

Dependency Injection Exercise

Re-submit Assignment

Due Mar 25 by 11:59pm **Points** 2 **Submitting** a file upload **File Types** java

Complete the exercise in Java and submit your work [here](#).

1. Make a copy of your completed Spelling Checker program from the Dependency Inversion in-class exercise.
2. If necessary, put the copied Spelling Checker code in an IntelliJ project.
3. To your project, add a Maven dependency on “com.google.inject:guice:4.2.2” which is the Google Guice dependency injection library
4. Modify the Spelling Checker program to use dependency injection using Google Guice. Use the Guice User’s Guide to guide you (this is referenced in the reading).
5. Write some unit test cases for the SpellingChecker class **using at least 1 mock implementation** of its dependencies. You may use a unit test framework such as JUnit, or just write your own simple test driver.

Submission:

- Submit the following as .java files. DO NOT SUBMIT A ZIP FILE
 - 2 Spell Checker modules: 1 with mock implementations and 1 with normal implementations
 - The mock implementation classes of the interfaces created in the Dependency Inversion exercise
 - 2 files that use the SpellChecker object, using Guice to provide dependencies
 - 1 with mock implementations (a test class written for this exercise)
 - 1 with normal implementations (your Main class, modified to use Guice)
 - File containing the SpellChecker class

