

Hello there,

We hope you had an exciting week! Now it is time to lean back and relax. Relax of course means to read our blog ☺.

Well, so this week we started with writing our first tests. The test tool we went for is [Cucumber](#). In short this is a tool, which supports the so called behavior-driven development (BDD) and allows expected software behaviors to be specified in a logical language that customers can easily understand. Furthermore these tests will allow us to automatically check the implementation of each use case later on.

To implement our tests with Cucumber we have chosen the programming language Java. We also went for Gherkin Reference to simplify the understanding of the code. [Gherkin Reference](#) (Rg) is a set of grammar rules with special keywords: {"Scenario", "Given", "When", "Then", "And", "But"} ∈ Rg. Figure 1 shows you how our test for the use-case "search product" looks like.

```
1 Feature: Search a Product
2
3 Scenario: User searches for unknown product
4   Given the user is on the landing page
5   When the user enters the search term "iPhone 13" and clicks search
6   Then the user should see the error page "No products found"
7
8 Scenario: User is not logged in, searches for known product
9   Given the user is on the landing page
10  And the user is not logged in
11  When the user enters the search term "iPhone 12" and clicks search
12  Then the user should see a list of products
13  When the user clicks on the first product
14  Then the user should see the product detail page
15  And the set price alarm box should show "Log in to continue"
16
17 Scenario: User is logged in, searches for known product
18   Given the user is on the landing page
19   And the user is logged in
20   When the user enters the search term "iPhone 12" and clicks search
21   Then the user should see a list of products
22   When the user clicks on the first product
23   Then the user should see the product detail page
24   And the set price alarm box should show "Set price alarm"
25   When the user sets a price alarm
26   Then the user should receive an email confirming the price alarm
```

Figure 1: test for the use-case "search product" written in Cucumber

[Click here](#), if you are interested in viewing our .feature files and [here](#) to see our cucumber

tests in action.

Thank you for being interested in our project and as you already know we are always open for your suggestions.

Have a good week!

Your Betterzon Team