**Setup**

There are 6 scenarios being covered in this test suite. Each scenario covers a different element of the new functionality added in the form of the star rating and Spa and Fitness Centre. (Please note, I was unable to find the “Wellness centre” filter so I substituted in the Fitness Centre option). Each option in the filters for the Star Rating and Spa and Fitness Centre filters. Each scenario was set up in IntelliJ as a Selenium Maven project using Cucumber libraries.

**Architecture**

There is a Class file containing all Element locators and methods in the *Kneat/src/test/java/stepdefs/bookingDotCom* file.   
The Webdriver for the tests is Chromedriver and located in *Kneat/src/test/resources/drivers*.   
The test scenarios are then located in *Kneat/src/test/testScenarios*

**Test Scenarios**

The test scenarios themselves will bring the user to the Booking.com search page of the site.

The tests will insert the location provided in the Gherkin scenario into the Location Textbox. It will then click on the from date selector and take the month and advance through the calendar until the month it is looking is located on the left hand section of the calendar. It will then create a list of all the WebElements displayed on that section of the calendar and loop through them looking for the From Date provided by the user in the Gherkin script, then clicking on that element. It will then open the To date selector and (simplifying the script here) it will take To date and as long as it is greater than the from date, it will find that date in the same month. If it is smaller than the from date then it will move forward 1 month to the next month and find the value there, clicking on it. (In a real life scenario the to month would also be supplied, but as the test scenarios listed did not require this functionality, to save time I did not add it). Depending on the scenario it will then either activate one of the star rating checkboxes or the spa or fitness centre checkbox. It will then look for the presence of a hotel supplied in the Gherkin script by the user. All test data is currently hard coded into the Gherkin scripts, for more test scenarios ‘Examples’ can be incorporated.

**Dependencies**

I have all required dependencies listed in the pom.xml file