

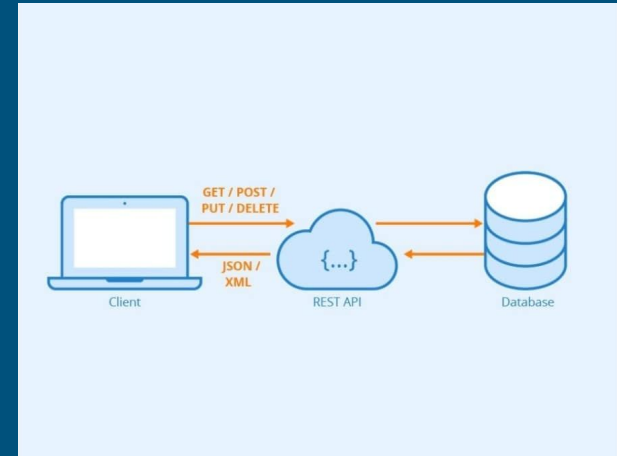


GPT-Assisted Test Data Generation in POSTMAN



Web API Testing

- On both developing a Web API and using Web API in your applications. One important factor is how can you make sure the API follows the typical RESTful behaviors (CRUD).
- And for most users, Web API is essential a black-box which:
 - User send request
 - Receives response within expectations
 - No information about the rest
- Therefore, testing the behaviors of Web API is important.



POSTMAN Flow

- POSTMAN
 - Popular API development and testing platform
 - User-friendly interface for designing/building/testing APIs
- Postman Flow
 - New feature from Nov 2022
 - Allow flow-chart-like executions of API calls
 - Build reproducible flow patterns



GPT-3 Integration inside POSTMAN

- In POSTMAN, there is no good way of generate Test Data to make API calls
 - Random data
 - Valid/Invalid Data
 - Data of specified format
- By putting GPT-3 in POSTMAN Flow, user can leverage the LLM and GPT-3's broader knowledge of API Testing to generate usable data.

Simple Demo

https://drive.google.com/file/d/1_TQ3IWCrVjfDwZuZOoVPxKesSlpThbUj/view?usp=sharing