What is a **Cucumber**?

Cucumber is a testing tool that supports Behavior Driven Development (BDD) framework. It defines application behavior using simple English text, defined by a language called Gherkin.

**What is Gherkin?**

* It is common language which is based on common set of keywords in English text which can be used by people amongst the different community and yet get the same output in the form of test scripts.
* Example:

**Feature** − Login functionality for a social networking site. **Given** I am a social networking site user. **When** I enter username as username1. **And** I enter password as password1. **Then** I should be redirected to the home page of the site.

The above-mentioned scenario is of a feature called user login. All the words highlighted in bold are Gherkin keywords.

**What is Feature?**

* A Feature can be defined as functionality of project.
* Example:

Facebook Application Features:

* 1. User can login to Facebook application.
  2. Sending friend request
  3. Writing post on friend wall & tagging to other friends
  4. Logout from Facebook

Every feature consist of one or many scenarios.

For example, Login functionality into Facebook (Feature) has following list of scenarios:

1. User should be able to login with valid user name & password.
2. User should show an error message if the username & password are incorrect.
3. User should navigate to home page if he enter valid credential.

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| --- | --- | --- | --- |
| Sr. No | Feature | Feature File Name | List of Scenarios |
| 1 | User Login | userLogin.feature | 3 |
| 2 | Send the Request | sendRequest.feature | 4 |
| 3 | Writing post on wall | writePost.feature | 4 |
| 4 | Logout | logout.feature | 3 |