

## Cucumber & BDD (Continued)

- **Organizing** the feature files , step definitions and Runner class
  - Create a new folder under the Project with name say "features" and move all the feature files created so far into this folder
  - Create a new package under the 'src/test/java' with name say "stepDefinations" and move all the step defection Java classes under it
  - Create a new package under the 'src/test/java' with name say "runner" and move the Runner.java class under it
  - Run the Runner.java class and observe that it cant locate features files and won't be able to execute them.
  - To overcome this problem, update the @CucumberOptions in the Runner.java Class with features and glue attributes as shown below:
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, **features="features", glue="stepDefination"**)
- **Cucumber Tags**
  - Tags are used to group the Scenarios into different categories
  - Tags start with @
  - Provide @SmokeTest tag only for the first scenario in search.feature file and first scenario in softwaretester.feature file
  - Provide @All tag for all the scenarios in all the feature files
  - Now provide specific tags like @Books, @Baby, @GoodTester, @AverageTester, @BadTester and @OmayoLogin with respective scenarios in the feature file
  - Tags can be categorized as Default tags and Custom tags
  - Examples for Default tags which are used as standard tags are @Dev, @Ignore and @wip
  - Examples for Custom tags are @Books, @Baby, @GoodTester, @AverageTester, @BadTester and @OmayoLogin
  - Provide @Ignore tag for Average Tester scenario in softwaretester.feature file
  - Provide @Dev tag for Baby scenario in search.feature file
  - Provide @wip tag for Bad Tester scenario in softwaretester.feature file
  - Update the @CucumberOptions in the Runner.java Class with tags attributes as shown below, for only executing the @SmokeTest tagged scenarios:
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, features="features", glue="stepDefination", **tags={"@SmokeTest"}**)
  - Update the @CucumberOptions in the Runner.java Class with tags attributes as shown below, for executing all the scenarios:
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, features="features", glue="stepDefination", **tags={"@All"}**)
  - Update the @CucumberOptions in the Runner.java Class with tags attributes as shown below, for executing a scenario which is specific to Books:
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, features="features", glue="stepDefination", **tags={"@Books"}**)
  - Update the @CucumberOptions in the Runner.java Class with tags attributes as shown below, for executing the scenario specific to @Books or @Baby (**ORed case**)
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, features="features", glue="stepDefination", **tags={"@Books,@Baby"}**)
  - Update the @CucumberOptions in the Runner.java Class with tags attributes as shown below, for executing the scenarios specified with both @SmokeTest or @Books (**ANDed case**)
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, features="features", glue="stepDefination", **tags={"@SmokeTest","@Books"}**)
  - Update the @CucumberOptions in the Runner.java Class with tags attributes as shown below, for executing all the scenarios except @Dev, @wip and @Ignore tagged scenarios
    - @CucumberOptions(plugin={"html:target/cucumber\_html\_report"}, features="features", glue="stepDefination", **tags={"@All","~@Dev","~@wip","~@Ignore"}**)