

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

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

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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.

The screenshot shows the Postman application interface. The left sidebar displays a tree structure of API endpoints under 'CTSE LAB 05 MICROSERVICE TEST'. The 'Items' section contains three methods: 'GET Get All Items', 'POST Add an Item', and 'GET Get an Item by ID'. The 'Orders' section contains three methods: 'GET Get All Orders', 'POST Add an Order', and 'GET Get an Order by ID'. The 'Payments' section contains three methods: 'GET Get All Payments', 'POST Add a Payment', and 'GET Get a Payment by ID'. The main panel shows a 'Items' section with a 'GET Get All Items' request. The 'curl' command for this request is: curl --location 'http://localhost:8080/items'. The 'Example Response' section shows a JSON array: ["Book", "Laptop", "Phone",].

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)

```
curl  
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

curl
curl --location 'http://localhost:8080/items/4'

Example Response

Body Headers (7) 200 OK

```
Headphones
```

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

Orders

GET Get All Orders

http://localhost:8080/orders

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

Example Response

Body Headers (5) 200 OK

```
[  
  {  
    "customerId": "C001",  
    "orderDate": "2023-10-01T12:00:00Z",  
    "status": "PENDING",  
    "items": [  
      {"id": 1, "name": "Headphones", "quantity": 1, "price": 100},  
      {"id": 2, "name": "Smartphone", "quantity": 1, "price": 500}  
    ]  
}
```

The screenshot shows a Postman document titled "CTSE LAB 05 MICROSERVICE TEST". The left sidebar lists various endpoints under sections like "Items", "Orders", and "Payments". The main area displays a "POST Add an Order" request. The URL is `http://localhost:8080/orders`. The "Body raw (json)" field contains the following JSON:

```
{
  "item": "Laptop",
  "quantity": 2,
  "customerId": "C001"
}
```

The "Example Request" section shows a curl command:

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

The "Example Response" section shows a JSON response with status 201 CREATED:

```
{
  "customerId": "C001",
  "id": 1,
  "item": "laptop",
  "quantity": 2,
  "status": "PENDING"
}
```

The screenshot shows a Postman document titled "CTSE LAB 05 MICROSERVICE TEST". The left sidebar lists various endpoints under sections like "Items", "Orders", and "Payments". The main area displays a "GET Get an Order by ID" request. The URL is `http://localhost:8080/orders/1`. The "Example Request" section shows a curl command:

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

The "Example Response" section shows a JSON response with status 200 OK:

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

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 - POST Add a Payment
 - GET Get a Payment by ID

GET Get All Payments

http://localhost:8080/payments

Example Request

```
curl
```

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

Example Response

Body Headers (5) 200 OK

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

POST Add a Payment

http://localhost:8080/payments/process

Body raw (JSON)

Example Request

```
curl
```

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

Example Response

Add a Payment

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

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 - 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}

Example Request

```
curl
```

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

Example Response

Get a Payment by ID

Body Headers (5) 200 OK

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

The screenshot shows the Postman application interface. On the left, there's a sidebar with a tree view of collections and environments. The main area displays a specific API endpoint:

GET Get a Payment by ID

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

Example Request

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

Example Response

Body

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

Headers (5)

200 OK