

Advance API Testing Interview QnA Part 2 – 5 QnA

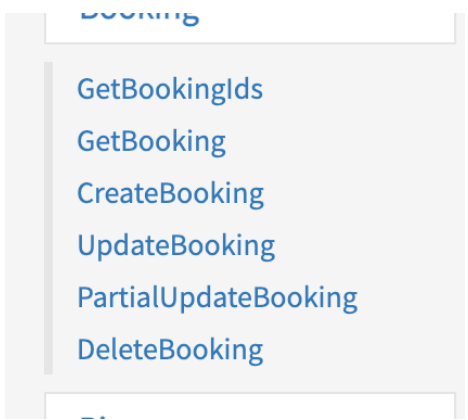
Question 1 - How will you validate 10,000 Records where Data Type mismtach happens in Response?

- You Don't have to iterate over all the records
- You can verify the Data Types of key and Value by JSON Schema Validation
- You can verify the same using pattern, JSON Path extra
- They are checking How you handle large chunk data.
- You can verify missing keys if any also
- Read more

<https://www.jsonschema.net/>  
<https://www.youtube.com/c/TheTestingAcademy/search?query=json%20schema>

Question 2 - Write a Collection in POSTMAN to Test the Restful Booker App an Integration Scenarios?

- They want to see Create, Update, Delete and Get a Booking as verification
- POST, PATCH, DELETE, GET
- Auth Types they will Discuss
- Integration Scenarios are Flow of APIs
- POSTMAN Collection



<https://restful-booker.herokuapp.com/apidoc/index.html>

Question 3 - Make a SOAP Request to URL given and fetch the VERIFY THE expected?

- Given a URL of SOAP
- Given payload, verify conversion
- Convert to JSON for easy in POSTMAN
- SOAP Message decoding Explain
- XML, POST and What is SOAP?

<https://www.getpostman.com/collections/641eba3159af83667d4e>  
<https://www.w3schools.com/xml/tempconvert.aspx>  

```
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <FahrenheitToCelsius xmlns="https://www.w3schools.com/xml/">
      <Fahrenheit>75</Fahrenheit>
    </FahrenheitToCelsius>
  </soap12:Body>
</soap12:Envelope>
```

Question 4 : Create a Pojo Class for the Response (with Nested Class?)

- Response is shared
- Create POJO for it (jackson)
- Explain Pojo and why it is used
- <https://www.jsonschema2pojo.org/>
- IntelliJ Plugin

```
{
  "firstname": "John",
  "lastname": "Terry",
  "totalprice": 5000,
  "depositpaid": false,
  "bookingdates": {
    "checkin": "2020-01-01",
    "checkout": "2020-12-31"
  },
  "additionalneeds": "Lunch"
}

package com.example;

import javax.annotation.Generated;
import com.fasterxml.jackson.annotation.JsonInclude;
import com.fasterxml.jackson.annotation.JsonProperty;
import com.fasterxml.jackson.annotation.JsonPropertyOrder;

@JsonInclude(JsonInclude.Include.NON_NULL)
@JsonPropertyOrder({
    "key"
})
@Generated("jsonschema2pojo")
public class Example {

    @JsonProperty("key")
    private String key;

    @JsonProperty("key")
    public String getKey() {
        return key;
    }

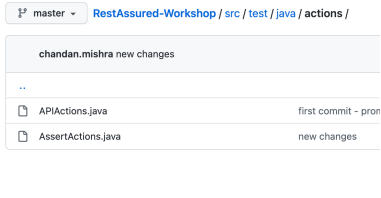
    @JsonProperty("key")
    public void setKey(String key) {
        this.key = key;
    }

    {
        "key" : "value"
    }
}
```

- POJO stands for Plain Old Java Object
- POJOs basically define an entity
- POJO is an object which encapsulates Business Logic
- Serializable , DeSerializable
- It is used when you don't want to give restriction on your members and give user complete access of your entity
- This increases the chance that this can be reused in multiple project types ( web, desktop, console etc).
- Subtopic 1
- Subtopic 2
- Pojo Geneartor

Question 5 : Explain Structure of API Automation Framework?

- Building API Automation Framework in Rest Assured
- Full Framework



src, pom,  
Screenshot 2022-07-27 at 12.23.39 PM.png  
BaseTest.java  
GetRepoTest.java  
PostCreateRepo.java  
Subtopic 2  
API Automation - <https://github.com/apitestingco/RestAssured-Workshop/tree/master/src/test/java/actions>

Advance POSTMAN Collection for Live Projects

- <https://www.getpostman.com/collections/759cc00b76c41cdc9435>
- Postman - LIVE Project 36 requests
  - 1. LocalServer Person
  - 2. GitHub
  - 3. File Upload API
  - 5. JSON Schema Validation
  - 6. Validation
  - Authentication
  - Spotify Playlist (OAuth)
- LIVE Projects

