





Features

- Java knowledge is not required and even non-programmers can write tests
- Test can be written in plain-text, readable syntax, no need to glue with step def.
- IDE Support V.S.C., IntelliJ, Eclipse https://marketplace.visualstudio.com/items?itemName=karatelabs.karate
- Write expected results as readable, well-formed JSON. For validating response we can use match operation which ignores white-space, and the order of keys.
- **Fuzzy Matching**
- Fully featured debugger that can step backwards, re-play a step while editing it









Installation

- Editor Visual Studio Code
- Java (to check use cmd >> java -version)
- Maven (to check use cmd >> mvn -version)

Plugin

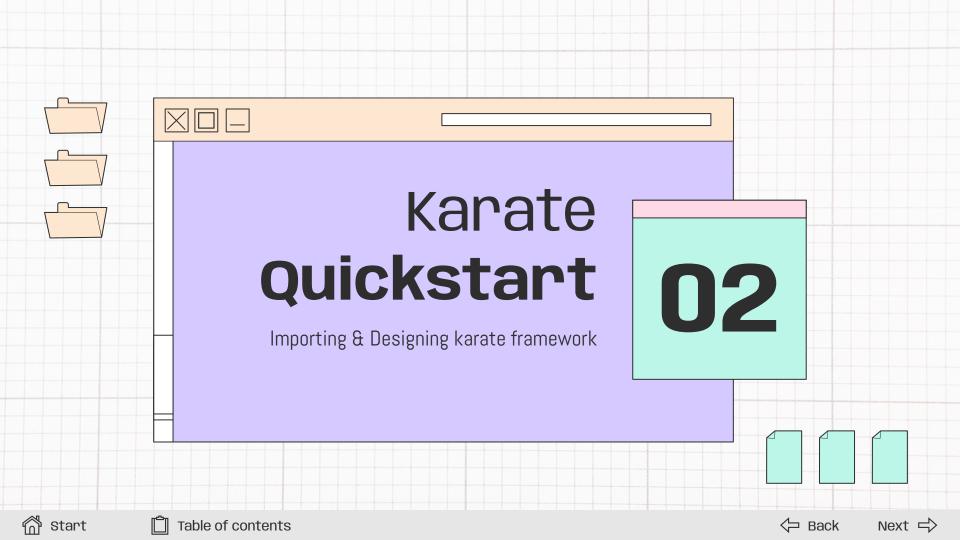
- Cucumber (Gherkin) Full Support Alexander Krechik
- Karate Runner Kirk Slota
- Extension Pack for Java Microsoft
- Open In Default Browser peakchen90







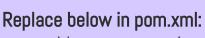






Step-1:





<groupId>com.storeapiapp

<artifactId>StoreApiApp</artifactId>

Maven quickstart Link

mvn clean myn clean install Maven test

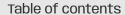
- project.build.sourceEncoding>
- <java.version>1.8</java.version>
- <maven.compiler.version>3.8.1/maven.compiler.version>
- <maven.surefire.version>2.22.2/maven.surefire.version>
- <karate.version>1.2.0</karate.version>

</properties>

properties>







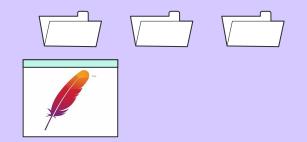




Step-2:

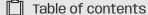


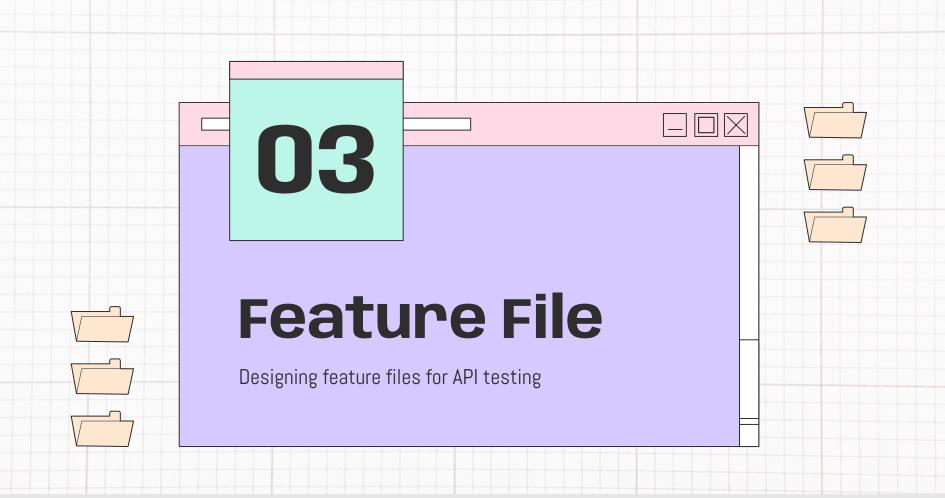
- Create a file with extension ".feature"
- Will use 'Feature', 'Scenario', 'Given', 'When', 'And', 'Then'



- Runner file Karate testAll() mvn test
- Karate testTags() mvn test -Dtest=StoreApiAppTest#testTags
- mvn test "-Dkarate.options=--tags @debug"







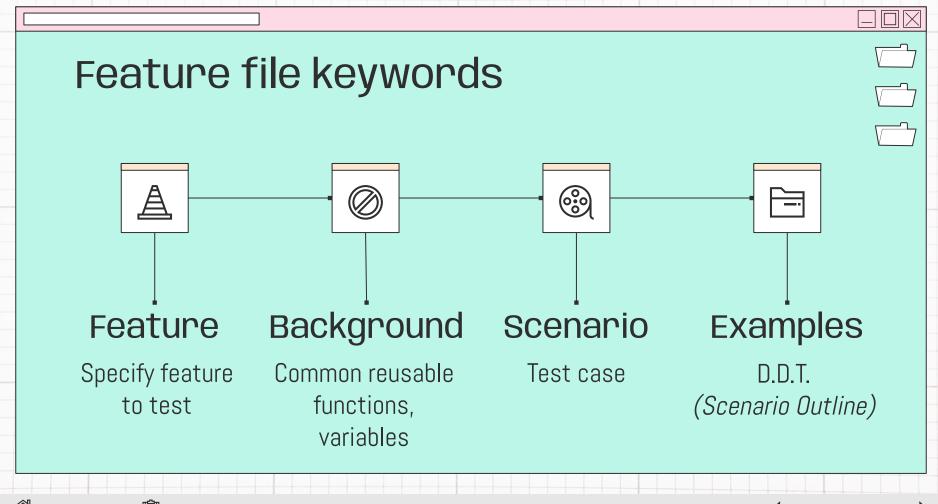


















	https://inwincibleshashank.com/			
Scenario				
Keywords	Statement always start with 'Given', 'And', 'When', 'Then'			
URL	To call a specific url use keyword 'url' and specify the path			
method	To call a method use keyword 'method' and specify 'method name' - 'Get', 'Post', 'Put	1		
Status Code	To validate status code use keyword 'status' and specify 'status code' (as number)			
header	To add header use keyword 'header'	_		
request	To pass request body use double quotes (3x) and inside that add json request body			
Print response	To print response use keyword 'print' and keyword 'response' for entire json response			

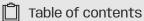




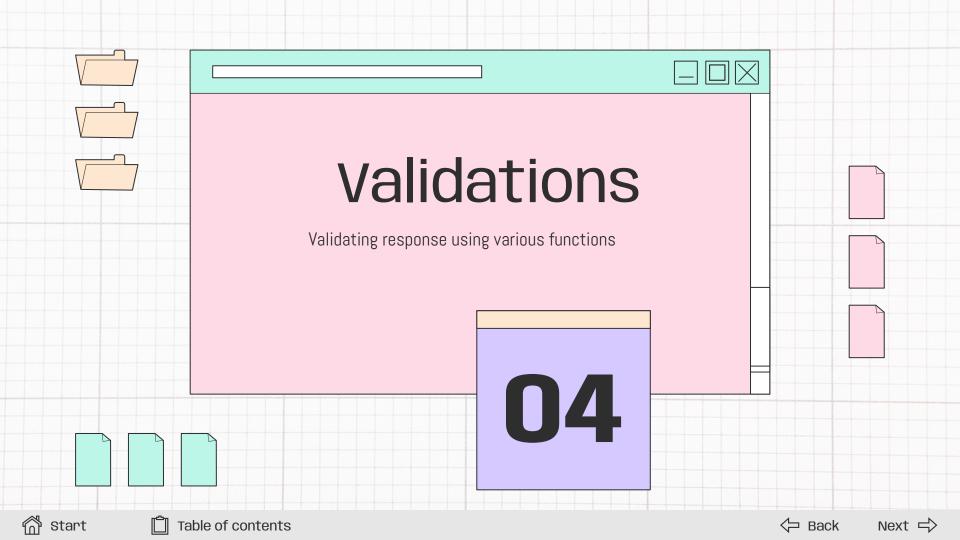
Use of Keywords inside Feature File

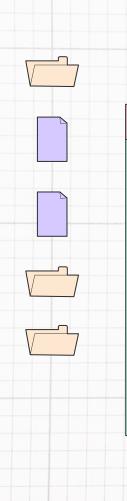


AllProduct.feature	AllCategories.feature	<u>Login.feature</u>	<u>User.feature</u>
Define: feature	Define: Background	Read: Another json file	Access: Token from another file
Scenario: Given, When, Then	Read: Another .js file within package	Define: variable to store file	Call & read: Another feature file
Method: GET	Define: reusable variable	Set: Token values	Define: header, headers
Validate: status Code	Call: variable inside scenario	Scenario Outline: with Examples (D.D.T.)	Get: Token value and re-use in header
	Match: basic response		Match: basic response









AllCategories.feature/Scenario/3



Fuzzy Match

- What? Validate variable type
- Which? Array, number, string, boolean, null/ non-mandatory
- How? '#array', '#number', '#string', '#boolean',



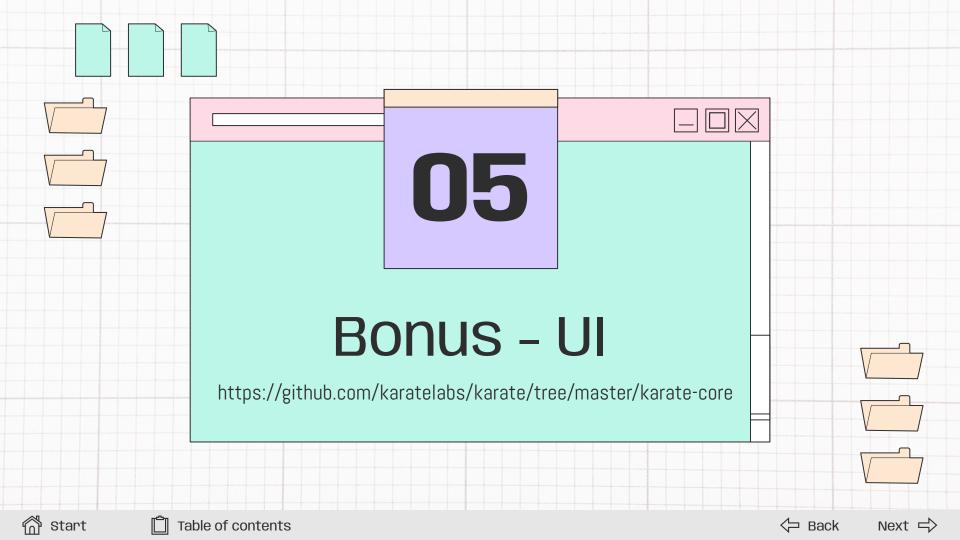
















Thanks!





