

SLIIT | DEPARTMENT OF COMPUTER SCIENCE & SOFTWARE ENGINEERING | FACULTY OF COMPUTING

Module - Current Trends in Software Engineering (SE4010) | 2026 | Semester 2

Student ID: IT22051448

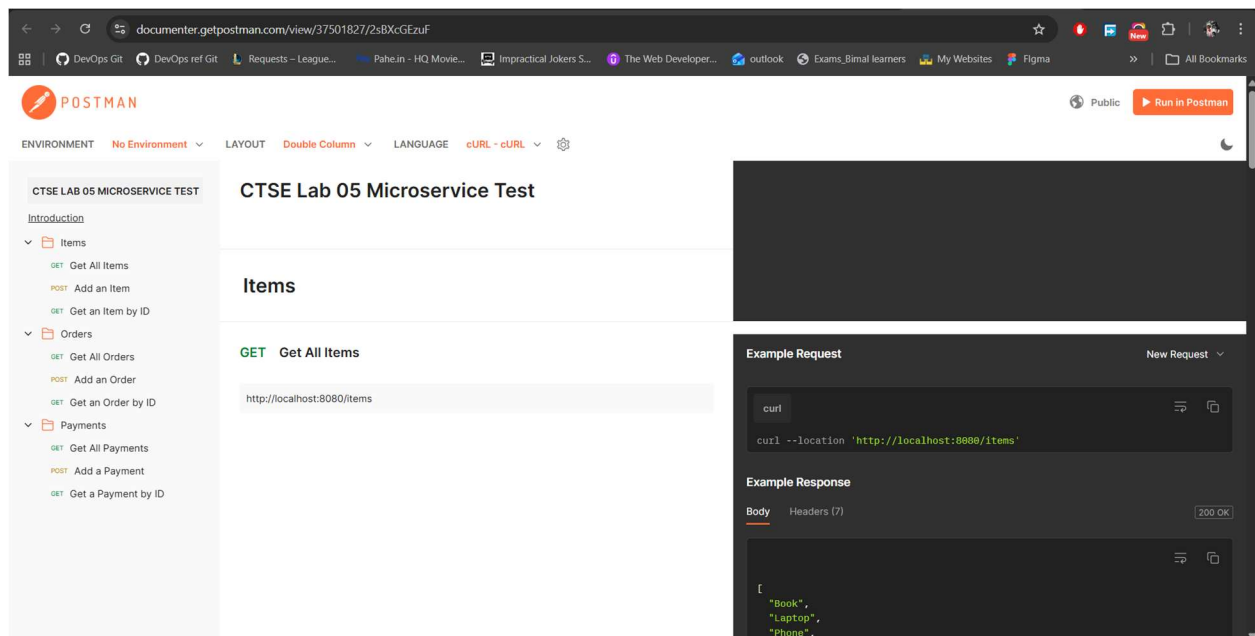
Name: Kingsley C N

Lab: 05

API Testing Evidence Document

Link → <https://documenter.getpostman.com/view/37501827/2sBXcGEzuF>

Note: If the above link does not work, kindly refer to the screenshots below.



documenter.getpostman.com/view/37501827/2sBXcGEzuF

ENVIRONMENT No Environment LAYOUT Double Column LANGUAGE cURL - cURL

CTSE LAB 05 MICROSERVICE TEST

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an Item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

POST Add an Item

http://localhost:8080/items

Body raw (json)

```
json
{
  "name": "Headphones"
}
```

Example Request

```
curl --location 'http://localhost:8080/items' \
--data '{
  "name": "Headphones"
}'
```

Example Response

Body Headers (7) 201 CREATED

Item added: Headphones

GET Get an Item by ID

http://localhost:8080/items/4

documenter.getpostman.com/view/37501827/2sBXcGEzuF

ENVIRONMENT No Environment LAYOUT Double Column LANGUAGE cURL - cURL

CTSE LAB 05 MICROSERVICE TEST

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an Item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

Orders

GET Get All Orders

http://localhost:8080/orders

Example Response

Body Headers (7) 200 OK

Headphones

Example Request

```
curl --location 'http://localhost:8080/orders'
```

Example Response

Body Headers (5) 200 OK

```
[
  {
    "customerId": "C001",
```

documenter.getpostman.com/view/37501827/2sBXcGEzuF

ENVIRONMENT No Environment LAYOUT Double Column LANGUAGE cURL - cURL

CTSE LAB 05 MICROSERVICE TEST

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an Item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

POST Add an Order

http://localhost:8080/orders

Body raw (json)

```
json
{
  "item": "Laptop",
  "quantity": 2,
  "customerid": "C001"
}
```

Example Request Add an Order

```
curl
curl --location 'http://localhost:8080/orders' \
--data '{
  "item": "Laptop",
  "quantity": 2,
  "customerid": "C001"
}'
```

Example Response

Body Headers (5) 201 CREATED

```
{
  "customerid": "C001",
  "id": 1,
  "item": "Laptop",
  "quantity": 2,
  "status": "PENDING"
}
```

documenter.getpostman.com/view/37501827/2sBXcGEzuF

ENVIRONMENT No Environment LAYOUT Double Column LANGUAGE cURL - cURL

CTSE LAB 05 MICROSERVICE TEST

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an Item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

GET Get an Order by ID

http://localhost:8080/orders/1

Example Request Get an Order by ID

```
curl
curl --location 'http://localhost:8080/orders/1'
```

Example Response

Body Headers (5) 200 OK

```
{
  "customerid": "C001",
  "id": 1,
  "item": "Laptop",
  "quantity": 2,
  "status": "PENDING"
}
```

Payments

GET Get All Payments

Example Request Get All Payments

documenter.getpostman.com/view/37501827/2sBXcGEzUF

ENVIRONMENT No Environment LAYOUT Double Column LANGUAGE cURL - cURL

CTSE LAB 05 MICROSERVICE TEST

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

GET Get All Payments

http://localhost:8080/payments

POST Add a Payment

http://localhost:8080/payments/process

Body raw (json)

Example Request Get All Payments

```
curl --location 'http://localhost:8080/payments'
```

Example Response

Body Headers (5) 200 OK

```
{  "amount": 1299.99,  "id": 1,  "method": "CARD",  "orderId": 1,  "status": "SUCCESS"}
```

Example Request Add a Payment

```
curl --location 'http://localhost:8080/payments/process'
```

documenter.getpostman.com/view/37501827/2sBXcGEzUF

ENVIRONMENT No Environment LAYOUT Double Column LANGUAGE cURL - cURL

CTSE LAB 05 MICROSERVICE TEST

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

GET Get a Payment by ID

http://localhost:8080/payments/{id}

json

```
{  "orderId": 1,  "amount": 1299.99,  "method": "CARD"}
```

Example Request Get a Payment by ID

```
curl --data '{  "orderId": 1,  "amount": 1299.99,  "method": "CARD" }' --location 'http://localhost:8080/payments/1'
```

Example Response

Body Headers (5) 201 CREATED

```
{  "amount": 1299.99,  "id": 1,  "method": "CARD",  "orderId": 1,  "status": "SUCCESS"}
```

Example Request Add a Payment

```
curl --location 'http://localhost:8080/payments/process'
```

Example Response

Body Headers (5) 200 OK

```
{  "amount": 1299.99,  "id": 1,  "method": "CARD",  "orderId": 1,  "status": "SUCCESS"}
```

documenter.getpostman.com/view/37501827/2sBXcGEzUF

DevOps GitDevOps ref GitRequests - League...Pahe.in - HQ Movie...Impractical Jokers S...The Web Developer...outlookExams_Bimal learnersMy WebsitesFigmaAll Bookmarks

ENVIRONMENTNo EnvironmentLAYOUTDouble ColumnLANGUAGEcURL - cURL

Introduction

- Items
 - GET Get All Items
 - POST Add an Item
 - GET Get an Item by ID
- Orders
 - GET Get All Orders
 - POST Add an Order
 - GET Get an Order by ID
- Payments
 - GET Get All Payments
 - POST Add a Payment
 - GET Get a Payment by ID

GET Get a Payment by ID

http://localhost:8080/payments/{id}

```
{
  "amount": 1299.99,
  "id": 1,
  "method": "CARD",
  "orderId": 1,
  "status": "SUCCESS"
}
```

Example Request

Get a Payment by ID

curl

curl --location 'http://localhost:8080/payments/1'

Example Response

BodyHeaders (5)200 OK

```
{
  "amount": 1299.99,
  "id": 1,
  "method": "CARD",
  "orderId": 1,
  "status": "SUCCESS"
}
```