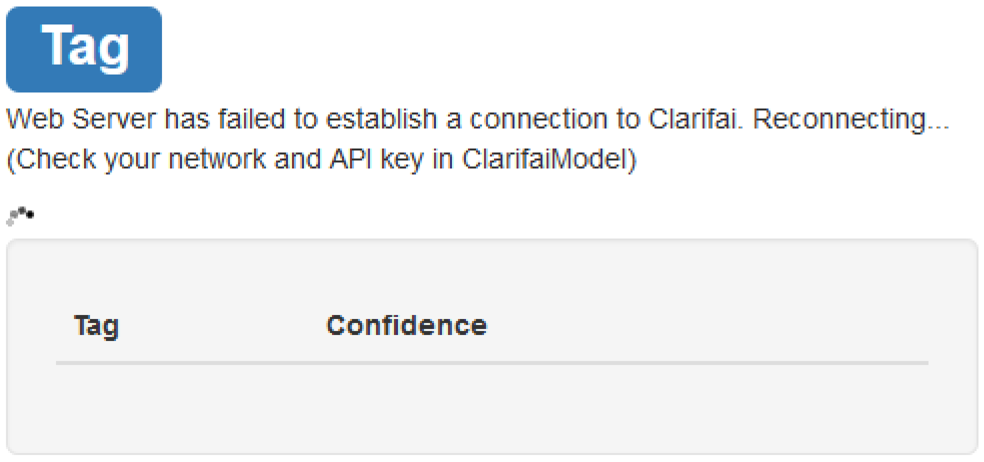


Image preview

Tag

Tag	Confidence
fashion	0.99193025
girl	0.9905751
winter	0.98973143
model	0.9879178
woman	0.98600954
portrait	0.9820337
beautiful	0.97932243
snow	0.97022843
cold	0.9481993

In the case of error, server will reconnect and prompt to check.



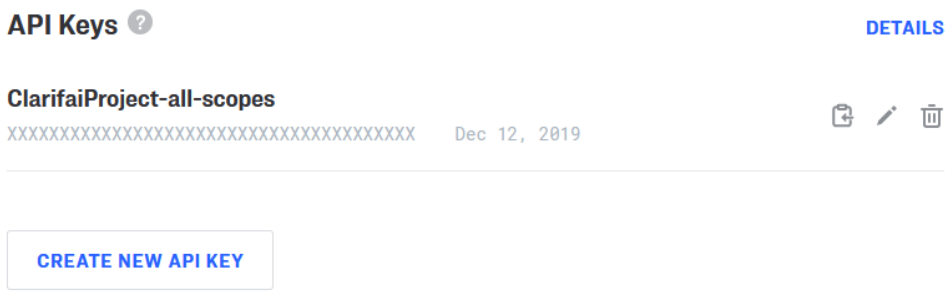
Web Server has failed to establish a connection to Clarifai. Reconnecting...
(Check your network and API key in ClarifaiModel)

Tag	Confidence

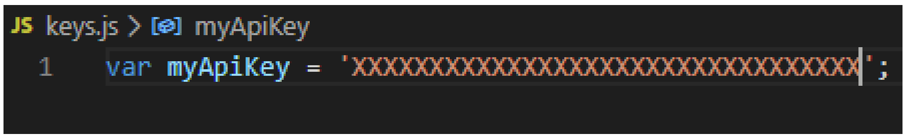
Browser (javascript)

Located in ClarifaiProject_js Folder

Insert your Clarifai API key inside keys.js from https://portal.clarifai.com/apps .

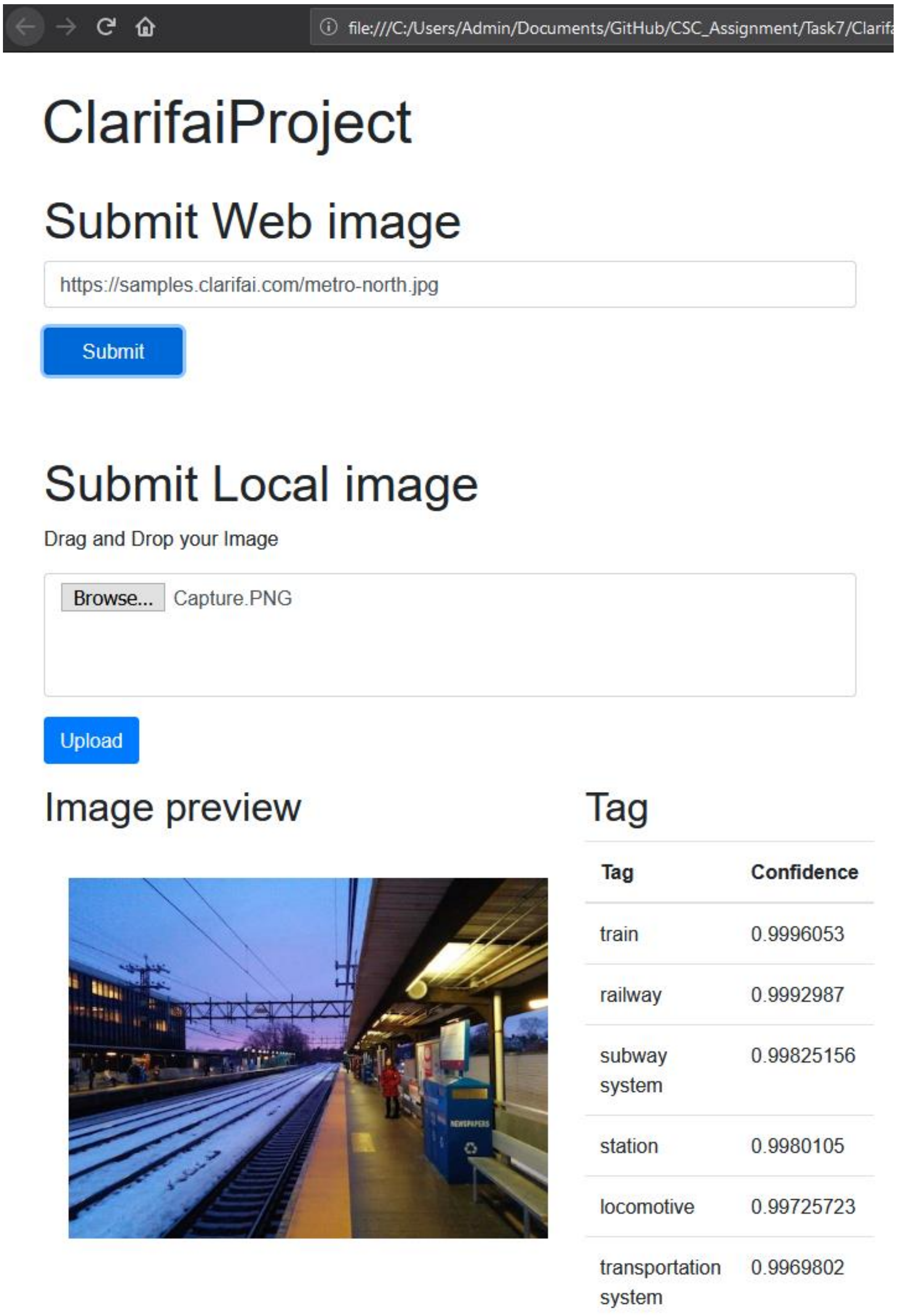


ClarifaiProject-all-scopes
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Dec 12, 2019



```
var myApiKey = 'XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX';
```

This Javascript version is the same version as ASP.NET, without a web server.


file:///C:/Users/Admin/Documents/GitHub/CSC_Assignment/Task7/Clarifa

ClarifaiProject

Submit Web image

https://samples.clarifai.com/metro-north.jpg

Submit Local image

Drag and Drop your Image

Browse...
Capture.PNG
Upload

Image preview

Tag

Tag	Confidence
train	0.9996053
railway	0.9992987
subway system	0.99825156
station	0.9980105
locomotive	0.99725723
transportation system	0.9969802