What is BDD?

Behaviour-driven development (BDD) is an Agile software development methodology in which an application is documented and designed around the behaviour a user expects to experience when interacting with it.

In simple term, BDD is an approach to document user’s behaviour in a document.

What is Cucumber?

Cucumber is a software tool that supports behaviour-driven development. It allows expected software behaviours to be specified in a logical language (Gherkin) that customers can understand.

Cucumber uses Gherkin language. Gherkin language is plain English language.

In simple terms. Cucumber is a BDD tool that allows us to document user’s behaviour in plain Gherkin language.

**General user behaviour:**

**Scenario: Place an order**

1. Open website
2. Login to application
3. Go to order list
4. Select a product
5. Add product to cart
6. Place the order

**Cucumber scenario for same test:**

**Feature: Login feature**

**Scenario: Place an order**

**Given** I open website

**When** I login to application

**And** I go to order list

**And** I select a product

**And** I add product to cart

**Then** I place the order

Here, Feature, Scenario and Given, When, Then are Gherkin language terms.

Given, When , And, Then 🡪 These are used for steps

Feature 🡪 Used to describe the feature we are working on

Scenario 🡪 Used to describe a scenario we are working on.

**Another example:**

Feature: Login to flipkart

Scenario: login to flipkart

Given I open the flipkart website

When I enter my login details

Then I should be logged in

**When multiple scenarios but using the same step:**

We use Scenario outline with example to run a scenario using different set of test data.

**Feature**: Login to flipkart

**Scenario Outline**: login to flipkart

**Given** I open the flipkart website

**When** I enter my login details < User id> and < password>

**Then** I should be logged in

**Example**:

| User id | password |

| abc | 123 |

|xyz | 456 |

Use of **Background** in cucumber feature file🡪