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OCBC – Hacktiv8 Bootcamp

Final Project

CRUD PaymentDetail with JWT Authentication running lokal

AuthManagement APIs

GET API /api/PaymentDetail without Authorization → 401 Unauthorized

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://localhost:5000/api/PaymentDetail
- Buttons:** Send, Params, Authorization, Headers (6), Body, Pre-request Script, Tests, Settings, Cookies
- Query Params:** A table with columns KEY, VALUE, and DESCRIPTION. It contains one row with 'Key' and 'Value'.
- Response:** 401 Unauthorized, 23 ms, 128 B. Status bar shows a red error icon.
- Body:** Pretty, Raw, Preview, Visualize, Text (dropdown), and a copy icon.

POST /api/AuthManagement/Register

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:5000/api/AuthManagement/Register
- Buttons:** Send, Params, Authorization, Headers (8), Body (selected), Pre-request Script, Tests, Settings, Cookies
- Body Type:** none, form-data, x-www-form-urlencoded, raw (selected), binary, GraphQL, JSON (dropdown), Beautify
- Request Body (JSON):**

```
1 {
2   "username": "new_user",
3   "email": "new_user@example.com",
4   "password": "Password_123"
5 }
```
- Response:** 200 OK, 2.13 s, 162 B. Status bar shows a green success icon.
- Body:** Pretty, Raw, Preview, Visualize, Text (dropdown), and a copy icon.
- Response Body (JSON):**

```
1 {
2   "success": true
3 }
```

POST /api/AuthManagement/Login

POST

http://localhost:5000/api/AuthManagement/Login

Send

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

● none● form-data● x-www-form-urlencoded● raw● binary● GraphQLJSONBeautify

```
1
2  {
3    "email": "new_user@example.com",
4    "password": "Password_123"
  }
```

BodyCookiesHeaders (4)Test Results200 OK114 ms627 BSave Response

PrettyRawPreviewVisualizeJSON

```
1
2  {
3    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJJZCI6IjMwM2IzOGYlTE0ZTIiNGE4My05MzViLWI5Mjg1MTJhNWJmMSIsImVtYWlsIjoibmV3X3VzZXZJAZXhhbXBsZS5jb20iLCJzdWIiOiJuZXdfdXN1ckBleGFtcGx1LmNvbSIsImp0aSI6ImQyMmRkYmYxLTU0MGMtNGQ2MC04YTE1LWFKMzgyNWZmQ2MCIsIm5iZiI6MTYzNTA4ODkxNCwiZXhwIjoxNjM1MDkwMTE0LCJpYXQ1OjE2MzUwODg5MTR9.aYUow1SoL0205018P5NSxko8oDDTOJwIQSRUCbuR_Co",
4    "refreshToken": "OFGYBYUL1JH732NNS8S9F6JNE8NFLFAPL2N08b609f4-2c70-4c75-b1e9-0683fb15b370",
5    "success": true,
6    "errors": null
  }
```

POST /api/AuthManagement/refreshToken (1)

POST

http://localhost:5000/api/AuthManagement/RefreshToken

Send

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

● none● form-data● x-www-form-urlencoded● raw● binary● GraphQLJSONBeautify

```
1
2  {
3    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJJZCI6IjMwM2IzOGYlTE0ZTIiNGE4My05MzViLWI5Mjg1MTJhNWJmMSIsImVtYWlsIjoibmV3X3VzZXZJAZXhhbXBsZS5jb20iLCJzdWIiOiJuZXdfdXN1ckBleGFtcGx1LmNvbSIsImp0aSI6ImQyMmRkYmYxLTU0MGMtNGQ2MC04YTE1LWFKMzgyNWZmQ2MCIsIm5iZiI6MTYzNTA4ODkxNCwiZXhwIjoxNjM1MDkwMTE0LCJpYXQ1OjE2MzUwODg5MTR9.aYUow1SoL0205018P5NSxko8oDDTOJwIQSRUCbuR_Co",
4    "refreshToken": "OFGYBYUL1JH732NNS8S9F6JNE8NFLFAPL2N08b609f4-2c70-4c75-b1e9-0683fb15b370"
  }
```

BodyCookiesHeaders (4)Test Results200 OK92 ms237 BSave Response

PrettyRawPreviewVisualizeJSON

```
1
2  {
3    "token": null,
4    "refreshToken": null,
5    "success": false,
6    "errors": [
7      "Token has not yet expired"
8    ]
  }
```

POST /api/AuthManagement/refreshToken (2) (Token Expired after 20 minutes)

Body Cookies Headers (4) Test Results

Pretty

Raw

Preview

Visualize

JSON



```
1 {  
2   "token": null,  
3   "refreshToken": null,  
4   "success": false,  
5   "errors": [  
6     "Token has expired please re-login"  
7   ]  
8 }
```

PaymentDetail APIs

Set Authorization

| | | |
|-------------------------------------|---------------|--|
| <input checked="" type="checkbox"/> | Authorization | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpX... |
|-------------------------------------|---------------|--|

GET http://localhost:5000/api/PaymentDetail

ocbc-hactive8-bootcamp / Docker_local / http://localhost:5000/api/PaymentDetail

GET

http://localhost:5000/api/PaymentDetail

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (4)Test Results

PrettyRawPreviewVisualizeJSON

1[

2 {

3 "paymentDetailId": 1,

4 "cardOwnerName": "string",

5 "cardNumber": "string",

6 "expirationDate": "string",

7 "securityCode": "string"

8 },

9 {

10 "paymentDetailId": 2,

11 "cardOwnerName": "string",

12 "cardNumber": "number",

13 "expirationDate": "string",

14 "securityCode": "string"

15 }

16]}

POST http://localhost:5000/api/PaymentDetail

ocbc-hactive8-bootcamp / Docker_local / http://localhost:5000/api/PaymentDetail

POST ⌵ http://localhost:5000/api/PaymentDetail

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ⌵

```
1 {
2   "paymentDetailId": 3,
3   "cardOwnerName": "Roy",
4   "cardNumber": "123456",
5   "expirationDate": "30/05/2026",
6   "securityCode": "443"
7 }
```

Body Cookies Headers (5) Test Results

Pretty

Raw

Preview

Visualize

JSON ⌵



```
1 {
2   "paymentDetailId": 3,
3   "cardOwnerName": "Roy",
4   "cardNumber": "123456",
5   "expirationDate": "30/05/2026",
6   "securityCode": "443"
7 }
```

POST API Result

ocbc-hactive8-bootcamp / Docker_local / http://localhost:5000/api/PaymentDetail/1

GET ⌵ http://localhost:5000/api/PaymentDetail/3

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON ⌵

```
1 {
2   "paymentDetailId": 3,
3   "cardOwnerName": "Roy",
4   "cardNumber": "123456",
5   "expirationDate": "30/05/2026",
6   "securityCode": "443"
7 }
```

PUT http://localhost:5000/api/PaymentDetail

ocbc-hactive8-bootcamp / Docker_local / http://localhost:5000/api/PaymentDetail Copy

PUT ⌵ http://localhost:5000/api/PaymentDetail/2

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ⌵

```
1 {
2   "paymentDetailId": 2,
3   "cardOwnerName": "Feny",
4   "cardNumber": "333111",
5   "expirationDate": "22/10/2026",
6   "securityCode": "477"
7 }
```

Body Cookies Headers (2) Test Results

Pretty

Raw

Preview

Visualize

Text ⌵



1

PUT API Result

GET ⌵ http://localhost:5000/api/PaymentDetail/2

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON** ⌵

```
1 {
2   "paymentDetailId": 2,
3   "cardOwnerName": "Feny",
4   "cardNumber": "333111",
5   "expirationDate": "22/10/2026",
6   "securityCode": "477"
7 }
```

DELETE http://localhost:5000/api/PaymentDetail

DELETE

http://localhost:5000/api/PaymentDetail/1

ParamsAuthorizationHeaders (8)Body●Pre-request ScriptTestsSettings

BodyCookiesHeaders (4)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "paymentDetailId": 1,
3   "cardOwnerName": "string",
4   "cardNumber": "string",
5   "expirationDate": "string",
6   "securityCode": "string"
7 }
```

DELETE API RESULT

GET

http://localhost:5000/api/PaymentDetail

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (4)Test Results

PrettyRawPreviewVisualizeJSON

```
1 [
2   {
3     "paymentDetailId": 2,
4     "cardOwnerName": "Feny",
5     "cardNumber": "333111",
6     "expirationDate": "22/10/2026",
7     "securityCode": "477"
8   },
9   {
10    "paymentDetailId": 3,
11    "cardOwnerName": "Roy",
12    "cardNumber": "123456",
13    "expirationDate": "30/05/2026",
14    "securityCode": "443"
15  }
16 ]
```