**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.

A screen shot of a computer screen

Description automatically generated

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.

A screenshot of a web page

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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.

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3. Error Handling

A screenshot of a currency exchange

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

A screenshot of a web page

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