

Santhosh Ram R – Chennai Batch

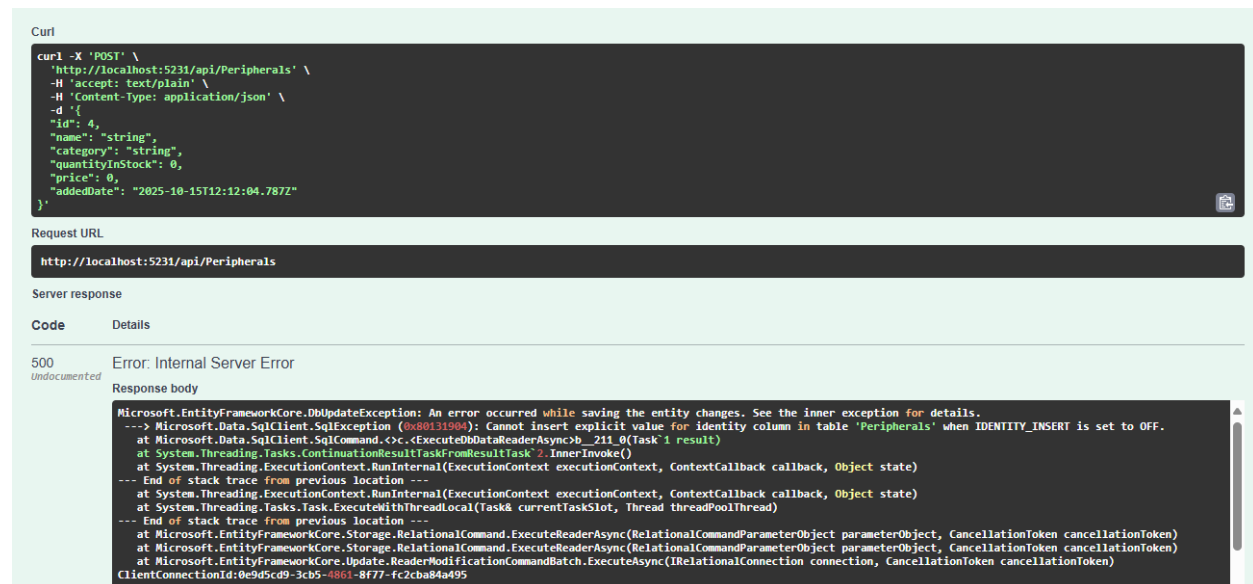
Assignment 6 – 15th October

Steps to Do The Assignment :

- 1) Create a Project using Core Web API
- 2) Create a Model and name it as Peripheral.cs and create the fields
- 3) Add the connection string in appsetting.json
- 4) Update in program.cs
- 5) Create DbContext for the project and Register in program.cs
- 6) Migrate and update db
- 7) Create Repository and Interface the same
- 8) At last Add methods for Controller
- 9) Run and Debug for the Project

Test Results :

If I Enter an Id, then it will arise a Id because it is working by Identity method



```
curl -X 'POST' \
'http://localhost:5231/api/Peripherals' \
-H 'accept: text/plain' \
-H 'Content-Type: application/json' \
-d '{
  "id": 4,
  "name": "string",
  "category": "string",
  "quantityInStock": 0,
  "price": 0,
  "addedDate": "2025-10-15T12:12:04.787Z"
}'
```

Request URL

http://localhost:5231/api/Peripherals

Server response

Code	Details
500	Error: Internal Server Error

Response body

```
Microsoft.EntityFrameworkCore.DbUpdateException: An error occurred while saving the entity changes. See the inner exception for details.
--> Microsoft.Data.SqlClient.SqlException (0x80131904): Cannot insert explicit value for identity column in table 'Peripherals' when IDENTITY_INSERT is set to OFF.
at Microsoft.Data.SqlClient.SqlCommand.<>c.<ExecuteDbDataReaderAsync>b__211_0(Task`1 result)
at System.Threading.Tasks.ContinuationResultTaskFromResultTask`2.InnerInvoke()
at System.Threading.ExecutionContext.RunInternal(ExecutionContext executionContext, ContextCallback callback, Object state)
--- End of stack trace from previous location ---
at System.Threading.ExecutionContext.RunInternal(ExecutionContext executionContext, ContextCallback callback, Object state)
at System.Threading.Tasks.Task.ExecuteWithThreadLocal(Task& currentTaskSlot, Thread threadPoolThread)
--- End of stack trace from previous location ---
at Microsoft.EntityFrameworkCore.Storage.RelationalCommand.ExecuteReaderAsync(RelationalCommandParameterObject parameterObject, CancellationToken cancellationToken)
at Microsoft.EntityFrameworkCore.Storage.RelationalCommand.ExecuteReaderAsync(RelationalCommandParameterObject parameterObject, CancellationToken cancellationToken)
at Microsoft.EntityFrameworkCore.Update.ReaderModificationCommandBatch.ExecuteAsync(IRelationalConnection connection, CancellationToken cancellationToken)
ClientConnectionId:0e9d5cd9-3cb5-4861-8f77-fc2c8a84a495
Error Number:544, State:1, Class:16
```

If I give the Fields correctly then the data are added in the Db Successfully

Code


Details

201

undocumented

Response body

```
{
  "id": 4,
  "name": "Zebronics",
  "category": "Keyboard",
  "quantityInStock": 12,
  "price": 600,
  "addedDate": "2025-10-15T17:43:45.0422442+05:30"
}
```



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Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 15 Oct 2025 12:13:44 GMT
location: http://localhost:5231/api/Peripherals/4
server: Kestrel
transfer-encoding: chunked
```


Responses

Code	Description	Links
200	OK	No links

In GetById method if I enter a wrong Id it arises error

Code	Details
404 <i>undocumented</i>	<div>Error: Not Found</div> <div>Response body</div> <pre>{ "type": "https://tools.ietf.org/html/rfc9110#section-15.5.5", "title": "Not Found", "status": 404, "traceId": "00-23da90517c5c9ae6ad1bd41749cbe450-8f0a230edf918004-00" }</pre> <div>Response headers</div> <pre>content-type: application/problem+json; charset=utf-8 date: Wed, 15 Oct 2025 12:17:03 GMT server: Kestrel transfer-encoding: chunked</pre>
Responses	

If I Enter an Existing Id, then it works fine

Code	Details	
200	<div><div>Response body</div><div><pre>{ "id": 3, "name": "EVO FOX Mouse", "category": "Mouse", "quantityInStock": 23, "price": 568, "addedDate": "2025-10-15T12:02:07.331"}</pre></div><div><div></div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>content-type: application/json; charset=utf-8 date: Wed, 15 Oct 2025 12:19:06 GMT server: Kestrel transfer-encoding: chunked</pre></div></div>	
Responses		
Code	Description	Links
200	OK	No links

In Update Method if I enter a wrong Id then it arises the following error

Code

Details

400

Undocumented

Error: Bad Request

Response body

```
{
  "type": "https://tools.ietf.org/html/rfc9110#section-15.5.1",
  "title": "Bad Request",
  "status": 400,
  "traceId": "00-ba4155c6b5c9163b725e981736422ebe-8d13f52d424e2411-00"
}
```

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Response headers

```
content-type: application/problem+json; charset=utf-8
date: Wed, 15 Oct 2025 12:20:19 GMT
server: Kestrel
transfer-encoding: chunked
```

Responses

Code	Description	Links
200	OK	No links

If I Enter an Existing Id, then it updates fine in the Db Too

Server response

Code

Details

204

Undocumented

Response headers

```
date: Wed, 15 Oct 2025 12:23:43 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	OK	No links

If I Enter an Existing Id, then it Deletes the Data in the Db

Request URL

```
http://localhost:5231/api/Peripherals/2
```

Server response

Code

Details

204

Undocumented

Response headers

```
date: Wed, 15 Oct 2025 12:24:31 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	OK	No links

All The things are Reflected in the Database Also

133 %

Results		Messages				
	Id	Name	Category	QuantityInStock	Price	AddedDate
1	1	Acer	Monitor	20	25000.00	2025-10-15 11:28:57.0040000
2	2	HP	Monitor	7	15000.00	2025-10-15 12:20:12.2600000
3	3	EVO FOX Mouse	Mouse	23	568.00	2025-10-15 12:02:07.3310000
4	4	Zebronics	Keyboard	12	600.00	2025-10-15 17:43:45.0422442

GitHub Link

[Click Here](#)

Thank You!!!