

# Automated testing with mocks - Hands-On Exercises

## Hands-On: Mocking a DAO

1. Add POJO unit tests for LibraryBusinessService. Refer to the POJO unit tests from a previous exercise.

## BONUS

2. Keep adding unit tests for LibraryBusinessService until you achieve 100% test coverage.
  - a) In Eclipse, set the path for code coverage:
    - Window > Preferences > Java > Code Coverage  
Only path entries matching: `src/main/java`
    - To exclude classes or methods from code coverage, add `@Generated` from the `com.fidelity.utils` package.
      - Useful for `equals()`, `hashCode()`, `toString()`, getters and setters, stub DAO, etc.
    - Run a test coverage report: right-click

## Hands-On: Mocking RESTful Services

1. Write WebLayerTests for the LibraryService. Refer to the Spring web layer tests from a previous exercise .

## BONUS

2. Have you achieved 100% test coverage? If not, keep adding tests.