

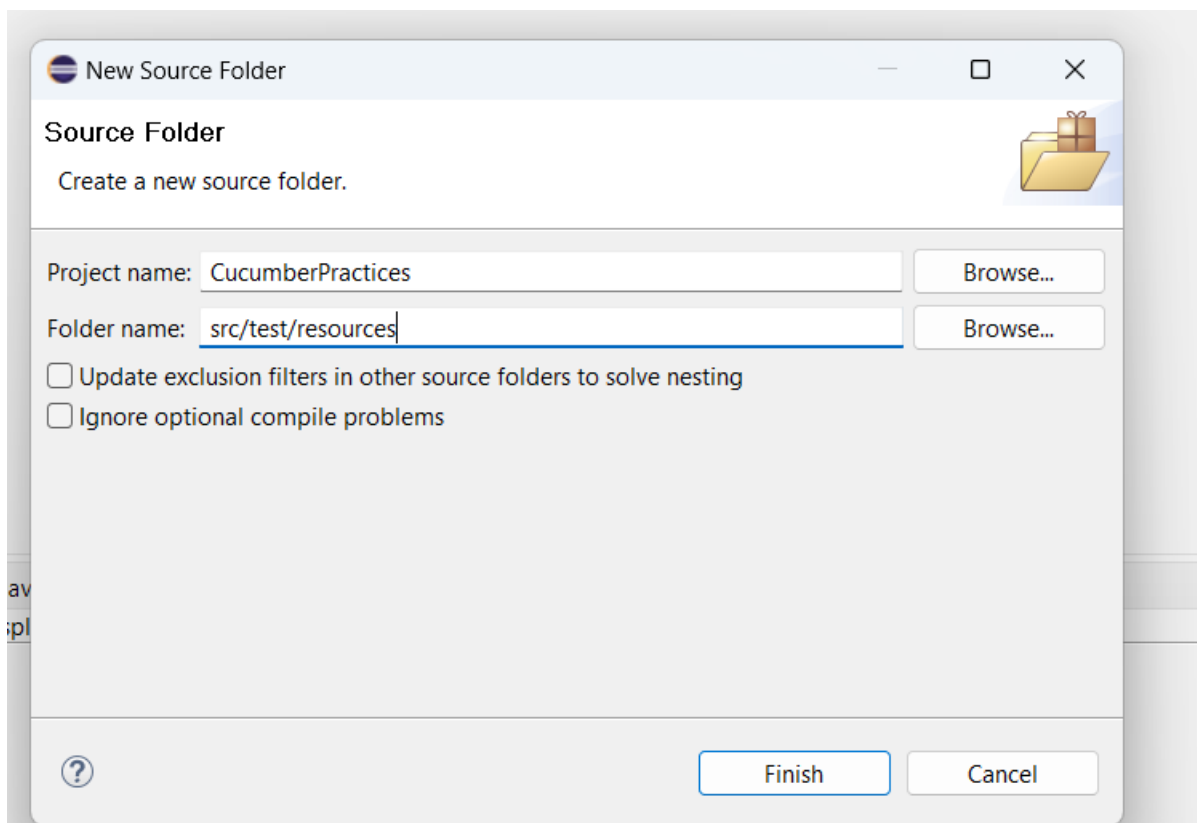
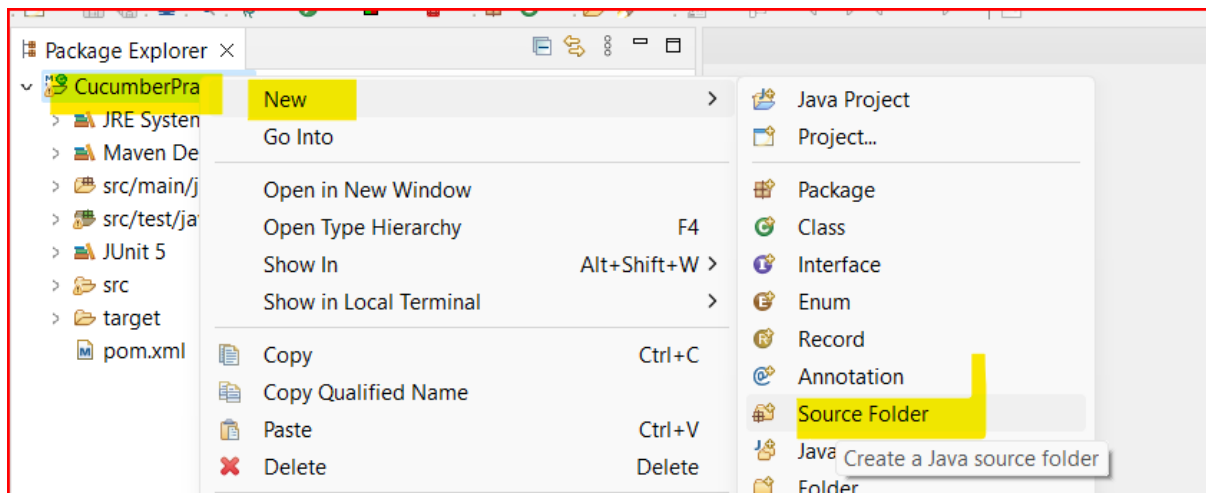
Note-

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:



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

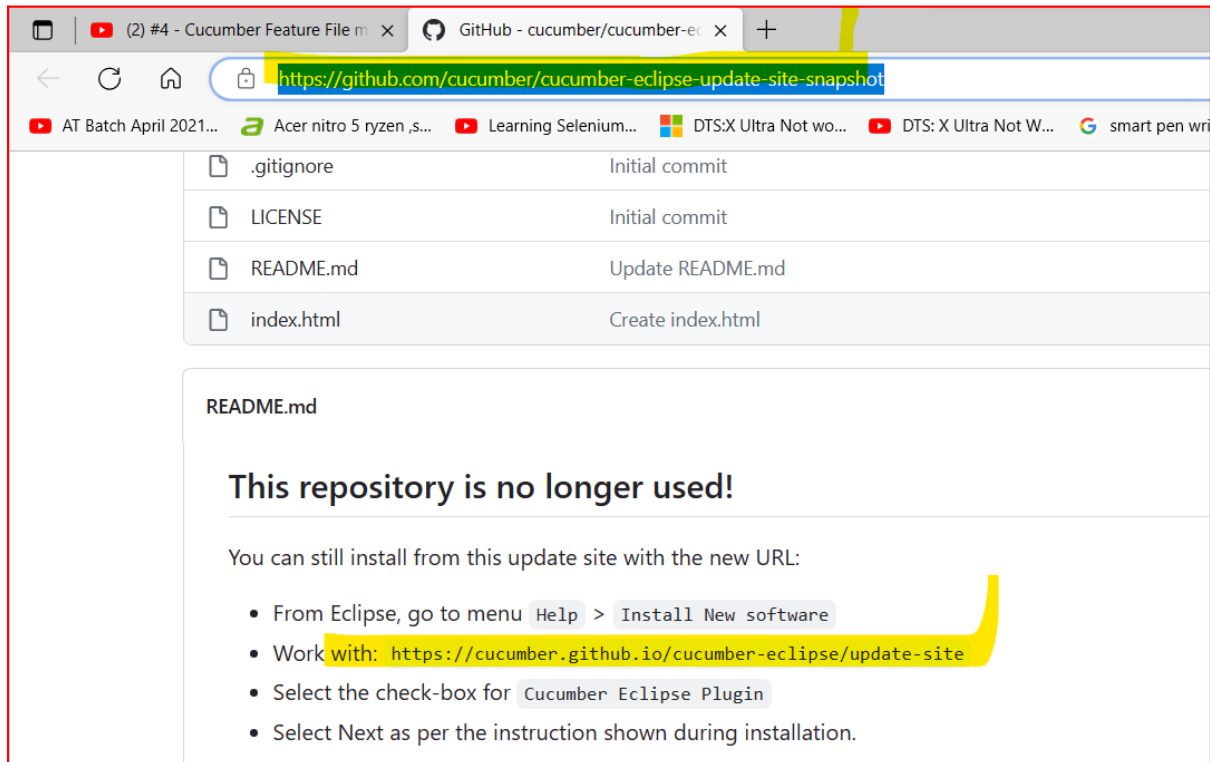
“Src/main/java” will have the class implementations.

Note-

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

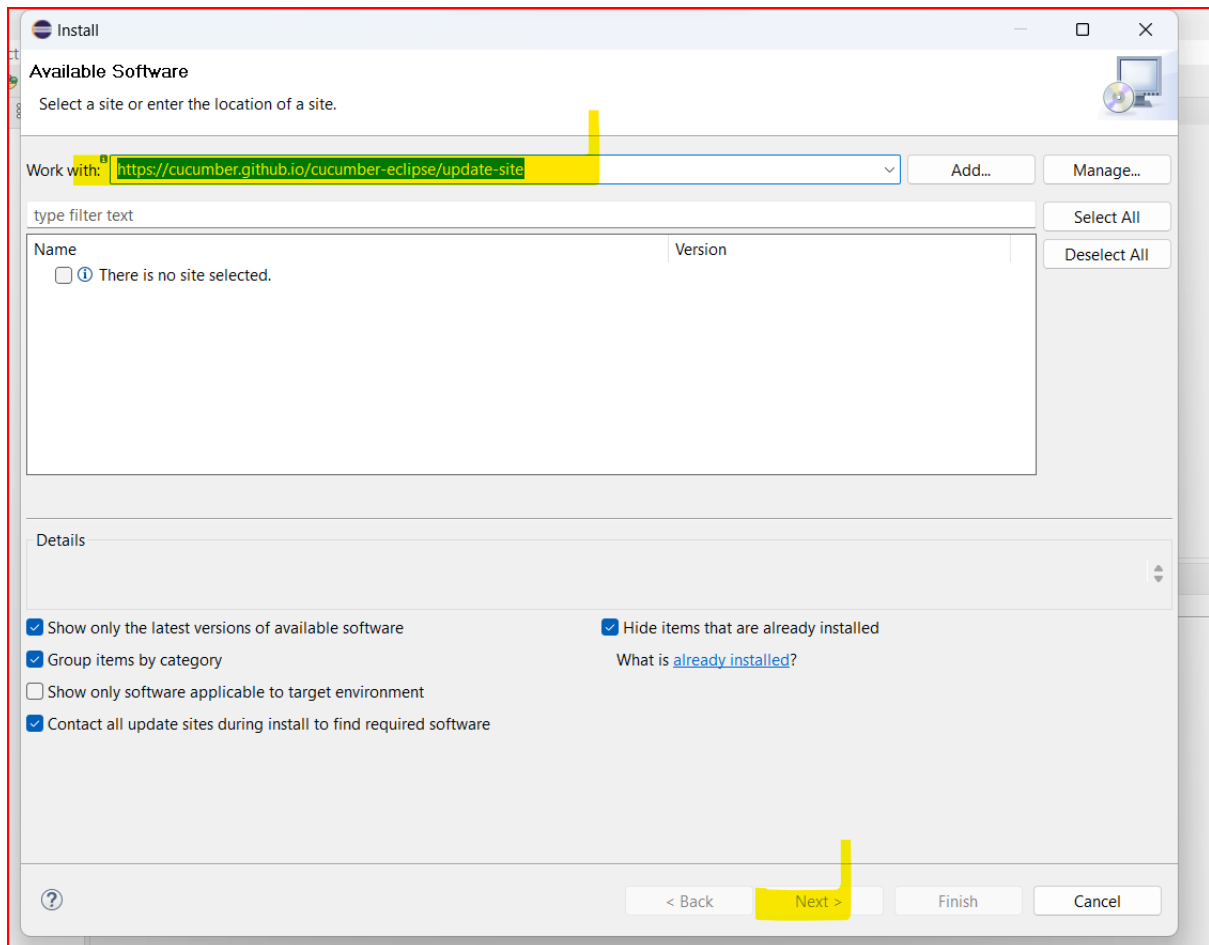
Go to this url -> [GitHub - cucumber/cucumber-eclipse-update-site-snapshot: Cucumber Eclipse Update Site Snapshots](https://github.com/cucumber/cucumber-eclipse-update-site-snapshot)

Take the plugin link and copy it.



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.



Note-

“Control+space” is intellisense in cucumber also.

Note-

Once you write the feature file like this:

```

1 Feature: Uber Booking Feature
2
3 Scenario: Booking Cab
4   Given User selects car type "Sedan" from app
5   When user selects car as "Sedan" and pick up as "bangalore" and drop as "pine"
6   Then driver starts the journey
7   And driver ends the journey
8   Then user pays 100 us dollars
9
10

```

Save it -> close it-> reopen it.

It becomes like this.

```

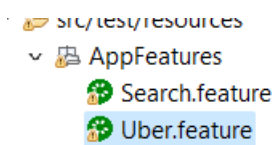
1 Feature: Uber Booking Feature
2
3 Scenario: Booking Cab
4 Given User selects car type "Sedan" from app
5 When user selects car as "Sedan" and pick up as "bangalore" and drop as "pine"
6 Then driver starts the journey
7 And driver ends the journey
8 Then user pays 100 us dollars
9
10

```

Run the feature file using run configurations.

Get the code.

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



Why we are getting this color:

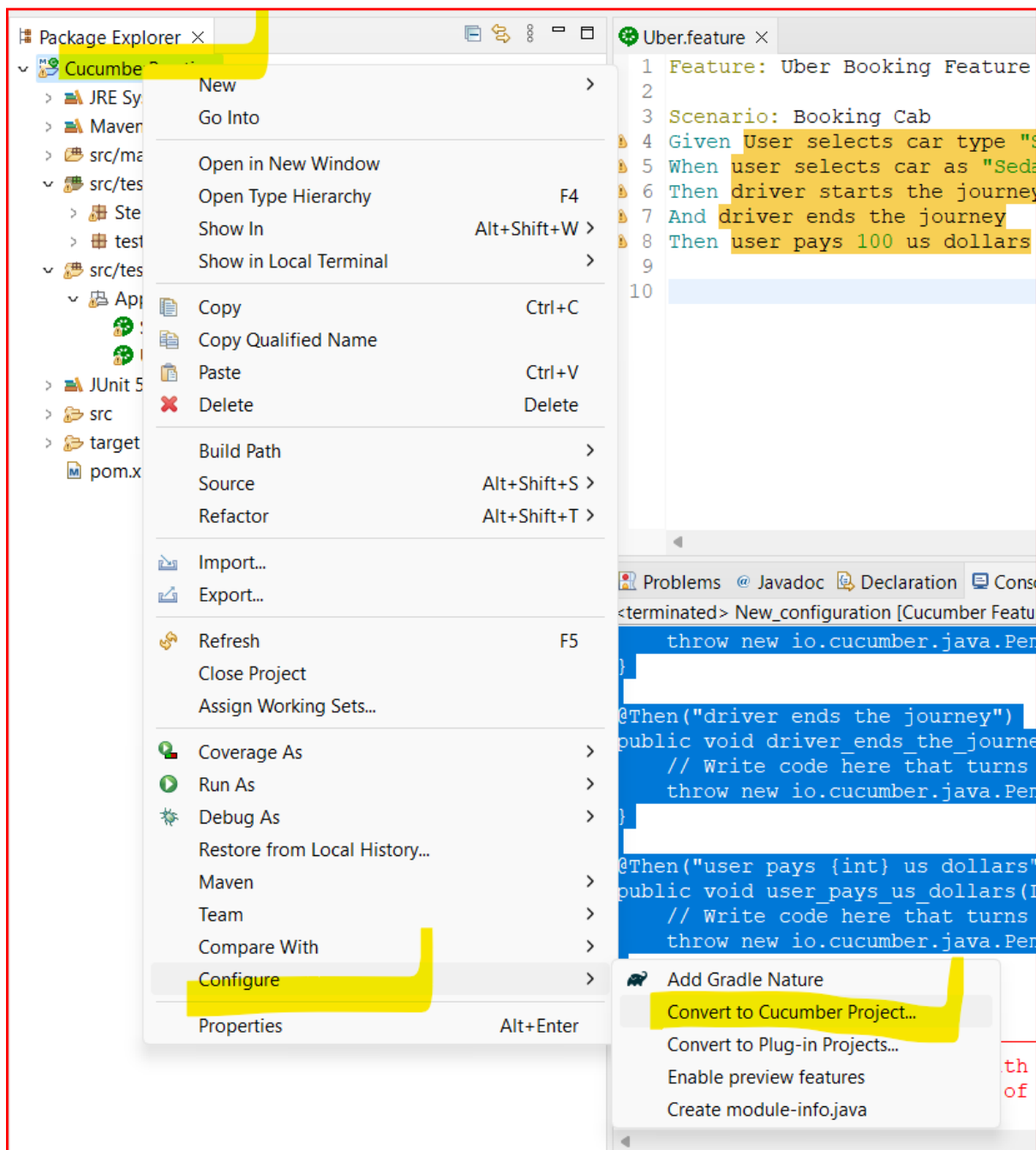
```

1 Feature: Uber Booking Feature
2
3 Scenario: Booking Cab
4 Given User selects car type "Sedan" from app
5 When user selects car as "Sedan" and pick up as "bangalore" and drop as "pine"
6 Then driver starts the journey
7 And driver ends the journey
8 Then user pays 100 us dollars
9
10

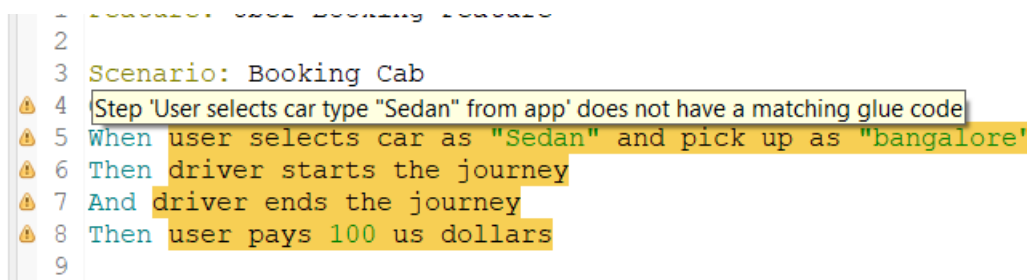
```

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

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



Also see the warning here:



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-

```

26 #below scenario (given, when, then, and)
27 Glued with i_have_a_search_field_on_amazon_page:15n pag
28 #given can be considered as pre-condition
29 When I search for product with name "appl
30 #string is in double quotes
31 Then Product with name "apple" should be
32

```

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

```

2
3 Scenario: Booking Cab
4 Given User selects car type "Sedan" from app
5 When user selects car as "Sedan" and pick up as "bangalore" and drop as "pine"
6 Then driver starts the journey
7 And driver ends the journey
8 Then user pays 100 us dollars
9
10

```

```

1 public class UberBookingStepDef {
2
3     @Given("User selects car type {string} from app")
4     public void user_selects_car_type_from_app(String string) {
5         // Write code here that turns the phrase above into concrete actions
6         throw new io.cucumber.java.PendingException();
7     }
8 }

```

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.

```

Uber.feature 22 UberBookingSteps.java
1=Feature: Uber Booking Feature
2
3=Scenario: Booking Cab
4 Given User wants to select a car type "sedan" from uber application
5 When User selects car "sedan" and pick up point "Bangalore" and drop location "Pune"
6 Then Driver starts the journey

```

because in step definition it is different:

```

7 public class UberBookingSteps {
8
9     @Given("User wants to select a car type {string} from uber app")
10    public void user_wants_to_select_a_car_type_from_uber_app(String carType) {
11        System.out.println("step 1 : " + carType);
12    }
13 }

```

Change name in step definition:

```

8
9     @Given("User wants to select a car type {string} from uber application")
10    public void user_wants_to_select_a_car_type_from_uber_app(String carType) {

```

And the error goes off in feature also:

```

3=Scenario: Booking Cab
• 4 Given User wants to select a car type "sedan" from uber application
• 5 When User selects car "sedan" and pick up point "Bangalore" and drop locatio

```

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.

```


8
9= @Given("User wants to select a car type {string} from uber application system")
10 public void user wants to select a car type from uber app(String carType) {

3=Scenario: Booking Cab
• 4 Given User wants to select a car type "sedan" from uber application
• 5 When User selects car "sedan" and pick up point "Bangalore" and drop location "Pune"

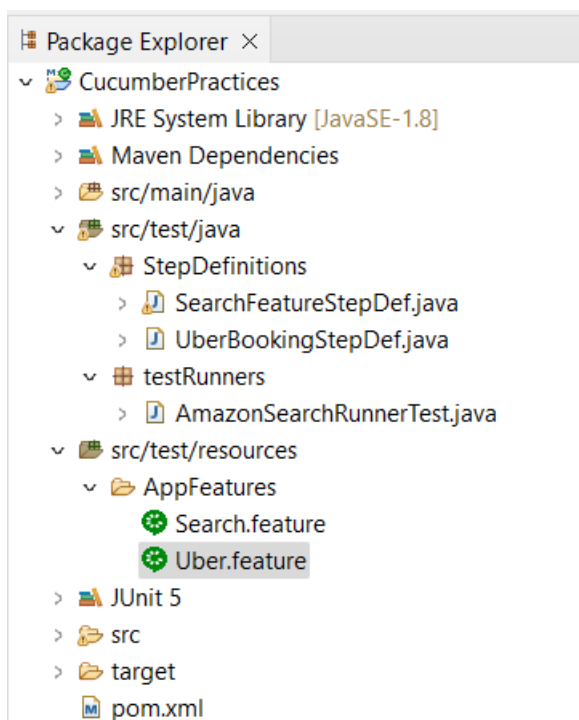
```

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

See the icon in project explorer on project name.

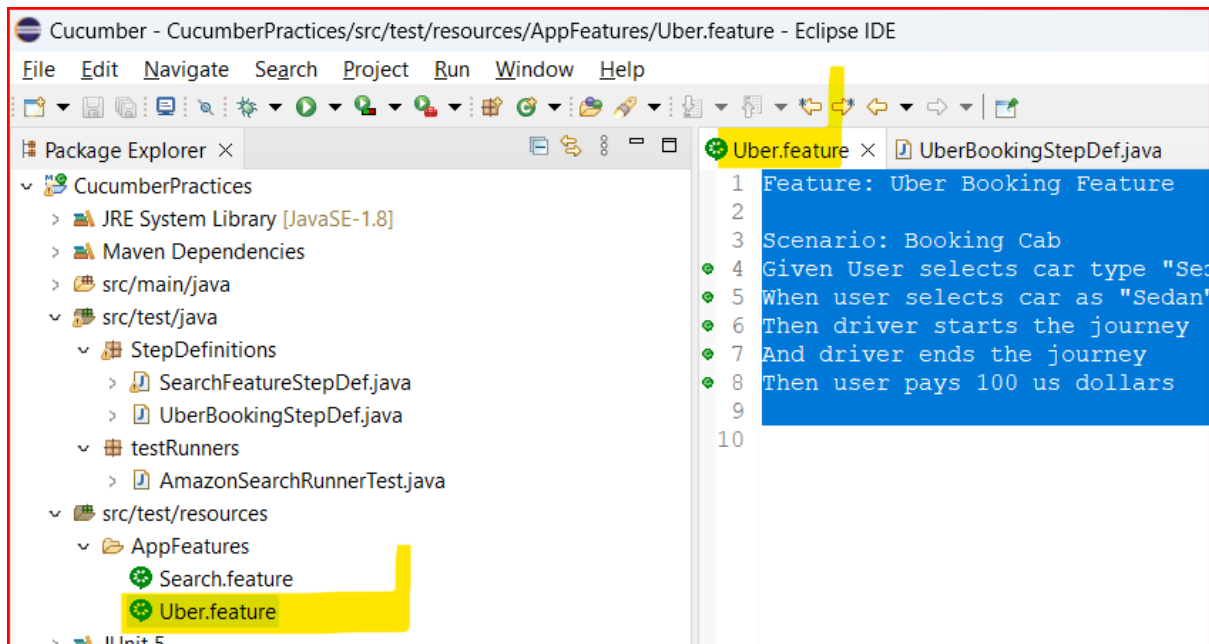
▼  CucumberPractices

Real world project structure of cucumber –



Codes-

Uber feature:



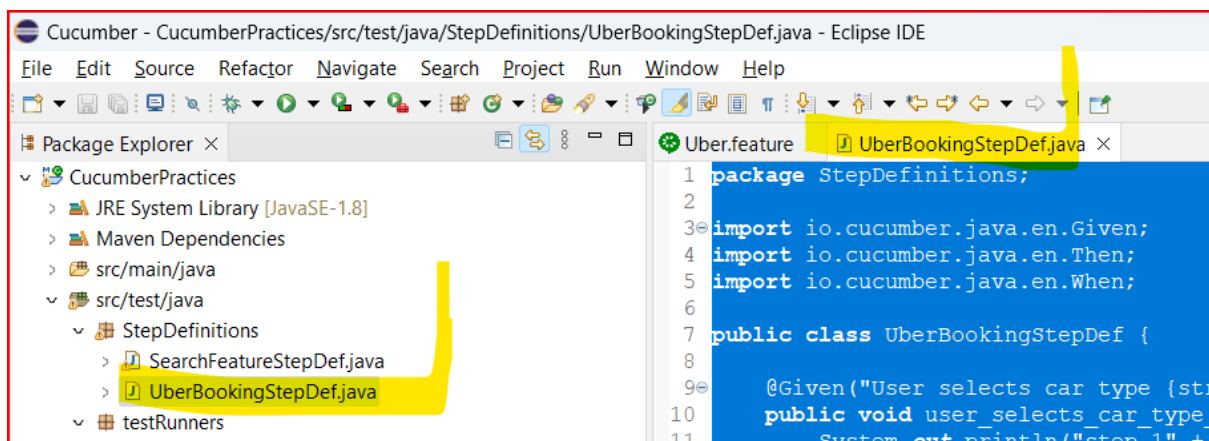
```

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:



```

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

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| 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 |

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