

CUCUMBER & GHERKIN

1. Tell me more about Cucumber, how did you guys decide to start using Cucumber ?

- In the past few years, more and more IT teams follow Agile methodology in their development process to adapt to the rapid changes of the market. This is also a challenge for the test team in managing test cases and test scripts which can be changed when the requirements are updated monthly. Finding a suitable testing method from the beginning is one of the keys to the success of an Agile software project.
- Many Agile teams have successfully applied Behavior Driven Development (or BDD) approach in testing process using the Cucumber tool. So, what is Cucumber? And why is it one of the good approaches in Agile projects, used together with BDD?
- Cucumber is a tool for running automated acceptance tests written in a behavior driven development style. One of its wonderful main features is the ability to execute plain text functional description (written in language named Gherkin) as automated tests. Here is an example:

```
Feature: Update password
Scenario: Admin user can update user password
Given I am in the HR system with an Admin account
When I update password of another "user"
Then I receive a message for updating password successfully
And user's password is updated to the new password
```

- This great feature has played a primary role in supporting the BDD approach with the following **advantages**:
 - Writing BDD tests in Ubiquitous language, a language structured around the domain model and used by all team members including developers, testers, BAs, etc.
 - Building bridges between the technical and nontechnical members of a software team
 - Allows interaction directly with the developers' code, but written in a language that business stakeholders can understand
 - Last but not least, Cucumber is an Automated Acceptance Test Tool which running tests written in a behavior driven development (BDD) style.
- **Cucumber Tool helps to improve communication between technical and non-technical members in a project.**

2. Tell me what are the most important things in Cucumber, what makes it unique ?

- Features file, Step Defs, Runner Classes, Hook Class, Tags

3. How to see your reports in cucumber?

- My framework generates cucumber reports folder in the target folder which contains the reports.
- When we run the tests on Jenkins, Jenkins saves the report of every run.
- Home page of the Jenkins job always points to the last run reports.
- All the reports for previous runs can be found under the build number.
- Go to target folder
- Open with system explorer
- Go to target>cucumber report>index shows the tests you ran

4. What is Gherkin?

- Language used by feature files
- Feature, Scenario, Given, Then, When, And, But, Background, Scenario Outline