

# Java API Webservice Automation Pack

**Estimated Duration:** 1-2 hours (This is just a guidance, it could take you more or less time which fine).

## API Under Test

The following open-source API allows a user to create, list, update and delete objects.

<https://restful-api.dev/>

The following endpoints will be used for this test:

- Add an object: POST: <https://api.restful-api.dev/objects>
- Get an object: GET <https://api.restful-api.dev/objects/{id}>
- List all objects: GET <https://api.restful-api.dev/objects>
- Delete an object: DELETE <https://api.restful-api.dev/objects/{id}>

## Candidate requirements

Given a high-level set of scenarios, we would expect a candidate to provide a running solution that demonstrates the following:

Required:

- Automate a set of scenarios that will include multiple rest calls
- Be able to share information between rest calls in a given test case
- Demonstrate ability to design and implement effective error and edge cases
- Utilise BDD (cucumber) when automating the tests
- Demonstrate ability to design good assertions ideally utilising JSON Path
- Demonstrate ability to go beyond the given set of scenarios with justification

Nice to have:

- Follow clean code practices such as good naming and method design
- Provide the solution using Git (Can also be provided via email)
- Demonstrate ability to design and implement setup and clean-up steps

## Example Scenarios

These scenarios can be used and implemented, you can also implement your own scenarios.

```
Scenario: Verify an item can be created
Given a "Apple MacBook Pro 16" item is created
And is a "Intel Core i9" CPU model
And has a price of "1849.99"
When the request to add the item is made
Then a 200 response code is returned
And a "Apple MacBook Pro 16" is created
```

```
Scenario: Ability to return an item
```

```
Scenario: Ability to list multiple items
```