15. **How do I limit the types of variables I can pass?**
    - In the gherkin parenthesis you can add (Collaboration | Sales | Marking, etc.)
    - Ex: @When("^I hover over the (Collaboration | Sales | Marketing | Activities | All) menu$")

```java
public void i_hover_over_the_Collaboration_menu(String menu) {
switch(menu) {
case "Sales":
   BrowserUtils.hover(dashboard.sales); break;
case "Marketing":
   BrowserUtils.hover(dashboard.marketing);  break;
case "Collaboration":
   BrowserUtils.hover(dashboard.collaboration);  break;
case "Activities":
   BrowserUtils.hover(dashboard.activities);  break;
case "All":
   BrowserUtils.hover(dashboard.all); break;};
```

16. **What if you have a scenario that has two parameters (limiting parameter, table parameter)?**
    - Example :
        - Scenario: Verify Collaboration menu options
        - Given I logged into suiteCRM
        - When I hover over the Collaboration menu
        - Then the following menu options should be visible for Collaboration:
          |Home | Emails | Documents | Projects |
        - In this scenario i have a table, I want to limit collaboration to just collaboration and the other menus categories
    - Solution:
        - @Then("^following menu options should be visible for
          (Collaboration | Sales | Marketing | Activities | All):$")
        - public void following_menu_options_should_be_visisble_for_Collaboration(String menu, List<String> options) {
        - String menu represents the 5 menu options (Collaboration | Sales | Marketing | Activities | All)
          List<String>options represents the tables; |Home | Emails | Documents | Projects |

17. **How do I use cucumber scenario for DDT?**
    - In my current project I use Scenario Outline with Examples
    - In my scenario feature file, whenever I'm using a variable as a data driven, I use "<variable>"
    - Then in Examples:
      | variable | column name
      | data1. | row1
      | data 2 | row 2
      | data3 | row3

20. **Data driven**
    - Test data is separated from code and stored into external sources: Cucumber Examples table, Excel files, CSV files, Database.
    - If the amount of data is not that huge, then I use Cucumber Scenario outline with Examples table.
    - And other times I maintain test data in Excel files, and I use Apache POI library to read and write data
    - If data comes from a database, or I need to do database validation, I use SQL queries along with JDBC library in java.