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Java Object-Oriented Concepts

Lesson 2 - JUnit and Drills

Objectives

- Understand test-driven development

- Understand JUnit

- Use JUnit to implement unit tests for a simple class

- Discuss and understand some basic patterns in unit testing

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JUnit

- JUnit is a Unit Testing Framework for Java.

- Unit testing: automated test suites that test the lowest-level components of an application (system and integration tests look at the system as a whole).

- Creating unit tests for software components is the responsibility of the person who develops the component.

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Test-Driven Development

- Test-Driven Development (TDD) refers to a development approach where test code is developed alongside application code

- Purists will insist that the test code is developed **before** the code that is under test

- I usually develop some code and then create the unit tests for that code immediately after

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Example

- Let's create tests for one of the exercises in Drills

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