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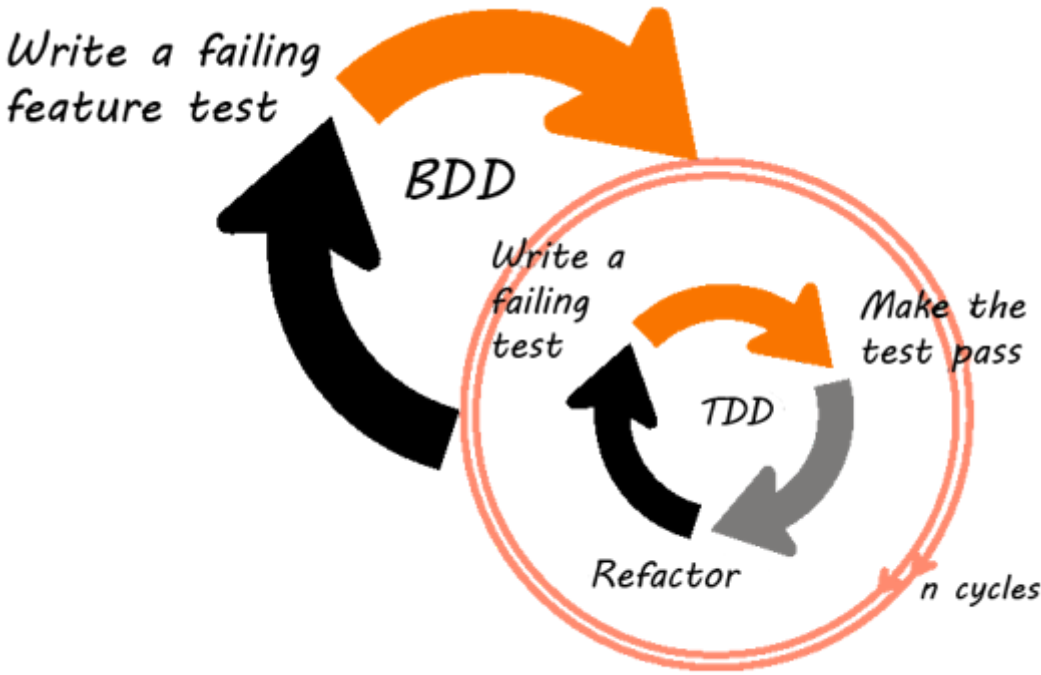
Behaviour-Driven Development (BDD)

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Overview

Behaviour-Driven Development (BDD) is the process of developmental testing where each behaviour is broken down into multiple different tests, which can use Test-Driven Development (TDD) to help implement the functionality needed.



When all the features are complete, then the user story is done.

A piece of functionality can be broken down into multiple different scenarios, each of which follow a **Given, When, Then** canvas:

Given: A prerequisite is met

When: An action is applied

Then: The following testable outcome should occur

Tutorial

If a website needed login functionality we would have a user story which would look something like the following:

As a customer,
I want **to login to the website**
So **that my details** are saved **on the** account

This user story can then be used as a basis to create acceptance criteria which fit the Given-When-Then canvas.

Given: A **user** is on the login **page**
When: the **user** types **in** the correct account credentials
Then: They should be taken **to** the account **profile** screen

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Given: A **user** is on the login **page**
When: the **user** types **in** the incorrect account credentials
Then: an **error** message should appear **to** say that the wrong credentials have been entered

Given: A **user** is on the login **page**
When: the **user** types **in** the incorrect account credentials 5 times
Then: an **error** message should appear **to** say that they cannot log **in for** another hour

Given: A **user** is on the login **page**
When: the **user** types **in** any non-alphanumeric key as part of the username
Then: an **error** message should appear **to** say that only alpha-numeric values are allowed **for** the username

Given: A **user** is on the login **page**
When: the **user** types **in** a username which is **not in** the database
Then: an **error** message should appear **to** say that username is **not** found.

Exercises

Add more tests to the login functionality in the tutorial.

► Details