

Gherkin Keywords

Feature
Background
Scenario
Scenario Outline
Given, When, Then, And, But, *
Examples

Additional Keywords

Comment
@tag (for example @wip)
(Tabular Data)
""" (Doc Strings)

Feature (.feature) File Structure

@tag-name	@tag-name
Feature:	<name of the feature>
	description (free text)
Background:	Background step(s)
Given	Additional contextual information. Run before each scenario
And	
When	
And	
Scenario:	<name of the scenario>
Given	Describe an initial context (Arrange)
And	
But	
When	Describe Actions (Act)
And	
But	
Then	Describe observable expected outcome (Assert)
And	
But	

- One feature per well named file. Please keep the features focused.
- Give meaningful name to Features and Scenarios
- Make Scenarios Independent and Deterministic
- Cover Happy Paths, Error Paths and Edge Case scenarios. Give lots of clear and concrete examples
- Revisit, Refactor, and Improve Your Scenarios and Steps. Look for opportunities to generalize your steps and reuse them
- Declarative or Imperative, choose wisely
- Tags are a great way to organize your features and scenarios Using tags let you keep scenarios together structurally, but run them separately

Outlines and Data Tables

When you have a complex business rule with variable inputs or outputs you might end up creating several scenarios that only differ by their values. We can simplify this with a Scenario Outline:

```
Scenario Outline: eating
  Given there are <start> cucumbers
  When I eat <eat> cucumbers
  Then I should have <left> cucumbers
```

```
Examples:
| start | eat | left |
| 12    | 5   | 7    |
| 20    | 5   | 15   |
```

The Scenario outline will execute once for every row in the examples table

Data tables are used for specifying a larger piece of data in tabular format

```
Given the following car models exists:
| name      | available cars |
| Sports car | 3              |
| Sedan     | 2              |
| hatchback | 4              |
```

In above example data is passed to Given step to create 2 records in table with 2 columns , **name** and **available_cars**

```
When user fills the rent a car form:
| Model      | Sports car |
| Pickup Location | 1st Avenue, NY |
```

In above example data is passed to When step to fill a form with 2 fields, **Model** and **Pickup Location**