BDD ( Behavioral Driven Framework):--

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* BDD is based on TDD SDLC Model (Test Driven Developement).
* BDD fills the Gap between Business Analyst & Developers, Testers and Developers.
* BDD is plain text , with syntax & Keywords.

TDD:--

* It is type of SDLC , where first the Testcases are written & accordingly Developement is done.

Tools to support BDD:--

* Cucumber
* Specflow

These are the Tools used by different Technologies like, Java , c# , Ruby , Python..

All the Tools follow the common language—Gherkin

Gherkin:--

* It is a Format for cucumber specification.
* It is plain text Business Readable form.
* It consists of different Keywords,

Feature

Scenario

Background

Given

When

Then

And

But

Scenario outline

Examples

Scenario Template

Feature:-- Defines what feature you will be Testing in the Tests below.

Given:-- Tells the pre-condition of the Test.

And:-- Defines additional condition of the Test.

Then :-- States the Post-condition, expected Result of Test

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Feature File:--

It is plain Text File saved with (.feature) extension.

It consists of Gherkin keywords describing the Test case.

Step Definition File:--

It is Java Class, which holds all the steps written in the Feature file.

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Example ---1 :

Login1.feature

Feature: Store login

This feature deals with the login functionality.

Scenario: Login with correct username and correct password

Given I navigate to login page

And I entered username and password

And I clicked signin button

Then Its navigated to the HomePage

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stepDef1.java :----

**package** stepDefinition;

**import** cucumber.api.java.en.Then;

**public** **class** stepDef1 {

@Given("^Its navigated to the HomePage")

**public** **void** navigateToLoginPage(){

System.***out***.println("Navigated to the Login Page");

}

@Then("^Its navigated to the home page")

**public** **void** navigateToHomePage(){

System.***out***.println("Navigated to the HomePage ");

}

@And("^I clicked signin button")

**public** **void** clickSigninButton(){

System.***out***.println("clicked signin button");

}

@And("^I entered username and password")

**public** **void** enterUsernamePassword(){

System.***out***.println("Entering correct username and password");

}}

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To Glue feature & step definition :----

project --------- rt click --- run as ---- run configuration ------------- select cucumber feature (option)– login.feature--- browse --- apply --- run

To Run Feature file:--

Rt click --- run as --- cucumber Feature