

## QUESTION1

```
C:\Windows\System32\cmd.e  x  +  v
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=3&Deliveries=4"
670
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=3&Deliveries=4" -H "Content-Type: application/x-www-form-urlencoded"
670
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=3&Deliveries=4" -H "Content-Type: application/x-www-form-urlencoded"
670
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=3&Deliveries=4.5" -H "Content-Type: application/x-www-form-urlencoded"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Deliveries":["The value '4.5' is not valid."]},"traceId":"00-22a4ab2b5d8f6c2f92df36f1ddd7b0f5-75a85f8f89571f41-00"}
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=3&Deliveries=xyz" -H "Content-Type: application/x-www-form-urlencoded"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Deliveries":["The value 'xyz' is not valid."]},"traceId":"00-be3faa4bb7d1b6730f6e030e0ee34f29-3540be0c6a001468-00"}
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=&Deliveries=" -H "Content-Type: application/x-www-form-urlencoded"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Collisions":["The value '' is invalid."],"Deliveries":["The value '' is invalid."]},"traceId":"00-bfe75b7e921fb40671ee9014aa79e5af-d606e7f62f3d584a-00"}
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=&Deliveries=" -H "Content-Type: application/x-www-form-urlencoded"
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/Delivedroid" -H "Content-Type: application/x-www-form-urlencoded"
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/Delivedroid" -d "Collisions=-4&Deliveries=-3" -H "Content-Type: application/x-www-form-urlencoded"
```

## QUESTION2

```
C:\Windows\System32\cmd.e  X  +  v  -  □  X
Microsoft Windows [Version 10.0.26100.3037]
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C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=3&MediumTreats=5&LargeTreats=2"
happy
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=3&MediumTreats=5&LargeTreats=0"
happy
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=1&MediumTreats=1&LargeTreats=0"
sad
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=&MediumTreats=&LargeTreats="
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.,"status":
400,"errors":{"LargeTreats":["The value '' is invalid."],"SmallTreats":["The value '' is invalid."],"MediumTreats":["The
value '' is invalid."]},"traceId":"00-23219594c97fede76d66b06308e71b9c-fcf19f8e80ebcf2a-00"}
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=1&MediumTreats=0.1&LargeTreats=0.3"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.,"status":
400,"errors":{"LargeTreats":["The value '0.3' is not valid."],"MediumTreats":["The value '0.1' is not valid."]},"traceId
":"00-b6ccf80c720fcf5b7c5afd3c4e47ea44-ee5fb04fcdb8e1e8-00"}
C:\dhara>curl -X "GET" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=-4&MediumTreats=-3&LargeTreats=-2"
sad
C:\dhara>curl -X "POST" "https://localhost:7069/api/J1/BarleyHappiness?SmallTreats=3&MediumTreats=5&LargeTreats=0"

C:\dhara>|
```

## QUESTION3

```
C:\Windows\System32\cmd.e  X  +  v  -  □  X
Microsoft Windows [Version 10.0.26100.3037]
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C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/ChiliPeppers?Ingredients=olives"
0
C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/ChiliPeppers?Ingredients=Poblano,Cayenne,Thai,Poblano"
118000
C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/ChiliPeppers"
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.,"status":
400,"errors":{"Ingredients":["The Ingredients field is required."]},"traceId":"00-a1d3461bde282071d5b170d9556c029b-ade1a
b0b6be07db8-00"}
C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/ChiliPeppers?Ingredients=Poblano,Cayenne,Thai,Poblano"

C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/ChiliPeppers?Ingredients=678"

C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/ChiliPeppers?Ingredients=678.9"

C:\dhara>|
```

## QUESTION4

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.26100.3037]
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C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/Epidemiology?P=2&N=5&R=3"
C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/Epidemiology?P=280&N=5&R=3"
C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/Epidemiology?P=800&N=5&R=3"
C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/Epidemiology?P=800&N=1&R=5"
C:\dhara>curl -X "POST" "https://localhost:7069/api/J2/Epidemiology?P=750&N=1&R=5"
C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/Epidemiology?P=750&N=1&R=5"
4
C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/Epidemiology?P=&N=&R="
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.,"status":
400,"errors":{"N":["The value '' is invalid.],"P":["The value '' is invalid.],"R":["The value '' is invalid."]},"trace
Id":"00-170f3fbb91b6730f85325f6dbf7a4624-b9209adcc6cb00c6-00"}
C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/Epidemiology?P=-3&N=-6&R=-1"
1
C:\dhara>curl -X "GET" "https://localhost:7069/api/J2/Epidemiology"
|
```

## QUESTION5

(SERVER CRASHED)

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.26100.3037]
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C:\dhara>curl -X "GET" "https://localhost:7069/api/Question5/SpecialEvent?N=3&availabilities=Y&availabilities=YY&availab
ilities=YYY"
|
```