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 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 import the repository as a Maven project (IntelliJ IDEA can be downloaded from <https://www.jetbrains.com/idea/download/>).
4. 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.
5. Open terminal and navigate to the repository. Run the command “mvn clean install”.
6. 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

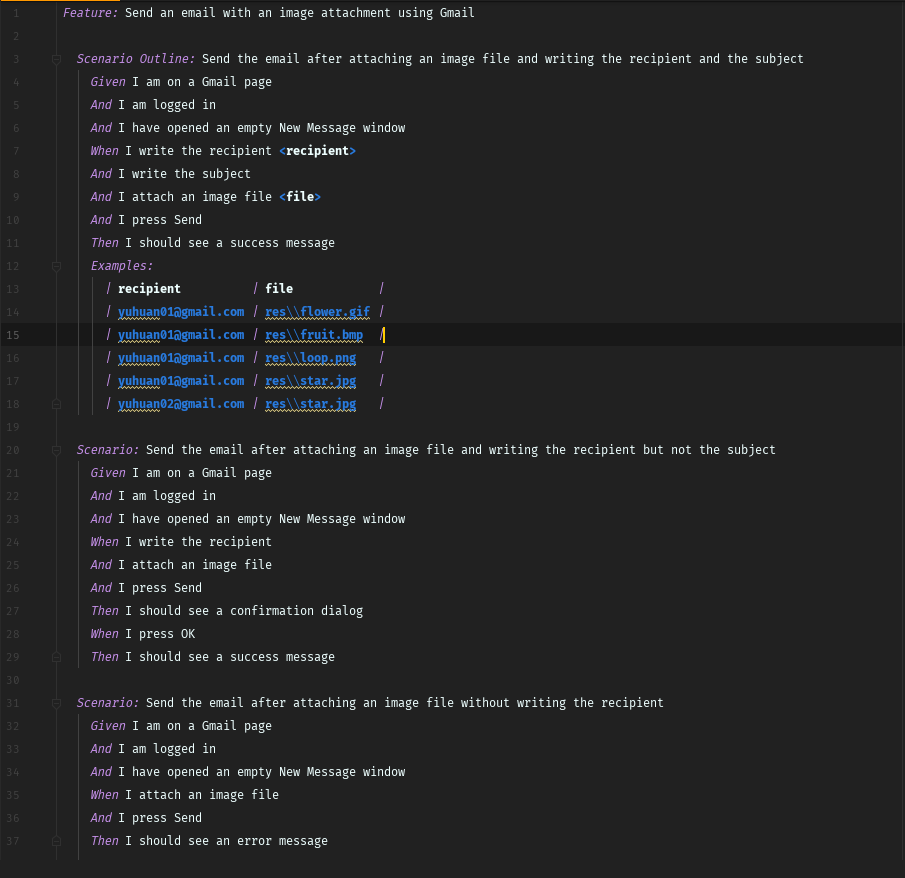
**Alternate Flow:** Send the email after attaching an image file and writing the recipient but not  
 the subject

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