ECSE 428 Assignment B

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Summary of Files

All files can be found at: <https://github.com/HankyZ/ecse428-a2-2019>

* src/test/resources/gmail.feature

Cucumber feature file using Gherkin script

* src/main/java/Steps.java

Step definitions and helper methods

* src/main/java/Runner.java

Junit4 Test Runner (main method)

* res/\*

Image files used for the test

* drivers/chromedriver.exe

Chrome Web Driver used in the Selenium test

* pom.xml

Maven project file, the used dependencies are found here

* test.mp4

Video illustrating the execution of the tests

Environment Description

This test is run on a Windows 10 computer with JRE 11 and driver for Google Chrome ver. 71 - 73.

The project is compiled with Java 11, uses Maven to manage dependencies and IntelliJ IDEA as IDE.

Installation and Execution Instructions

1. Clone the repository found at <https://github.com/HankyZ/ecse428-a2-2019>.
2. Install Maven and add it to PATH (Maven can be downloaded from <http://maven.apache.org/download.cgi>).
3. Install IntelliJ IDEA and make sure Maven plugin is installed (IntelliJ IDEA can be downloaded from <https://www.jetbrains.com/idea/download/>).
4. Using IntelliJ IDEA, click on Import Project and select “pom.xml” then use the default settings.
5. Wait until IntelliJ IDEA finishes downloading the dependencies.
6. Open the file src/main/java/Steps.java and edit “projectPath” variable to the path of the cloned repository. Follow the same format as the initial value.
7. Run “Runner.java”.

Story Statement:

**Story:**As a Gmail account holder,  
I want to send an email with an image attachment  
so the recipient can view and download the image.

**Normal Flow:** Send the email after attaching an image file and writing the recipient and the   
 subject

Given I am on a Gmail page  
 And I am logged in  
 And I have opened an empty New Message window   
 When I write the recipient  
 And I write the subject  
 And I attach an image file  
 And I press Send  
 Then the email should be sent  
 And I should see a success message

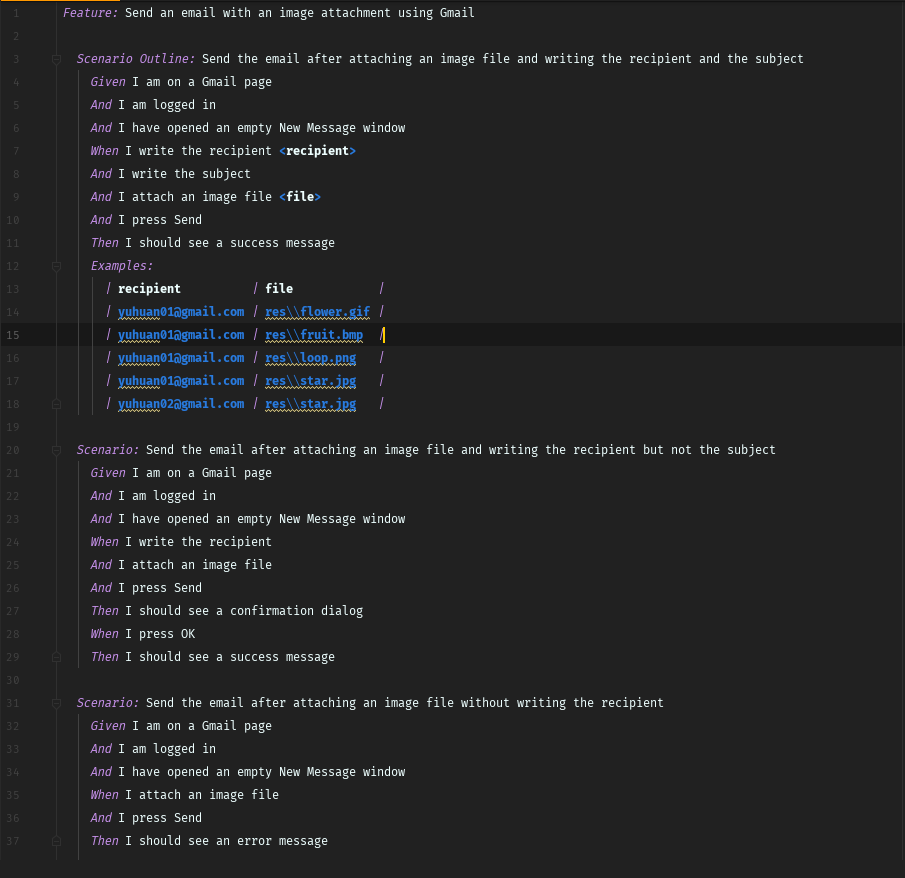
**Alternate Flow:** Send the email after attaching an image file and writing the recipient but not  
 the subject

Given I am on a Gmail page  
 And I am logged in  
 And I have opened an empty New Message window  
 When I write the recipient  
 And I attach an image file  
 And I press Send  
 Then I should see a confirmation dialog  
 When I press OK  
 Then the email should be sent  
 And I should see a success message

**Error Flow:** Send the email after attaching an image file without writing the recipient

Given I am on a Gmail page  
 And I am logged in  
 And I have opened an empty New Message window  
 When I attach an image file  
 And I press "Send"  
 Then my email is not sent  
 And I should see an error message

Cucumber Feature File



Source Code of Step Definitions

<https://github.com/HankyZ/ecse428-a2-2019/blob/master/src/main/java/Steps.java>

Benefits and Risks