


API TEST AUTOMATION USING KARATE





Karate is a BDD testing framework instead of a TDD. The BDD syntax popularized by Cucumber is language-neutral and easy for even non-programmers.

Assertions and HTML reports are built-in, and you can run tests in parallel for speed.

1. SETUP

CREATE MAVEN PROJECT ADD THE
KARATE-APACHE AND KARATE-JUNIT4
DEPENDENCY TO THE POM.XML

```
<dependency>
  <groupId>com.intuit.karate</groupId>
  <artifactId>karate-apache</artifactId>
  <version>0.6.0</version>
</dependency>
<dependency>
  <groupId>com.intuit.karate</groupId>
  <artifactId>karate-junit4</artifactId>
  <version>0.6.0</version>
</dependency>
```



2. CREATE SCENARIOS IN A GHERKIN FEATURE FILE IN MAVEN PROJECT

<Scenario: Testing valid GET endpoint

Given URL 'http://localhost:8097/user/get'

When method GET

Then status 200

3. VALIDATE RESPONSE IN FEATURE FILE

Scenario: Testing the exact response of a GET endpoint

Given URL 'http://localhost:8097/user/get'

When method GET

Then status 200

And match \$ == {id:"1234",name:"John Smith"}

Scenario: Testing a POST endpoint with request body

Given url 'http://localhost:8097/user/create'

And request { id: '1234' , name: 'John Smith' }

When method POST

Then status 200

And match \$ contains {id:"#notnull"}

4. TEST RUN USING TEST RUNNER

```
import com.intuit.karate.junit4.Karate;  
import org.junit.runner.RunWith;  
@RunWith(Karate.class)  
public class TestRunner {  
}
```

5. TEST REPORT

