**Framework Structure:**

ExcelReader.java

Config.Properties

OR.Properties

**POM**

Page

BasketSummary HomePage Products TestUtility

Application.log

Selenium.log

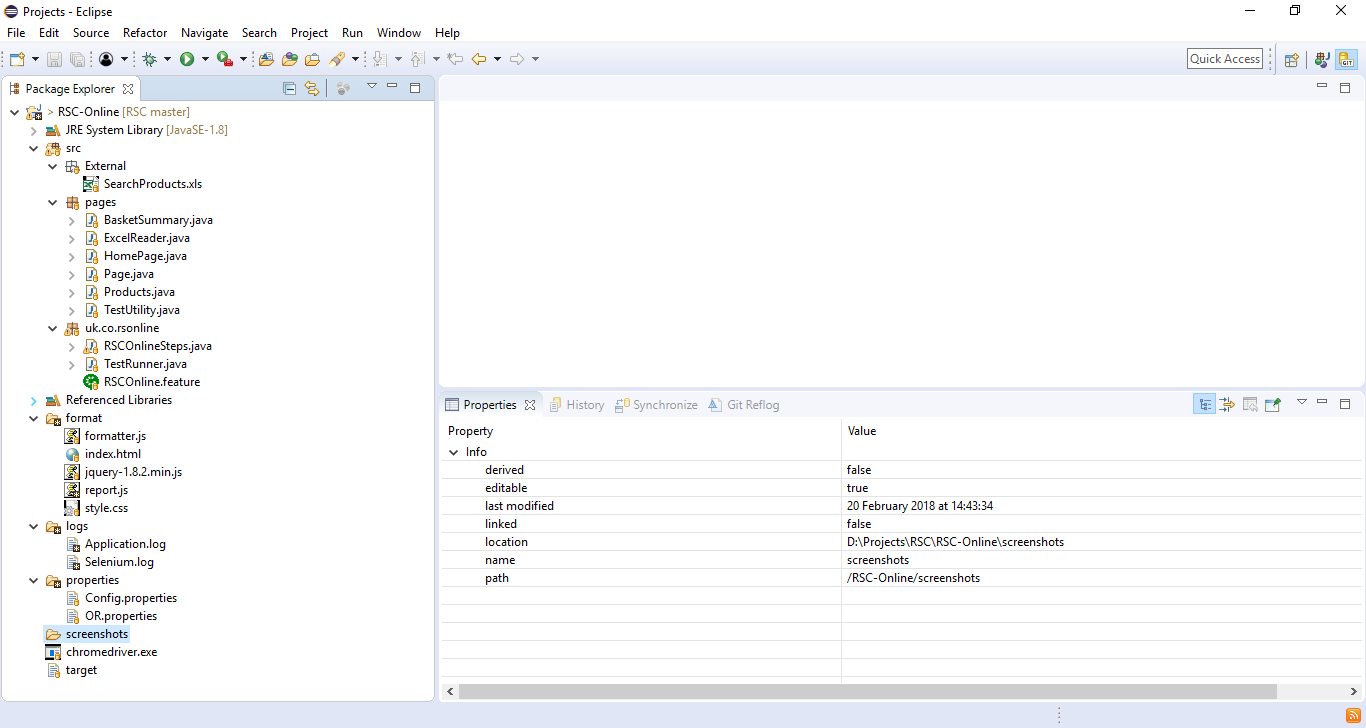
Screenshots

Reports

TestRunner.java

Gherkin Specification file for Specflow (RSCOnline.feature)

Scenario Implementation (RSCOnlineSteps.java)



**RSCOnline.feature:**

Feature: RS Online End 2 End testing

Background: RS Component website is up and running

List of Scenarios covered:

01. E2E test\_Home to Check out for battery charger from All Products

02. E2E test\_Home to check out ABB product from Our Brands

03. Search Product by Keyword

04. Search Product by Part No

05. Search Product by RS Stock No

Scenario: 01. E2E test\_Home to Check out for battery charger from All Products

Given I login into RS online website home page

And I ensure my basket is empty

When I search 'battery chargers in All Products' and added 1 item

Then I verify 1 item get added in basket

Scenario: 02. E2E test\_Home to check out ABB product from Our Brands

Given I login into RS online website home page

And I ensure my basket is empty

When I search 'ABB product in Our Brands' and added 1 item

Then I verify 1 item get added in basket

Scenario: 03. Search Product by Keyword

Given I login into RS online website home page

When I search product by 'Keyword' provided in excel sheet

Then I check the product exists or not

Scenario: 04. Search Product by Part No

Given I login into RS online website home page

When I search product by 'PartNo' provided in excel sheet

Then I check the product exists or not

Scenario: 05. Search Product by RS Stock No

Given I login into RS online website home page

When I search product by 'RSStockNo' provided in excel sheet

Then I check the product exists or not

**Config.Properties:**

websiteurl=https://uk.rs-online.com/web/

browser=chrome

implicit.wait=15

explicit.wait=10

ProductSearchFile=D:\\Projects\\RSC\\RSC-Online\\src\\External\\SearchProducts.xls

sheetName=Products

**OR.Config:**

# RS online Home page objects

homeLink=//\*[@id="pageHeader"]/div/a[@title='Home']

basketSummary=//\*[@id="js-basketQty"]/..

clearBasket=//\*[@id="clearBasketButton"]

closePopup=//div[@role='document']/a

# All Products objects

menuAllProducts=//a[@title='All Products']

lnkBatteries=//li/a[@href='/web/c/batteries/']

lnkBatCharger=//li/a[@href='/web/c/batteries/battery-chargers-battery-accessories/']

Category1=//a[contains(@title,'Battery Charger Connection Cords & Adapters')]

addBtn1=//button[@id='atbBtn-1']

addToBasketMessage=//div[@class='addToBasketMessage']

# Our Brands objects

menyOurBrands=//a[@title='Our Brands']

brandABB=//a[@title='ABB']

brandCat1=//\*[@id="galleryPopularCategory"]//a

# Search Product objects

inputSearch=//input[@id='searchTerm']

btnSearch=//input[@id='searchForm:findBtnweb']

prodDetails=//ul[@class='keyDetailsLL']

resultSearch=//h1[@class='searchResults']

**After test run, the content of Application.log:**

20/02/2018 14:30:40 devpinoyLogger Set up

20/02/2018 14:30:41 devpinoyLogger I login into RS online website home page

20/02/2018 14:30:59 devpinoyLogger I ensure my basket is empty

20/02/2018 14:31:35 devpinoyLogger I search battery chargers in All Products and added 1 item

20/02/2018 14:31:51 devpinoyLogger Set up

20/02/2018 14:31:51 devpinoyLogger I login into RS online website home page

20/02/2018 14:32:03 devpinoyLogger I ensure my basket is empty

20/02/2018 14:32:27 devpinoyLogger I search ABB product in Our Brands and added 1 item

20/02/2018 14:32:36 devpinoyLogger I verify 1 item get added in basket

20/02/2018 14:32:37 devpinoyLogger Item added successfully

20/02/2018 14:32:38 devpinoyLogger Set up

20/02/2018 14:32:38 devpinoyLogger I login into RS online website home page

20/02/2018 14:32:50 devpinoyLogger I search product by Keyword

20/02/2018 14:32:56 devpinoyLogger I check the product exists or not

20/02/2018 14:32:57 devpinoyLogger Set up

20/02/2018 14:32:57 devpinoyLogger I login into RS online website home page

20/02/2018 14:33:10 devpinoyLogger I search product by PartNo

20/02/2018 14:33:15 devpinoyLogger I check the product exists or not

20/02/2018 14:33:16 devpinoyLogger Set up

20/02/2018 14:33:16 devpinoyLogger I login into RS online website home page

20/02/2018 14:33:28 devpinoyLogger I search product by RSStockNo

20/02/2018 14:33:32 devpinoyLogger I check the product exists or not

**The content of Selenium.log:**

14:30:40,542 INFO devpinoyLogger:33 - Set up

14:30:41,169 INFO devpinoyLogger:45 - I login into RS online website home page

14:30:44,790 DEBUG RequestAddCookies:122 - CookieSpec selected: default

14:30:44,821 DEBUG RequestAuthCache:76 - Auth cache not set in the context

14:30:44,828 DEBUG PoolingHttpClientConnectionManager:249 - Connection request: [route: {}->http://localhost:30874][total kept alive: 0; route allocated: 0 of 2000; total allocated: 0 of 2000]

14:30:44,881 DEBUG PoolingHttpClientConnectionManager:282 - Connection leased: [id: 0][route: {}->http://localhost:30874][total kept alive: 0; route allocated: 1 of 2000; total allocated: 1 of 2000]

14:30:44,888 DEBUG MainClientExec:234 - Opening connection {}->http://localhost:30874

14:30:44,893 DEBUG DefaultHttpClientConnectionOperator:131 - Connecting to localhost/127.0.0.1:30874

14:30:44,897 DEBUG DefaultHttpClientConnectionOperator:138 - Connection established 127.0.0.1:52717<->127.0.0.1:30874

14:30:44,898 DEBUG DefaultManagedHttpClientConnection:90 - http-outgoing-0: set socket timeout to 10800000

14:30:44,899 DEBUG MainClientExec:255 - Executing request POST /session HTTP/1.1

14:30:44,900 DEBUG MainClientExec:260 - Target auth state: UNCHALLENGED

14:30:44,901 DEBUG MainClientExec:266 - Proxy auth state: UNCHALLENGED

14:30:44,906 DEBUG headers:135 - http-outgoing-0 >> POST /session HTTP/1.1

14:30:44,906 DEBUG headers:138 - http-outgoing-0 >> Content-Type: application/json; charset=utf-8

14:30:44,907 DEBUG headers:138 - http-outgoing-0 >> Content-Length: 122

14:30:44,911 DEBUG headers:138 - http-outgoing-0 >> Host: localhost:30874

14:30:44,912 DEBUG headers:138 - http-outgoing-0 >> Connection: Keep-Alive

14:30:44,913 DEBUG headers:138 - http-outgoing-0 >> User-Agent: Apache-HttpClient/4.5.1 (Java/1.8.0\_161)

14:30:44,913 DEBUG headers:138 - http-outgoing-0 >> Accept-Encoding: gzip,deflate

14:30:44,915 DEBUG wire:72 - http-outgoing-0 >> "POST /session HTTP/1.1[\r][\n]"

14:30:44,916 DEBUG wire:72 - http-outgoing-0 >> "Content-Type: application/json; charset=utf-8[\r][\n]"

14:30:44,917 DEBUG wire:72 - http-outgoing-0 >> "Content-Length: 122[\r][\n]"

14:30:44,918 DEBUG wire:72 - http-outgoing-0 >> "Host: localhost:30874[\r][\n]"

14:30:44,919 DEBUG wire:72 - http-outgoing-0 >> "Connection: Keep-Alive[\r][\n]"

14:30:44,920 DEBUG wire:72 - http-outgoing-0 >> "User-Agent: Apache-HttpClient/4.5.1 (Java/1.8.0\_161)[\r][\n]"

14:30:44,920 DEBUG wire:72 - http-outgoing-0 >> "Accept-Encoding: gzip,deflate[\r][\n]"

14:30:44,921 DEBUG wire:72 - http-outgoing-0 >> "[\r][\n]"

14:30:44,922 DEBUG wire:86 - http-outgoing-0 >> "{"desiredCapabilities":{"browserName":"chrome","chromeOptions":{"args":[],"extensions":[]},"version":"","platform":"ANY"}}"

14:30:48,037 DEBUG wire:72 - http-outgoing-0 << "HTTP/1.1 200 OK[\r][\n]"

14:30:48,038 DEBUG wire:72 - http-outgoing-0 << "Content-Length:831[\r][\n]"

14:30:48,039 DEBUG wire:72 - http-outgoing-0 << "Content-Type:application/json; charset=utf-8[\r][\n]"

14:30:48,040 DEBUG wire:72 - http-outgoing-0 << "[\r][\n]"

**Output in Console Window:**

Feature: RS Online End 2 End testing

log4j:WARN No appenders could be found for logger (devpinoyLogger).

log4j:WARN Please initialize the log4j system properly.

log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.

Background: RS Component website is up and running \_[90m# RSCOnline.feature:3\_[0m

List of Scenarios covered:

01. E2E test\_Home to Check out for battery charger from All Products

02. E2E test\_Home to check out ABB product from Our Brands

03. Search Product by Keyword

04. Search Product by Part No

05. Search Product by RS Stock No

Starting ChromeDriver 2.35.528161 (5b82f2d2aae0ca24b877009200ced9065a772e73) on port 44129

Only local connections are allowed.

Item added successfully

Scenario: 01. E2E test\_Home to Check out for battery charger from All Products \_[90m# RSCOnline.feature:11\_[0m

\_[32mGiven \_[0m\_[32mI login into RS online website home page\_[0m \_[90m# RSCOnlineSteps.I\_login\_into\_RS\_online\_website\_home\_page()\_[0m

\_[32mAnd \_[0m\_[32mI ensure my basket is empty\_[0m \_[90m# RSCOnlineSteps.I\_ensure\_my\_basket\_is\_empty()\_[0m

\_[32mWhen \_[0m\_[32mI search '\_[0m\_[32m\_[1mbattery chargers in All Products\_[0m\_[32m' and added 1 item\_[0m \_[90m# RSCOnlineSteps.I\_search\_Products\_and\_added\_1\_item(String)\_[0m

\_[32mThen \_[0m\_[32mI verify 1 item get added in basket\_[0m \_[90m# RSCOnlineSteps.I\_verify\_1\_item\_get\_added\_in\_basket()\_[0m

Background: RS Component website is up and running \_[90m# RSCOnline.feature:3\_[0m

List of Scenarios covered:

01. E2E test\_Home to Check out for battery charger from All Products

02. E2E test\_Home to check out ABB product from Our Brands

03. Search Product by Keyword

04. Search Product by Part No

05. Search Product by RS Stock No

Starting ChromeDriver 2.35.528161 (5b82f2d2aae0ca24b877009200ced9065a772e73) on port 41372

Only local connections are allowed.

Item added successfully

Scenario: 02. E2E test\_Home to check out ABB product from Our Brands \_[90m# RSCOnline.feature:17\_[0m

\_[32mGiven \_[0m\_[32mI login into RS online website home page\_[0m \_[90m# RSCOnlineSteps.I\_login\_into\_RS\_online\_website\_home\_page()\_[0m

\_[32mAnd \_[0m\_[32mI ensure my basket is empty\_[0m \_[90m# RSCOnlineSteps.I\_ensure\_my\_basket\_is\_empty()\_[0m

\_[32mWhen \_[0m\_[32mI search '\_[0m\_[32m\_[1mABB product in Our Brands\_[0m\_[32m' and added 1 item\_[0m \_[90m# RSCOnlineSteps.I\_search\_Products\_and\_added\_1\_item(String)\_[0m

\_[32mThen \_[0m\_[32mI verify 1 item get added in basket\_[0m \_[90m# RSCOnlineSteps.I\_verify\_1\_item\_get\_added\_in\_basket()\_[0m

Background: RS Component website is up and running \_[90m# RSCOnline.feature:3\_[0m

List of Scenarios covered:

01. E2E test\_Home to Check out for battery charger from All Products

02. E2E test\_Home to check out ABB product from Our Brands

03. Search Product by Keyword

04. Search Product by Part No

05. Search Product by RS Stock No

Starting ChromeDriver 2.35.528161 (5b82f2d2aae0ca24b877009200ced9065a772e73) on port 24356

Only local connections are allowed.

battery chargers

Product exists!

Scenario: 03. Search Product by Keyword \_[90m# RSCOnline.feature:23\_[0m

\_[32mGiven \_[0m\_[32mI login into RS online website home page\_[0m \_[90m# RSCOnlineSteps.I\_login\_into\_RS\_online\_website\_home\_page()\_[0m

\_[32mWhen \_[0m\_[32mI search product by '\_[0m\_[32m\_[1mKeyword\_[0m\_[32m' provided in excel sheet\_[0m \_[90m# RSCOnlineSteps.I\_search\_Products(String)\_[0m

\_[32mThen \_[0m\_[32mI check the product exists or not\_[0m \_[90m# RSCOnlineSteps.I\_check\_the\_product\_exists\_or\_not()\_[0m

Background: RS Component website is up and running \_[90m# RSCOnline.feature:3\_[0m

List of Scenarios covered:

01. E2E test\_Home to Check out for battery charger from All Products

02. E2E test\_Home to check out ABB product from Our Brands

03. Search Product by Keyword

04. Search Product by Part No

05. Search Product by RS Stock No

Starting ChromeDriver 2.35.528161 (5b82f2d2aae0ca24b877009200ced9065a772e73) on port 26642

Only local connections are allowed.

MIKROE-1198

Product exists!

Scenario: 04. Search Product by Part No \_[90m# RSCOnline.feature:28\_[0m

\_[32mGiven \_[0m\_[32mI login into RS online website home page\_[0m \_[90m# RSCOnlineSteps.I\_login\_into\_RS\_online\_website\_home\_page()\_[0m

\_[32mWhen \_[0m\_[32mI search product by '\_[0m\_[32m\_[1mPartNo\_[0m\_[32m' provided in excel sheet\_[0m \_[90m# RSCOnlineSteps.I\_search\_Products(String)\_[0m

\_[32mThen \_[0m\_[32mI check the product exists or not\_[0m \_[90m# RSCOnlineSteps.I\_check\_the\_product\_exists\_or\_not()\_[0m

Background: RS Component website is up and running \_[90m# RSCOnline.feature:3\_[0m

List of Scenarios covered:

01. E2E test\_Home to Check out for battery charger from All Products

02. E2E test\_Home to check out ABB product from Our Brands

03. Search Product by Keyword

04. Search Product by Part No

05. Search Product by RS Stock No

Starting ChromeDriver 2.35.528161 (5b82f2d2aae0ca24b877009200ced9065a772e73) on port 28330

Only local connections are allowed.

882-8904

Product exists!

Scenario: 05. Search Product by RS Stock No \_[90m# RSCOnline.feature:33\_[0m

\_[32mGiven \_[0m\_[32mI login into RS online website home page\_[0m \_[90m# RSCOnlineSteps.I\_login\_into\_RS\_online\_website\_home\_page()\_[0m

\_[32mWhen \_[0m\_[32mI search product by '\_[0m\_[32m\_[1mRSStockNo\_[0m\_[32m' provided in excel sheet\_[0m \_[90m# RSCOnlineSteps.I\_search\_Products(String)\_[0m

\_[32mThen \_[0m\_[32mI check the product exists or not\_[0m \_[90m# RSCOnlineSteps.I\_check\_the\_product\_exists\_or\_not()\_[0m

5 Scenarios (\_[32m5 passed\_[0m)

17 Steps (\_[32m17 passed\_[0m)

1m44.323s

**Junit report:**

