C# Assignment 1 Testing Screenshots

Question 1:

Question 2:
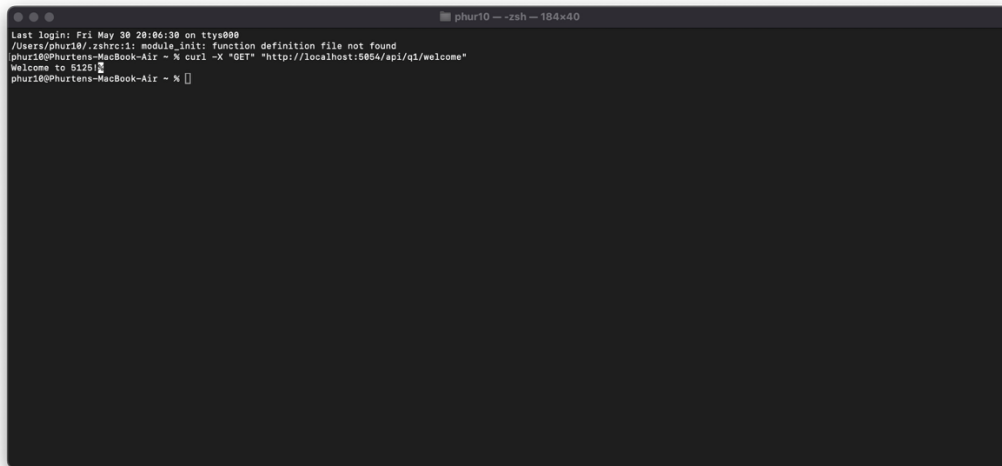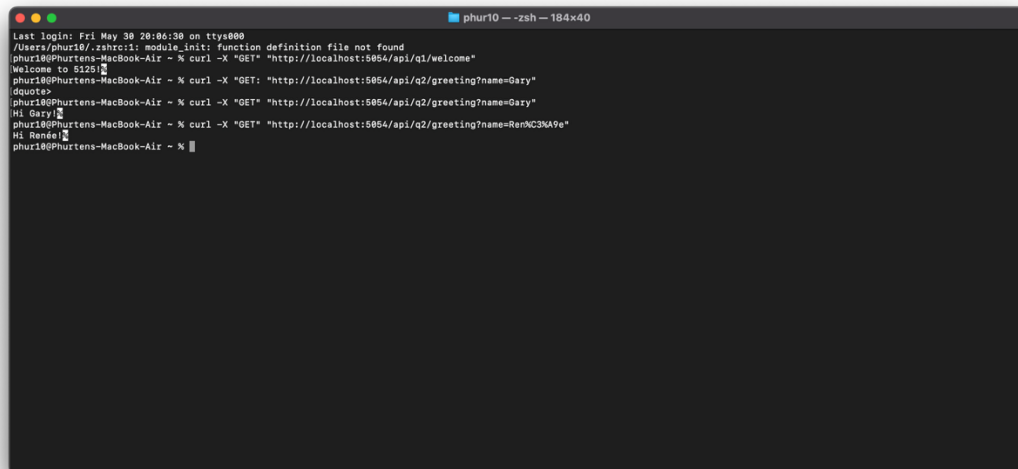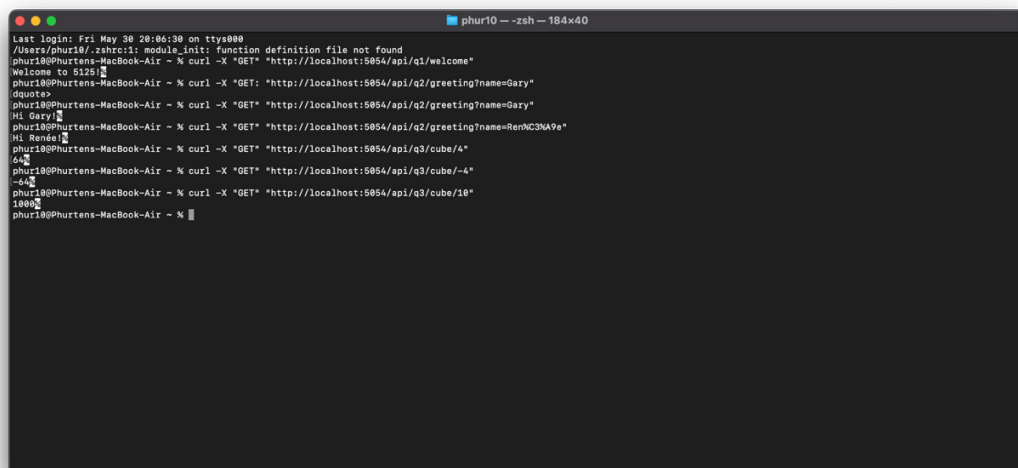

Question 3:

Question 4:

```
                                                                    phur10 — -zsh — 184×40
Last login: Fri May 30 20:06:30 on ttys000
/Users/phur10/.zshrc:1: module_init: function definition file not found
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q1/welcome"
Welcome to 5125!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
dquote>
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
Hi Gary!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Ren%C3%A9e"
Hi Renée!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/4"
64
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/-4"
-64
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/10"
1000
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "" "http://localhost:5054/api/q4/knockknock"
Who's there?
phur10@Phurtens-MacBook-Air ~ %
```

Question 5:

```
                                                                    phur10 — -zsh — 184×40
Last login: Fri May 30 20:06:30 on ttys000
/Users/phur10/.zshrc:1: module_init: function definition file not found
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q1/welcome"
Welcome to 5125!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
dquote>
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
Hi Gary!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Ren%C3%A9e"
Hi Renée!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/4"
64
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/-4"
-64
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/10"
1000
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "" "http://localhost:5054/api/q4/knockknock"
Who's there?
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "5" "http://localhost:5054/api/q5/secret"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.16","title":"Unsupported Media Type","status":415,"traceId":"00-6ec0ee05edb50d1e8c0d463595c1f0c2-fe3eb6e1d578be0e-00"}
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" "Content-Type: application/json" -d "5" "https://localhost:5054/api/Q5/secret"
curl: (3) URL rejected: Malformed input to a URL function
curl: (35) LibreSSL/3.3.6: error:1404B42E:SSL routines:ST_CONNECT:tlsv1 alert protocol version
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "5" -H "Content-Type: application/json" "http://localhost:5054/api/q5/secret"
Shh.. the secret is 5
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "-200" -H "Content-Type: application/json" "http://localhost:5054/api/q5/secret"
Shh.. the secret is -200
phur10@Phurtens-MacBook-Air ~ %
```

Question 6:

```
                                                                    phur10 — -zsh — 184×40
Last login: Fri May 30 20:06:30 on ttys000
/Users/phur10/.zshrc:1: module_init: function definition file not found
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q1/welcome"
Welcome to 5125!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
dquote>
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
Hi Gary!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Ren%C3%A9e"
Hi Renée!
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/4"
64
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/-4"
-64
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/10"
1000
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "" "http://localhost:5054/api/q4/knockknock"
Who's there?
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "5" "http://localhost:5054/api/q5/secret"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.16","title":"Unsupported Media Type","status":415,"traceId":"00-6ec0ee05edb50d1e8c0d463595c1f0c2-fe3eb6e1d578be0e-00"}
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" "Content-Type: application/json" -d "5" "https://localhost:5054/api/Q5/secret"
curl: (3) URL rejected: Malformed input to a URL function
curl: (35) LibreSSL/3.3.6: error:1404B42E:SSL routines:ST_CONNECT:tlsv1 alert protocol version
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "5" -H "Content-Type: application/json" "http://localhost:5054/api/q5/secret"
Shh.. the secret is 5
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "-200" -H "Content-Type: application/json" "http://localhost:5054/api/q5/secret"
Shh.. the secret is -200
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=1"
2.598076211353316
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=1.5"
5.845671475544961
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=20'
dquote>
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=20"
1039.2304845413264
phur10@Phurtens-MacBook-Air ~ %
```

Question 7:

```
Last login: Fri May 30 20:06:30 on ttys000
/Users/phur10/.zshrc:1: module_init: function definition file not found
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q1/welcome"
Welcome to 5125!%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET: "http://localhost:5054/api/q2/greeting?name=Gary"
dquote>
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Gary"
Hi Gary!%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q2/greeting?name=Ren%C3%A9e"
Hi Renée!%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/4"
64%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/-4"
-64%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q3/cube/10"
1000%
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "" "http://localhost:5054/api/q4/knockknock"
Who's there?%
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "5" "http://localhost:5054/api/q5/secret"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.16","title":"Unsupported Media Type","status":415,"traceId":"00-6ec0ee05edb50d1e8c0d463595c1f0c2-fe3eb6e1d578be0e-00"}%
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" "Content-Type: application/json" -d "5" "https://localhost:5054/api/Q5/secret"
curl: (3) URL rejected: Malformed input to a URL function
curl: (35) LibreSSL/3.3.6: error:1404B42E:SSL routines:ST_CONNECT:tlsv1 alert protocol version
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "5" -H "Content-Type: application/json" "http://localhost:5054/api/q5/secret"
Shh.. the secret is 6%
phur10@Phurtens-MacBook-Air ~ % curl -X "POST" -d "-200" -H "Content-Type: application/json" "http://localhost:5054/api/q5/secret"
Shh.. the secret is -200%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=1"
2.598076211353316%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=1.5"
5.845671475544961%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=20'
dquote>
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q6/hexagon?side=20"
1039.230846413264%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q7/timemachine?days=1"
2025-05-31%
phur10@Phurtens-MacBook-Air ~ % curl -X "GET" "http://localhost:5054/api/q7/timemachine?days=-1"
2025-05-29%
phur10@Phurtens-MacBook-Air ~ %
```

Question 8:

```
phur10@Phurtens-MacBook-Air ~ % curl -X POST -d "Small=1&Large=1" "http://localhost:5054/api/q8/squashfellows"
1 Small @ $1.00 = $25.50; 1 Large @ $1.00 = $40.50; Subtotal = $66.00; Tax = $8.58 HST; Total = $74.58%
phur10@Phurtens-MacBook-Air ~ % curl -X POST -d "Small=2&Large=1" "http://localhost:5054/api/q8/squashfellows"
2 Small @ $2.00 = $51.00; 1 Large @ $1.00 = $40.50; Subtotal = $91.50; Tax = $11.90 HST; Total = $103.40%
phur10@Phurtens-MacBook-Air ~ % curl -X POST -d "Small=100&Large=100" "http://localhost:5054/api/q8/squashfellows"
100 Small @ $100.00 = $2550.00; 100 Large @ $100.00 = $4050.00; Subtotal = $6600.00; Tax = $858.00 HST; Total = $7458.00%
phur10@Phurtens-MacBook-Air ~ %
```