Note-

All the feature files should be under “src/test/resources”.

Its not compulsory but according to maven structure or build automation structure these are resource files.

# How to create new source folder-

Right click on project level and follow screenshots below:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

“Src/test/java” will have the step definitions.

“Src/main/java” will have the class implementations.

Note-

We have to always keep checking if there is any update to cucumber eclipse plugin. How to do that?

Go to this url -> [GitHub - cucumber/cucumber-eclipse-update-site-snapshot: Cucumber Eclipse Update Site Snapshots](https://github.com/cucumber/cucumber-eclipse-update-site-snapshot)

Take the plugin link and copy it.

A screenshot of a computer

Description automatically generated with medium confidence

Help -> install new software -> paste the link -> hit enter -> if you see next button then there is a updated version or its not installed on your machine. Keep clicking next and accept license agreement and close and restart eclipse.

If there is no next button, then its successfully present in your machine.

A screenshot of a computer

Description automatically generated

Note-

“Control+space” is intellisense in cucumber also.

Note-

Once you write the feature file like this:

A screenshot of a computer

Description automatically generated with medium confidence

Save it -> close it-> reopen it.

It becomes like this.

A picture containing text, font, number, line

Description automatically generated

Run the feature file using run configurations.

Get the code.

See the exclamation next to feature file – it means there is no step definition.

A screenshot of a browser

Description automatically generated with low confidence

Why we are getting this color:

A screenshot of a computer

Description automatically generated with low confidence

This is because we converted our project to cucumber project as below:

Right click project -> configure -> convert to cucumber project.

A screenshot of a computer

Description automatically generated with medium confidence

Also see the warning here:

A screenshot of a computer

Description automatically generated with low confidence

It means this step does not have matching step definition.

Once you have glued to the step definition then we get such messages on feature file next to the steps-

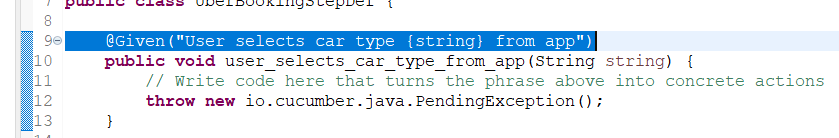
A screenshot of a computer

Description automatically generated with low confidence

Move the mouse over the given, when, etc contents and you can press “control+click” and move inside step definition:

A picture containing text, font, line, screenshot

Description automatically generated



All the above steps like color and jumping possible due to cucumber eclipse plugin.

Note-

Even if you change one word in feature file it will be flagged.

A screenshot of a computer

Description automatically generated with low confidence

because in step definition it is different:

A picture containing text, font, line, screenshot

Description automatically generated

Change name in step definition:



And the error goes off in feature also:



Note-

If sometimes the glue does not happen properly then close and reopen the files.

Note-

Same thing when we update step definition name, and it is different from feature file then again flagged.





Once you convert project to cucumber it becomes maven with cucumber project –

See the icon in project explorer on project name.



Real world project structure of cucumber –

A screenshot of a computer program

Description automatically generated with low confidence

Codes-

Uber feature:

A screenshot of a computer

Description automatically generated with medium confidence

|  |
| --- |
| Feature: Uber Booking Feature  Scenario: Booking Cab  Given User selects car type "Sedan" from app  When user selects car as "Sedan" and pick up as "bangalore" and drop as "pine"  Then driver starts the journey  And driver ends the journey  Then user pays 100 us dollars |

Uber step definition:

A screenshot of a computer

Description automatically generated with medium confidence

|  |
| --- |
| **package** StepDefinitions;  **import** io.cucumber.java.en.Given;  **import** io.cucumber.java.en.Then;  **import** io.cucumber.java.en.When;  **public** **class** UberBookingStepDef {    @Given("User selects car type {string} from app")  **public** **void** user\_selects\_car\_type\_from\_app(String carType) {  System.***out***.println("step 1" + carType);  }  @When("user selects car as {string} and pick up as {string} and drop as {string}")  **public** **void** user\_selects\_car\_as\_and\_pick\_up\_as\_and\_drop\_as(String carType, String pickupLocation, String dropLocation) {  System.***out***.println("step 2" + carType + " " + pickupLocation +" " + dropLocation);  }  @Then("driver starts the journey")  **public** **void** driver\_starts\_the\_journey() {  System.***out***.println("step 3");  }  @Then("driver ends the journey")  **public** **void** driver\_ends\_the\_journey() {  System.***out***.println("step 4");  }  @Then("user pays {int} us dollars")  **public** **void** user\_pays\_us\_dollars(Integer price) {  System.***out***.println("step 5" + " " + price);  }  } |

Output when we run the uber feature file:

|  |
| --- |
| Jun 02, 2023 5:02:42 PM cucumber.api.cli.Main run  WARNING: You are using deprecated Main class. Please use io.cucumber.core.cli.Main  Scenario: Booking Cab # src/test/resources/AppFeatures/Uber.feature:3  step 1Sedan  Given User selects car type "Sedan" from app # StepDefinitions.UberBookingStepDef.user\_selects\_car\_type\_from\_app(java.lang.String)  step 2Sedan bangalore pine  When user selects car as "Sedan" and pick up as "bangalore" and drop as "pine" # StepDefinitions.UberBookingStepDef.user\_selects\_car\_as\_and\_pick\_up\_as\_and\_drop\_as(java.lang.String,java.lang.String,java.lang.String)  step 3  Then driver starts the journey # StepDefinitions.UberBookingStepDef.driver\_starts\_the\_journey()  step 4  And driver ends the journey # StepDefinitions.UberBookingStepDef.driver\_ends\_the\_journey()  step 5 100  Then user pays 100 us dollars # StepDefinitions.UberBookingStepDef.user\_pays\_us\_dollars(java.lang.Integer)  1 Scenarios (1 passed)  5 Steps (5 passed)  0m0.417s  ┌───────────────────────────────────────────────────────────────────────────────────┐  │ Share your Cucumber Report with your team at https://reports.cucumber.io │  │ Activate publishing with one of the following: │  │ │  │ src/test/resources/cucumber.properties: cucumber.publish.enabled=true │  │ src/test/resources/junit-platform.properties: cucumber.publish.enabled=true │  │ Environment variable: CUCUMBER\_PUBLISH\_ENABLED=true │  │ JUnit: @CucumberOptions(publish = true) │  │ │  │ More information at https://reports.cucumber.io/docs/cucumber-jvm │  │ │  │ Disable this message with one of the following: │  │ │  │ src/test/resources/cucumber.properties: cucumber.publish.quiet=true │  │ src/test/resources/junit-platform.properties: cucumber.publish.quiet=true │  └───────────────────────────────────────────────────────────────────────────────────┘ |