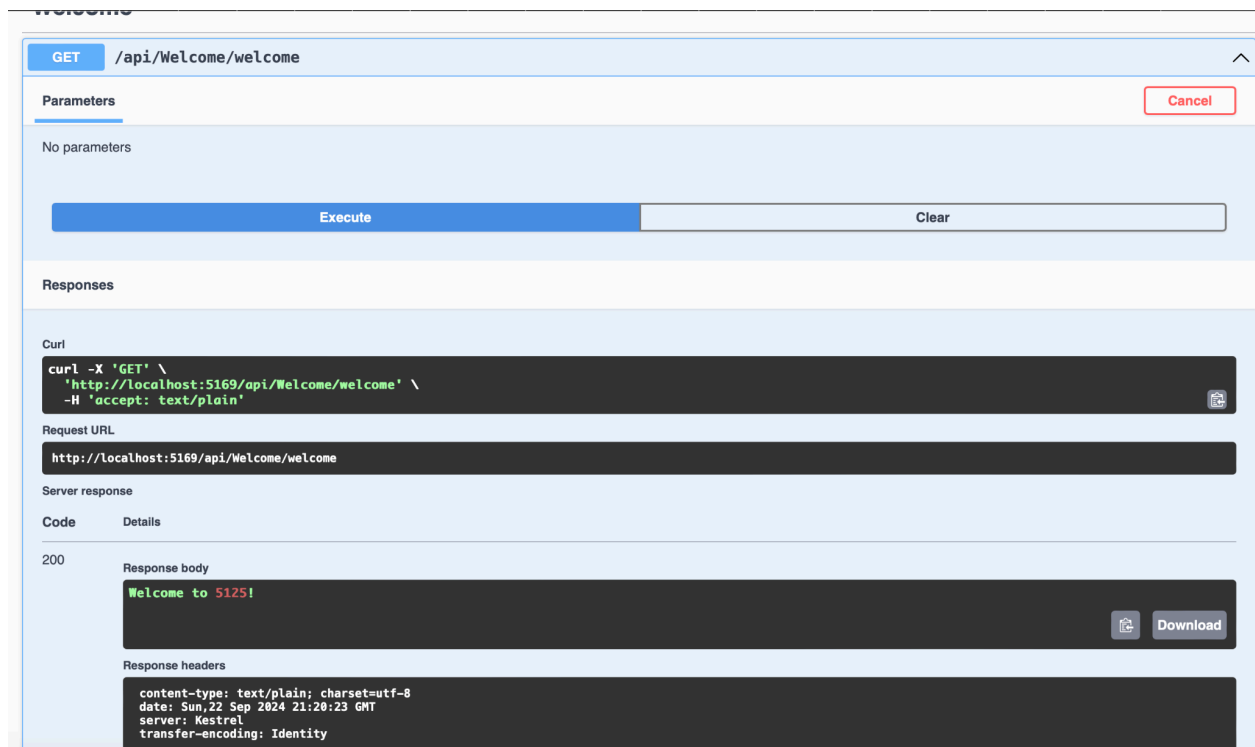


WEEK 3 ASSIGNMENT 1; HTTP REQUEST USING ASP.NET AND C#

These are the screenshots of all testing for the controllers.

1. **Q1 WelcomeController:** Handles the welcome endpoint.

Swagger UI testing

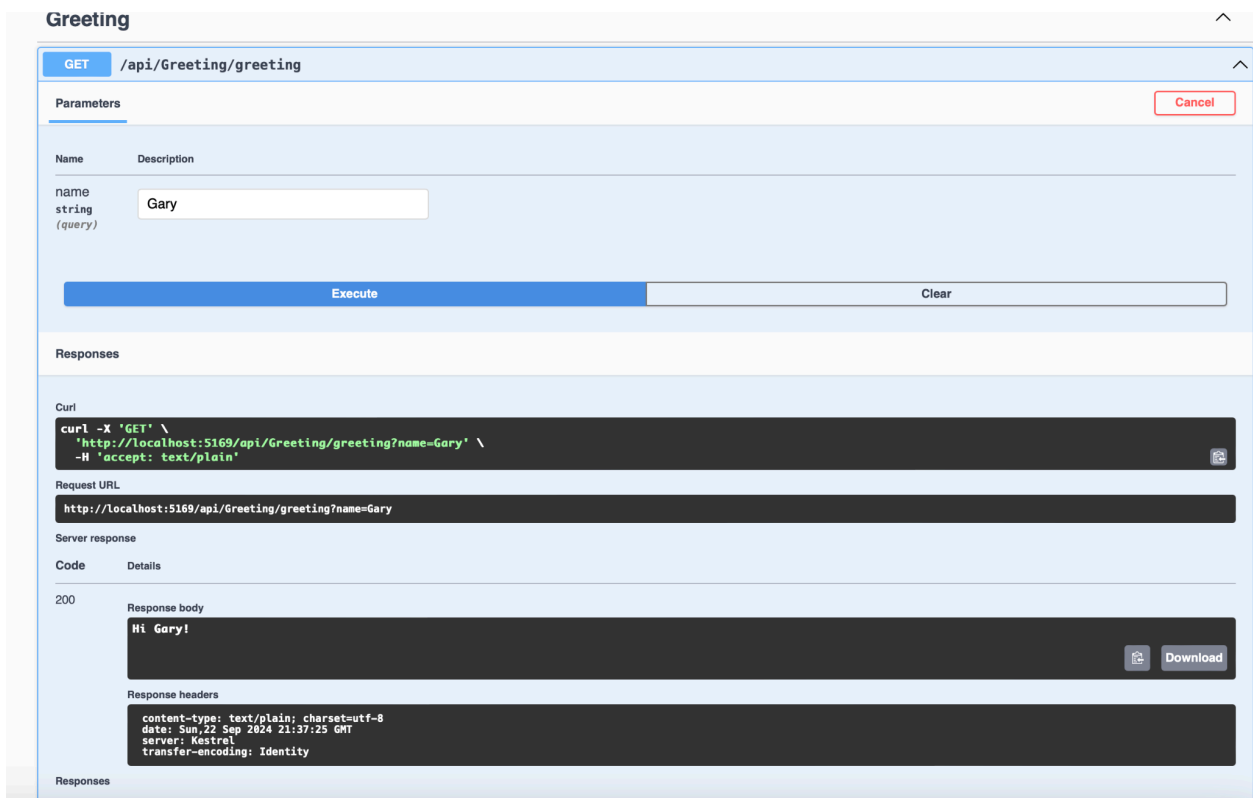


Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 — zsh
(base) Genevieve@MacBook-Pro week3 % curl -X 'GET' \
      'http://localhost:5169/api/Welcome/welcome' \
      -H 'accept: text/plain'
Welcome to 5125!%
(base) Genevieve@MacBook-Pro week3 %
```

2. **Q2 GreetingController:** Handles the greeting endpoint.

Swagger UI testing



The image shows the Swagger UI interface for a REST API endpoint named "Greeting". The endpoint is a GET request to "/api/Greeting/greeting". The "Parameters" section shows a query parameter named "name" of type "string" with a value of "Gary". The "Execute" button is highlighted in blue. Below the "Parameters" section, the "Responses" section shows the result of the request. The "Curl" section displays the command: `curl -X 'GET' \ 'http://localhost:5169/api/Greeting/greeting?name=Gary' \ -H 'accept: text/plain'`. The "Request URL" section shows the URL: `http://localhost:5169/api/Greeting/greeting?name=Gary`. The "Server response" section shows a 200 status code and a response body of "Hi Gary!". The "Response headers" section shows the following headers: `content-type: text/plain; charset=utf-8`, `date: Sun, 22 Sep 2024 21:37:25 GMT`, `server: Kestrel`, and `transfer-encoding: Identity`.

Greeting

GET /api/Greeting/greeting

Parameters

Cancel

Name	Description
name string (query)	<input type="text" value="Renée"/>

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5169/api/Greeting/greeting?name=Ren%C3%A9e' \
-H 'accept: text/plain'
```

Request URL

```
http://localhost:5169/api/Greeting/greeting?name=Ren%C3%A9e
```

Server response

Code	Details
200	<div><div>Response body</div><div>Hi Renée!</div><div>Download</div></div> <div><div>Response headers</div><pre>content-type: text/plain; charset=utf-8 date: Sun, 22 Sep 2024 21:38:39 GMT server: Kestrel transfer-encoding: Identity</pre></div>

Responses

Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 -- -zsh
~/Desktop/Web-Dev-Humber/Web-Design-HTTP-5110-0NB/week3

(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Greeting/greeting?name=Ren%C3%A9e'
Hi Renée!%
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Greeting/greeting?name=Gary'
Hi Gary!%
(base) Genevieve@MacBook-Pro week3 %
```

3. **Q3 CubeController:** Handles the cube calculation.

Swagger UI testing

Cube

GET

/api/Cube/cube/{base}

Parameters

Cancel

Name	Description
base <small>required</small>	
integer(int32)	4
(path)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5169/api/Cube/cube/4' \
-H 'accept: text/plain'
```

Request URL

```
http://localhost:5169/api/Cube/cube/4
```

Server response

Code	Details
200	<div><div>Response body</div><div>64</div><div>Download</div></div> <div><div>Response headers</div><div>content-type: application/json; charset=utf-8 date: Sun, 22 Sep 2024 21:47:30 GMT server: Kestrel transfer-encoding: Identity</div></div>

Responses

Cube

GET

/api/Cube/cube/{base}

Parameters

Cancel

Name	Description
base <small>required</small> integer(\$int32) (path)	<input type="text" value="-4"/>

Execute

Clear

Responses

Curl

curl -X 'GET' \
'http://localhost:5169/api/Cube/cube/-4' \
-H 'accept: text/plain'

Request URL

http://localhost:5169/api/Cube/cube/-4

Server response

Code	Details
200	<div><div>Response body</div><div>-64</div><div>Download</div></div> <div><div>Response headers</div><div>content-type: application/json; charset=utf-8 date: Sun, 22 Sep 2024 21:48:46 GMT server: Kestrel transfer-encoding: Identity</div></div>

Responses

Cube

GET

/api/Cube/cube/{base}

Parameters

Cancel

Name	Description
base <small>required</small> integer(\$int32) (path)	<input type="text" value="10"/>

Execute

Clear

Responses

Curl

curl -X 'GET' \
'http://localhost:5169/api/Cube/cube/10' \
-H 'accept: text/plain'

Request URL

http://localhost:5169/api/Cube/cube/10

Server response

Code	Details
200	<div><div>Response body</div><div>1000</div><div>Download</div></div> <div><div>Response headers</div><div>content-type: application/json; charset=utf-8 date: Sun, 22 Sep 2024 21:49:14 GMT server: Kestrel transfer-encoding: Identity</div></div>

Responses

Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 — -zsh ~/Desktop/W
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Cube/cube/4'
64%
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Cube/cube/-4'
-64%
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Cube/cube/10'
1000%
(base) Genevieve@MacBook-Pro week3 %
```

4. **Q4 KnockKnockController:** Handles the knock-knock joke.

Swagger UI testing

KnockKnock

POST /api/KnockKnock/knockknock

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

curl -X 'POST' \
'http://localhost:5169/api/KnockKnock/knockknock' \
-H 'accept: text/plain' \
-d ''

Request URL

http://localhost:5169/api/KnockKnock/knockknock

Server response

Code	Details
200	<div><div>Response body<div>Who's there?</div><div>Download</div></div><div><div>Response headers<div>content-type: text/plain; charset=utf-8 date: Sun, 22 Sep 2024 21:57:36 GMT server: Kestrel transfer-encoding: Identity</div></div></div></div>

Responses

Code	Description	Links
200		No links

Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 --zsh
(base) Genevieve@MacBook-Pro week3 % curl -X 'POST' 'http://localhost:5169/api/KnocKnock/knockknock'
Who's there?%
(base) Genevieve@MacBook-Pro week3 %
```

5. **Q5 SecretController:** Handles the secret acknowledgment.

Swagger UI testing

POST /api/Secret/secret

Parameters

No parameters

Request body

application/json

5

Execute

Clear

Responses

Curl

curl -X 'POST' \
'http://localhost:5169/api/Secret/secret' \
-H 'accept: text/plain' \
-H 'Content-Type: application/json' \
-d '5'

Request URL

http://localhost:5169/api/Secret/secret

Server response

Code

Details

200

Response body

Shh.. the secret is 5

Download

POST /api/Secret/secret

Parameters

No parameters

Request body

application/json

-200

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:5169/api/Secret/secret' \
  -H 'accept: text/plain' \
  -H 'Content-Type: application/json' \
  -d -200
```

Request URL

http://localhost:5169/api/Secret/secret

Server response

Code	Details
200	<p>Response body</p> <p>Shh.. the secret is -200</p>

Download

Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 — zsh
(base) Genevieve@MacBook-Pro week3 % curl -X 'POST' \
  'http://localhost:5169/api/Secret/secret' -H 'Content-Type: application/json' -d -200
Shh.. the secret is -200
(base) Genevieve@MacBook-Pro week3 % curl -X 'POST' \
  'http://localhost:5169/api/Secret/secret' -H 'Content-Type: application/json' -d 5
Shh.. the secret is 5
(base) Genevieve@MacBook-Pro week3 %
```


6. **Q6 HexagonController:** Handles the hexagon area calculation.

Swagger UI testing

Hexagon

GET

/api/Hexagon/hexagon

Parameters

Cancel

Name	Description
side	
number(\$double)	1
(query)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5169/api/Hexagon/hexagon?side=1' \
-H 'accept: text/plain'
```

Request URL

```
http://localhost:5169/api/Hexagon/hexagon?side=1
```

Server response

Code	Details
200	<div><div>Response body</div><div>2.598876211353316</div><div>Response headers</div><div>content-type: application/json; charset=utf-8 date: Sun, 22 Sep 2024 22:14:28 GMT server: Kestrel transfer-encoding: Identity</div></div>

Download

Responses

Code	Description	Links
200	Success	No links

Media type

Hexagon

GET /api/Hexagon/hexagon

Parameters

Cancel

Name	Description
------	-------------

side	
number(\$double)	1.5
(query)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:5169/api/Hexagon/hexagon?side=1.5' \
  -H 'accept: text/plain'
```

Request URL

http://localhost:5169/api/Hexagon/hexagon?side=1.5

Server response

Code	Details
------	---------

200	
-----	--

Response body

5.845671475544961

Response headers

```
content-type: application/json; charset=utf-8
date: Sun, 22 Sep 2024 22:15:16 GMT
server: Kestrel
transfer-encoding: Identity
```

Responses

Code	Description
------	-------------

Links

200	
-----	--

Success

No links

Media type

Hexagon

GET /api/Hexagon/hexagon

Parameters

Cancel

Name	Description
side	
number(\$double)	20
(query)	

Execute Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5169/api/Hexagon/hexagon?side=20' \
-H 'accept: text/plain'
```

Request URL

http://localhost:5169/api/Hexagon/hexagon?side=20

Server response

Code	Details
200	<p>Response body</p> <p>1039.2304845413264</p> <p>Response headers</p> <p>content-type: application/json; charset=utf-8 date: Sun, 22 Sep 2024 22:16:10 GMT server: Kestrel transfer-encoding: Identity</p>

Responses

Code	Description	Links
200	Success	No links

Media type

Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 — -zsh
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Hexagon/hexagon?side=1'
2.598076211353316%
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Hexagon/hexagon?side=1.5'
5.845671475544961%
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/Hexagon/hexagon?side=20'
1039.2304845413264%
(base) Genevieve@MacBook-Pro week3 %
```

7. **Q7 TimeMachineController:** Handles the date time machine.

Swagger UI testing

TimeMachine

GET

/api/TimeMachine/timemachine

Parameters

Name	Description
days	
integer(int32)	1
(query)	

ExecuteClear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5169/api/TimeMachine/timemachine?days=1' \
-H 'accept: text/plain'
```

Request URL

```
http://localhost:5169/api/TimeMachine/timemachine?days=1
```

Server response

Code	Details
200	<div><div>Response body</div><div>2024-09-23</div><div>Download</div></div> <div><div>Response headers</div><div>content-type: text/plain; charset=utf-8 date: Sun, 22 Sep 2024 22:22:27 GMT server: Kestrel transfer-encoding: Identity</div></div>

Responses

Code	Description	Links
200	Success	No links

TimeMachine

GET

/api/TimeMachine/timemachine

Parameters

Name

Description

days

integer(\$int32)

(query)

-1

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5169/api/TimeMachine/timemachine?days=-1' \
-H 'accept: text/plain'
```

Request URL

```
http://localhost:5169/api/TimeMachine/timemachine?days=-1
```

Server response

Code

Details

200

Response body

2024-09-21

Response headers

content-type: text/plain; charset=utf-8
date: Sun, 22 Sep 2024 22:24:58 GMT
server: Kestrel
transfer-encoding: Identity

Responses

Code

Description

Links

200

Success

No links

Terminal (CURL) testing

```
/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 — -zsh
~/Desktop/Web-Dev-Humber/Web-Design-HTTP-5110-0NB/week3

(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/TimeMachine/timemachine?days=1'
2024-09-23
(base) Genevieve@MacBook-Pro week3 % curl 'http://localhost:5169/api/TimeMachine/timemachine?days=-1'
2024-09-21
(base) Genevieve@MacBook-Pro week3 %
```

8. **Q8 SquashFellowsController:** Handles the SquashFellows order processing.

Swagger UI testing

SquashFellows

POST

/api/SquashFellows/squashfellows

Parameters

Cancel

Reset

No parameters

Request body

application/x-www-form-urlencoded

small

integer(int32)

1

☐ Send empty value

large

integer(int32)

1

☐ Send empty value

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
'http://localhost:5169/api/SquashFellows/squashfellows' \
-H 'accept: text/plain' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'small=1&large=1'
```

Request URL

```
http://localhost:5169/api/SquashFellows/squashfellows
```

Server response

Code

Details

200

Response body

```
1 Small @ $25.50 = $25.50; 1 Large @ $45.50 = $45.50; Subtotal = $71.00; Tax = $9.23 HST; Total = $80.23
```

Download

Response headers

SquashFellows

POST /api/SquashFellows/squashfellows

Parameters

No parameters

Request body

application/x-www-form-urlencoded

small
integer(\$int32) 2

☐ Send empty value

large
integer(\$int32) 1

☐ Send empty value

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:5169/api/SquashFellows/squashfellows' \
  -H 'accept: text/plain' \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -d 'small=2&large=1'
```

Request URL

http://localhost:5169/api/SquashFellows/squashfellows

Server response

Code Details

200

Response body

2 Small @ \$25.50 = \$51.00; 1 Large @ \$45.50 = \$45.50; Subtotal = \$96.50; Tax = \$12.54 HST; Total = \$109.04

Response headers

Download

SquashFellows

POST /api/SquashFellows/squashfellows

Parameters

No parameters

Request body

application/x-www-form-urlencoded

small

integer(\$int32)

100

☐ Send empty value

large

integer(\$int32)

100

☐ Send empty value

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
'http://localhost:5169/api/SquashFellows/squashfellows' \
-H 'accept: text/plain' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'small=100&large=100'
```

Request URL

http://localhost:5169/api/SquashFellows/squashfellows

Server response

Code

Details

200

Response body

100 Small @ \$25.50 = \$2550.00; 100 Large @ \$45.50 = \$4550.00; Subtotal = \$7100.00; Tax = \$923.00 HST; Total = \$8023.00

Download

Response headers

Terminal (CURL) testing

```

/Users/Genevieve/Desktop/Web-Dev-Humber/Intro-to-Web-Development-HTTP-5110-0NB/week3 -- -zsh
~/Desktop/Web-Dev-Humber/Web-Design-HTTP-5121-0NB -- -zsh
(base) Genevieve@MacBook-Pro week3 % curl -X 'POST' \
'http://localhost:5169/api/SquashFellows/squashfellows' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'small=1&large=1'
1 Small @ $25.50 = $25.50; 1 Large @ $45.50 = $45.50; Subtotal = $71.00; Tax = $9.23 HST; Total = $80.23%
(base) Genevieve@MacBook-Pro week3 % curl -X 'POST' \
'http://localhost:5169/api/SquashFellows/squashfellows' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'small=2&large=1'
2 Small @ $25.50 = $51.00; 1 Large @ $45.50 = $45.50; Subtotal = $96.50; Tax = $12.54 HST; Total = $109.04%
(base) Genevieve@MacBook-Pro week3 % curl -X 'POST' \
'http://localhost:5169/api/SquashFellows/squashfellows' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'small=100&large=100'
100 Small @ $25.50 = $2550.00; 100 Large @ $45.50 = $4550.00; Subtotal = $7100.00; Tax = $923.00 HST; Total = $8023.00%
(base) Genevieve@MacBook-Pro week3 %

```


All HTTP Requests

a1-http-request <small>1.0</small> <small>OAS3</small> <small>http://localhost:5169/swagger/v1/swagger.json</small>		
Cube ^		
GET	/api/Cube/cube/{base}	▼
Greeting ^		
GET	/api/Greeting/greeting	▼
Hexagon ^		
GET	/api/Hexagon/hexagon	▼
KnockKnock ^		
POST	/api/KnockKnock/knockknock	▼
Secret ^		
POST	/api/Secret/secret	▼
SquashFellows ^		
POST	/api/SquashFellows/squashfellows	▼
TimeMachine ^		
GET	/api/TimeMachine/timemachine	▼
Welcome ^		
GET	/api/Welcome/welcome	▼