Cucumber Terminologies:

What is Gherkin?   
 It is a [Business Readable, Domain Specific Language](https://martinfowler.com/bliki/BusinessReadableDSL.html) that lets you describe software's behavior.

Example: Pop up messaged is displayed when buttons are clicked and errors are gone

Interpretation:

1. BA/Developer - Pop up message is displayed and errors are gone on button clicked.
2. QA - Pop up message is displayed – only when buttons are clicked and errors are gone.

Keywords Used in Cucumber: Scenario, Feature, Feature file, Scenario outline, Step Definition

Scenarios:

In Cucumber Testcases are represented as Scenarios.

Scenarios contain Steps which are equivalent to test Steps and use the following keywords (Gherkin syntax) to denote them: Given, When, Then, But, and And (case sensitive).

* **Given**: Preconditions are mentioned in the Given keyword
* **When**: The purpose of the When Steps is to describe the user action.
* **Then**: The purpose of Then Steps is to observe the expected output. The observations should be related to the business value/benefit of your Feature description.

A close-up of a message

Description automatically generated

When we specify a business requirement, sometimes there are multiple pre-conditions, user actions, and expected outcomes

we are going to add one more Scenario and will use the And and But keywords:

* And: This is used for statements that are an addition to the previous Steps and represent positive statements.
* But: This is used for statements that are an addition to previous Steps and represent negative statements.

A screenshot of a computer screen

Description automatically generated

Feature and Feature File:

Feature represents Business requirement(credit card payment flow).

Feature File acts as a Test Suite which consists of all Scenarios.

In Cucumber, Feature files contain Scenarios. We can simply create feature file with. feature extension

Scenarios belonging to specific area of Application will be grouped into one Feature file

The text that immediately follows the Feature keyword, and is in the same line, is the Title of the Feature file

Feature file should contain either Scenario or Scenario Outline. The naming conventions for Feature files should be lowercase with. feature extension

**Feature**: Credit card payment

In order to test Credit Card Payment functionality

As a CC user

I want to complete the payment through online

**Scenario**: Make Minimum Due payment

**Given** user is on Pay credit card page

**Then** user fills all details and select Minimum amount option

**And** User clicks on Pay button

**Then** Credit Card confirmation page is displayed

**Scenario**: Pay Statement Balance

**Given** user is on Pay credit card page

**Then** user fills all details and select Statement Balance option

**And** User clicks on Pay button

**Then** Credit Card confirmation page is displayed

**Scenario**: Enter another Amount as 0

**Given** user is on Pay credit card page

**Then** user fills all details and select other Amount and enter 0

**And** User clicks on Pay button

**Then** Credit Card confirmation page is not displayed

**But** error message is displayed