

1. GET /transactions

List all SMS transactions.

Sample Request: /transactions

Sample Response:

```
[{"id": 1, "timestamp": "2025-09-30 12:00:00", "amount": 1500.0, "transaction_type": "MOMO_IN", "sender": "08012345678"}, {"id": 2, "timestamp": "2025-09-30 13:00:00", "amount": 500.0, "transaction_type": "MOMO_OUT", "receiver": "08087654321"}]
```

Error Codes:

401 Unauthorized (invalid credentials)

404 Not Found (wrong path)

2. GET /transactions/{id}

View one transaction by ID.

Sample Request: /transactions/1

Sample Response (success):

```
{"id": 1, "timestamp": "2025-09-30 12:00:00", "amount": 1500.0, "transaction_type": "MOMO_IN", "sender": "08012345678" }
```

Sample Response (unsuccessful – 404):

```
{"message": "Not found"}
```

Error Codes:

400 Bad Request (invalid ID format)

401 Unauthorized

404 Not Found

3. POST /transactions

Add a new transaction.

Sample Request (success):

```
POST /transactions { "timestamp": "2025-09-30 12:34:56", "amount": 1200.50, "transaction_type": "MOMO_IN", "sender": "08012345678" }
```

Sample Response (success):

```
{"id": 3, "timestamp": "2025-09-30 12:34:56", "amount": 1200.5, "transaction_type": "MOMO_IN", "sender": "08012345678" }
```

Sample Request (unsuccessful):

```
POST /transactions { "timestamp": "2025/09/30", "amount": "twelve hundred" }
```

Sample Response (unsuccessful – 400):

```
{"message": "Missing fields"}
```

Error Codes:

400 Bad Request (missing or invalid JSON fields)

401 Unauthorized

4. PUT /transactions/{id}

Update an existing transaction.

Sample Request (success):

```
PUT /transactions/1 { "timestamp": "2025-09-30 14:00:00", "amount": 1600.0, "sender": "08099999999" }
```

Sample Response (success):

```
{"message": "Updated"}
```

Sample Request (unsuccessful – 400):

```
PUT /transactions/1 { "timestamp": "2025/09/30", "amount": "one thousand six hundred" }
```

Sample Response (unsuccessful – 400):

```
{"message": "Invalid JSON"}
```

Error Codes:

400 Bad Request (invalid ID or JSON)

401 Unauthorized

404 Not Found

5. DELETE /transactions/{id}

Delete a transaction.

Sample Request: DELETE /transactions/1

Sample Response (success):

```
{"message": "Deleted"}
```

Sample Response (unsuccessful – 404):

```
{"message": "Not found"}
```

Error Codes:

400 Bad Request (invalid ID format)

401 Unauthorized

404 Not Found