**When and why BDD was defined**

The 2003 born Behavior-driven development (BDD) is a software development process, developed by Dan North as an improvement of the Test-Driven Development (TDD).

**The most important aspects of BDD**

Behavioral guided development

It is easier to specify the requirements and developers can validate with less difficulty the functionalities of the application, reinforcing the agile principles of communication and adaptation to changes.

**Why is useful and when could be applied.**

The use of Behavior Driven Development as a development process:

Its main advantage is that it allows a better communication between all the interested parties in a project.

Through the use of DSL Business Readable languages such as Gherkin, all the people involved in a project are able to easily understand and write requirements and functionalities of the application, whether they have a technical profile or not, thus allowing an important improvement in communication.

The frequent problem of multiple documents expressing the same information is eliminated. Thanks to this, when there is a change in a requirement, you only have to make modifications in a single site, since it will be enough to modify the user history, and in turn, the corresponding validation test will be already being changed.

Applies to teams from the start of a project

**Which type of teams could implement BDD**

Its use is for Agile teams

**Structure of a feature – Give an example**

Feature: Create account

**Structure of a user story – Give an example**

Scenario: As administrator operator I want to create an Account with their first and last names

Scenario: Verify that it is possible to Create an Account

**Structure of a scenario – Give an example**

When I create a New Account with the following information:

| Name | Type | Phone |

| Aslak | Customer | 789123|

Then the message for the Account created is displayed

And the Account should be displayed in Accounts page

**Differences between BDD and BDT**

TDD is a development practice (it focuses on how to write the code and how that code should work) while BDD is a team methodology (It focuses on why you should write that code and how that code should behave).

In TDD the developer writes the tests while in BDD the end user (or PO or analyst) in conjunction with the testers write the tests (and the Devs only generate the code needed to run those tests)

TDD deals only at the unit level or a small portion of the application in development, BDD is going to take care that the tests on the integration of those units at a business level so that they are not only tests but also are living documentation of the application within the reach of any user and in its same language (commonly used terms).