

RAILS RESTful API

Problem 1:

"Build a Rails RESTful API for currency conversion, allowing users to convert an amount from one currency to another using real-time or static exchange rates."

Instructions:

1. Set up a new Rails API-only application.
2. Create an endpoint (e.g., POST /convert) that accepts:
 - amount (decimal)
 - from_currency (string, e.g., "USD")
 - to_currency (string, e.g., "EUR")
3. Implement logic to fetch exchange rates (either from a static hash or an external API like ExchangeRate-API or Open Exchange Rates).
4. Calculate and return the converted amount.
5. Use postman API to call the controller and get the converted currency value.

Problem 2:

Develop a Rails RESTful API for managing a bookstore with full CRUD operations and test the endpoints using Postman."

Instructions:

1. Set up a new Rails API-only application.
2. Generate a Book model with attributes:
 - title:string
 - author:string
 - price:decimal
 - published_date:date
3. Create a controller with RESTful actions:
 - index (list all books)
 - show (retrieve a single book)
 - create (add a new book)
 - update (edit a book's details)
 - destroy (delete a book)
4. Test using Postman:
 - Use GET, POST, PUT/PATCH, and DELETE requests.
 - Verify responses and error handling (e.g., missing fields, invalid data).