API INTERVIEW CHEAT SHEET

Learn the top API interview questions and answers to ace the technical interview

educative

API FUNDAMENTALS

What are APIs?
- APIs are software that act as intermediaries between apps to help them communicate with each other using HTTP requests.

Types of APIs
- Open APIs
- Closed APIs
- Partner APIs
- Composite APIs

API TESTING

What is API testing?
- API testing is a software testing strategy that ensures APIs are stable, functional, reliable & secure.

API testing advantages
- Convenience
- Better than GUI testing
- Language Independent
- Flexibility in coding language

REST VS SOAP

REST
- Uses XML or JSON
- Supports HTTP
- Faster thasn SOAP
- Supports caching

SOAP
- Supports XML
- Supports HTTP & HTTPS
- More secure than REST
- Doesn't support caching

API TESTING VS UNIT TESTING

API testing
- Uses whitebox testing
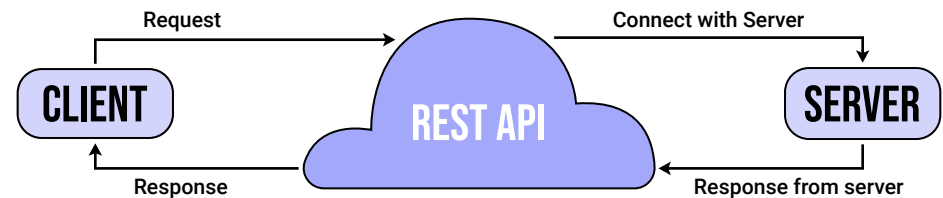- Tests functionality

Unit testing
- Uses black-box testing
- Tests individual code units

CRUD

This acronym represents the four basic operations common to relational databases: create, read, update, and delete.

REST API ARCHITECTURE IMAGE

MORE API QUESTIONS

WHAT IS API AUTHENTICATION?
API authentication is the process of verifying that an API user has permission to access the data and resources they are requesting.

WHAT IS RUNSCOPE?
Runscope is a web application used to monitor, debug, and performance test web service APIs.

WHAT IS API DOCUMENTATION?
API documentation is technical content that describes the API in detail. It includes everything you need to know about the API, from effective integration to updates to the API lifecycle and test design and coverage.