#### Foreign Exchange Application API Documentation

#### 1. Introduction

This API documentation provides details about the endpoints available in the Foreign Exchange Application.

Base URL: `http://localhost:8080`

Swagger: http://localhost:8080/swagger-ui/index.html

### 2. Endpoints

# 2.1. Show Exchange Rates

- URL: `/exchange`

- Method: `GET`

- Description: Displays available currencies and their exchange rates.

- Response: HTML page containing exchange rates.

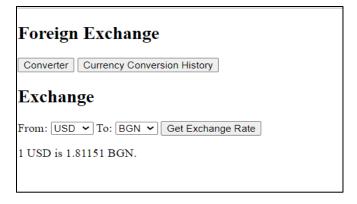
#### 2.2. Exchange Currency

- URL: `/exchange`

- Method: `POST`

- Description: Performs currency exchange based on provided transaction details.

- Request Body:
- `CurrencyConversionDto` containing transaction details.
- Response:
- Successful: Returns a string indicating the exchanged amount and currencies.
- Error: Returns an error message in case of failure.



# 2.3. Show Exchange Rate Converter

- URL: \'/convert\`

- Method: `GET`

- Description: Displays a converter for currency exchange rates.

- Response: HTML page containing currency conversion form.

#### 2.4. Convert Currency

- URL: `/convert`

- Method: `POST`

- Description: Converts currency based on provided transaction details.
- Request Body:
- `CurrencyConversionDto` containing transaction details.
- Response:
- Successful: Returns a string indicating the converted amount and currencies.
- Error: Returns an error message in case of failure.



# 2.5. Show Currency Conversion History

- URL: `/conversions`

- Method: `GET`

- Description: Displays the history of currency conversions.

- Response: HTML page containing currency conversion history.

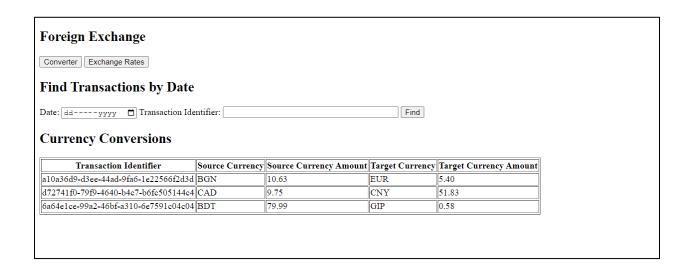
# 2.6. Find Currency Conversion Transactions

- URL: \( /conversions \)

- Method: `POST`

- Description: Finds currency conversion transactions based on optional parameters.

- Request Parameters:
- `date` (optional): Date of transaction (ISO format).
- `transactionIdentifier` (optional): Identifier for the transaction.
- Response: HTML page containing matching currency conversion transactions.



# 3. Error Handling

- Errors are returned with appropriate status codes and descriptive error messages.



