Course: CSC 220.02
Student: Kullathon "Mos" Sitthisarnwattanachai, **SFSU ID:** 921425216
Teammate: n/a, **SFSU ID:** n/a
Assignment Number: 05
Assignment Due Date & Time: 05-07-2020 at 11:55 PM

PART A: GOOGLE GUAVA – Importing Google Guava, 25 points

Please follow the instructions posted on File Manager and the demonstration in class to import

Google Guava into our IDE. It is OK to use either NetBeans or IntelliJ.

- NetBeans version:

  http://csc220.ducta.net/WEEK-14/dictionaryGoogleGuava-00-HowToImport/GoogleGu

  ava_import_NetBeans.pdf

- IntelliJ version:

  http://csc220.ducta.net/WEEK-14/dictionaryGoogleGuava-00-HowToImport/GoogleGu

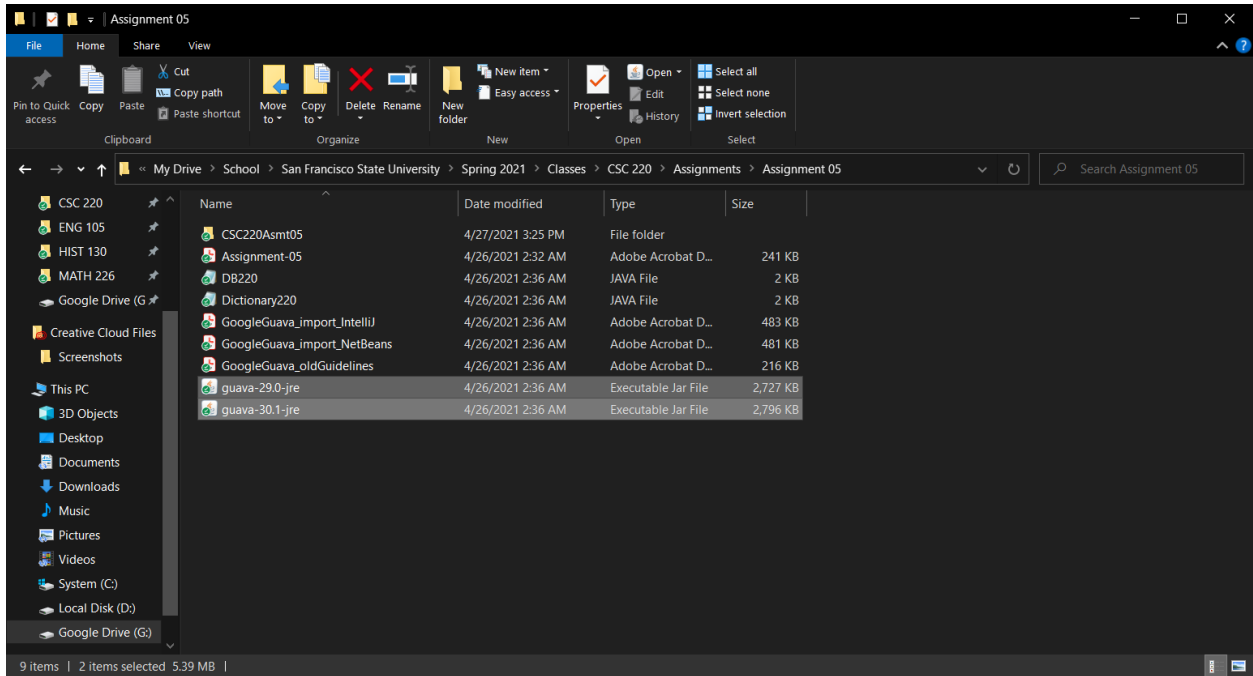 ava_import_IntelliJ.pdf

- More resources:

  - URL:

    http://csc220.ducta.net/WEEK-14/dictionaryGoogleGuava-00-HowToImport/ind

    ex.php

  - URL, the dictionaryGoogleGuava directories: http://csc220.ducta.net/WEEK-14/

In our assignment report, please clearly show the steps and demonstrate Google Guava
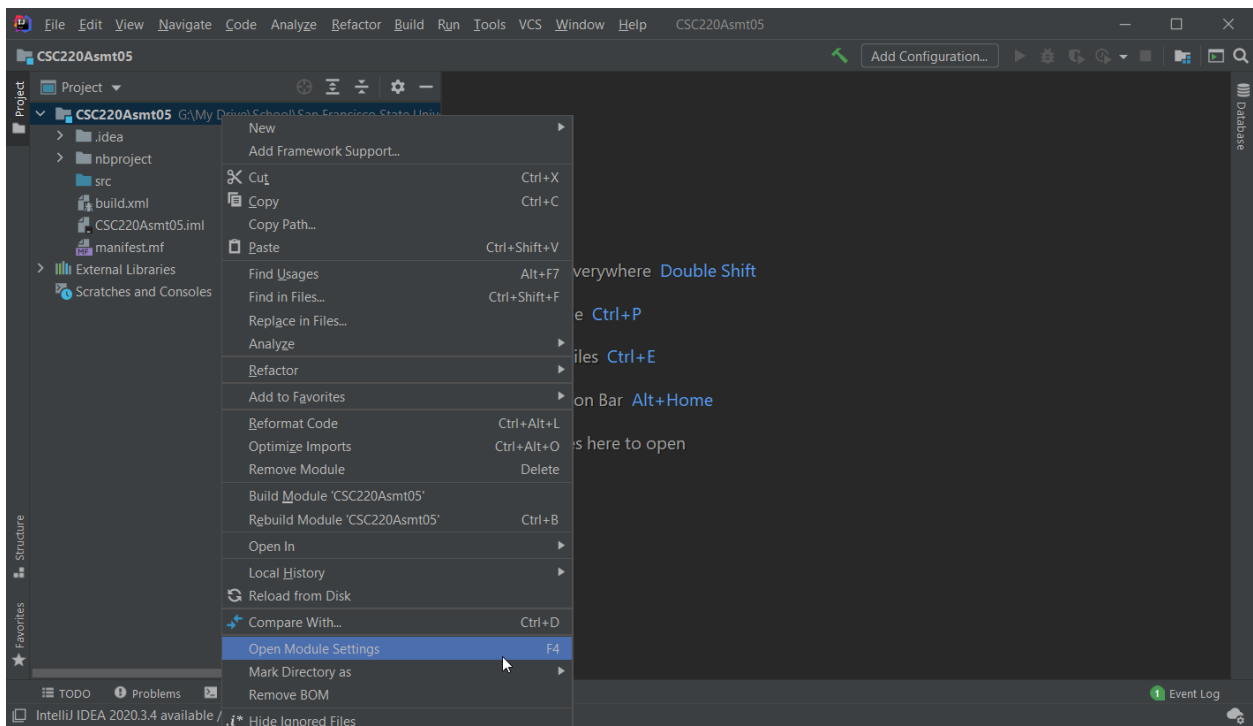
imported successful.

- The following steps demonstrate the steps of importing Google Guava into IntelliJ.

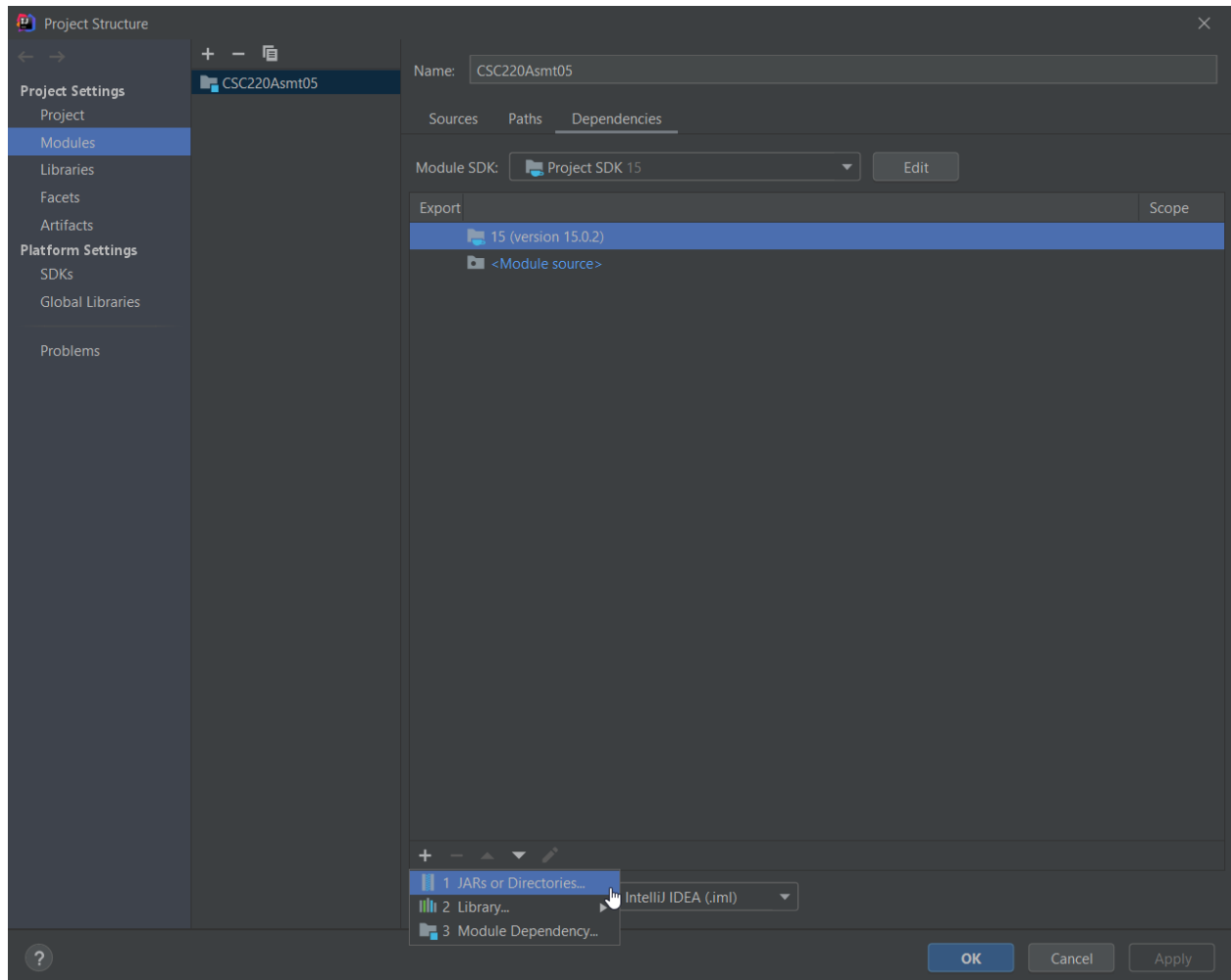 These steps follow the instructions provided on the File Manager for IntelliJ.
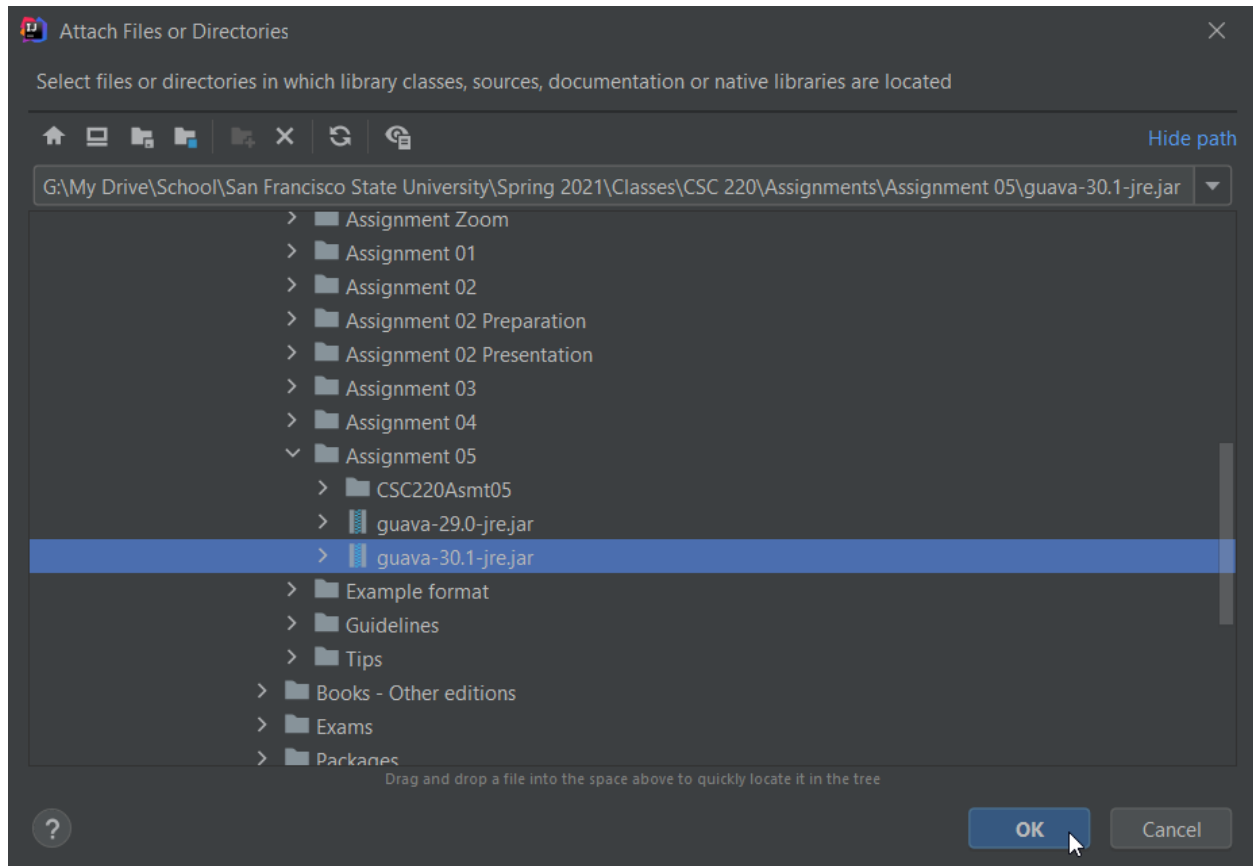
- First, download the JAR file(s) from the File Manager.

- In IntelliJ, right-click the project and select "Open Module Settings."

- Under the "Dependencies" tab, click the "+" button and select "JARs or Directories…"

- Select one of the downloaded JAR files. In this example, guava-30.1-jre.jar is being imported. Then, select "OK" to save changes.
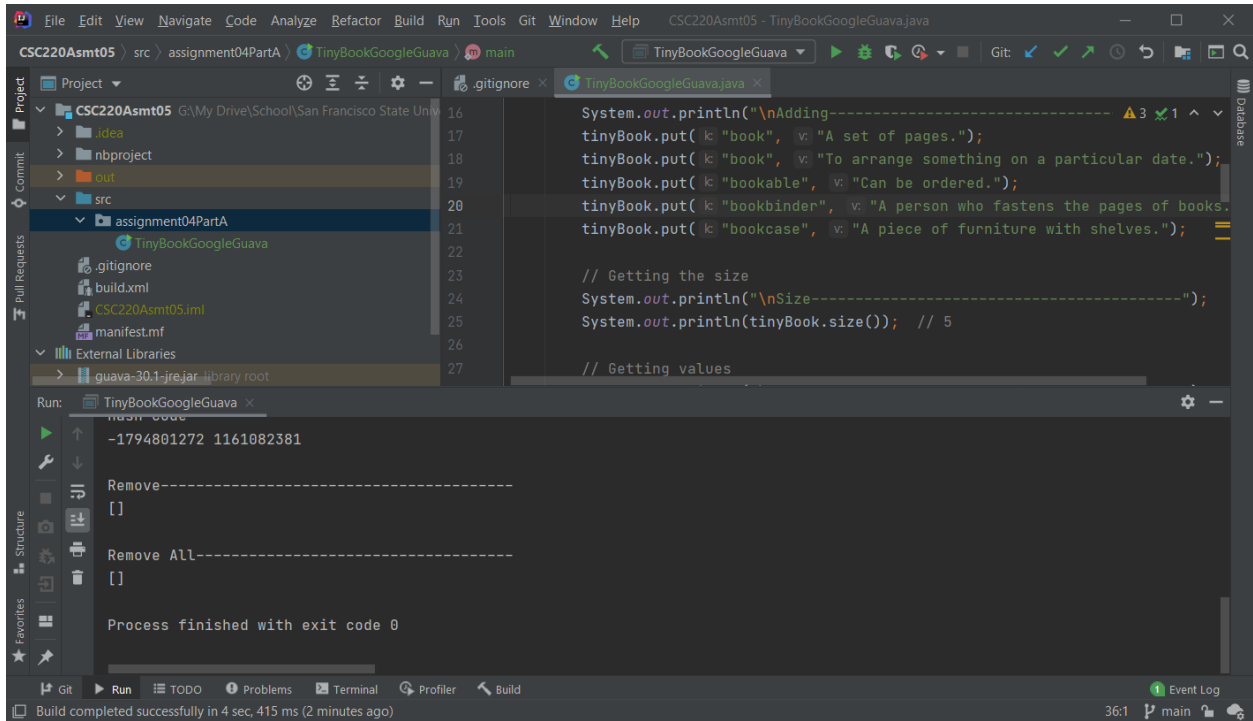
- To test if Google Guava has been imported properly, run the provided starter

  TinyBookGoogleGuava.java file.

  The image below shows a successful compilation of the program. This means that

  Google Guava has been imported successfully without errors.

PART B AND PART C: GOOGLE GUAVA – Mastering Google Guava, 65 points

Please implement an interactive dictionary. Our dictionary takes input from users and use the input as search key to look up value(s) associated with the key.

1. This assignment does not require following any given skeleton code.

2. We are required to use Enum and Google Guava Multimap in our implementation.

3. Please state clearly in our report if we implement both versions.

4. Please keep the two version separate: Part B - The Standard version vs. Part C - The Professional version.

> Both versions are implemented. Please see instructions below on how to run them.
> **Package assignment04PartBAndC requires Google Guava 30.1 to run.**

PART B – Standard Version, 50 points

Our program's output must be identical to the output on the 2nd page.

- See assignment04PartBAndC in the attached files.

  Run the assignment04PartBAndC/StdDictClient.java as the Main class.

PART C – Professional Version, 15 Extra Credit points

Our program's output must be identical to the output on the 3rd page.

- See assignment04PartBAndC in the attached files.

  Run the assignment04PartBAndC/ProDictClient.java as the Main class.