Object-Oriented Programming in Java

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based on work from:

Ch. Gravier, F. Laforest, J. Subercaze

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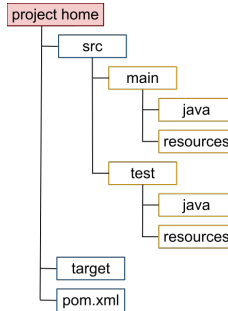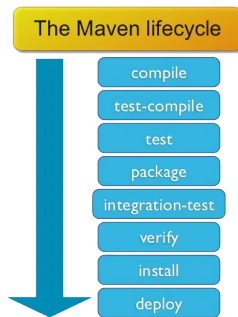- Goal: Manage compilation chain & dependencies
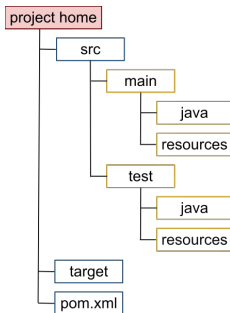
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- Uses conventions

Maven[1]

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  - Project architecture

[1] https://dzone.com/refcardz/apache-maven-2

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- Uses conventions
  - Project architecture
  - Pre-configured rules: `clean`, `compile`...

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[1]

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- Configuration via `pom.xml` file

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  mvn clean compile
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- Example usage:
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  mvn clean compile
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- We will let Eclipse do (most of) that for us!!

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[1]

```
1    <project>
2    <!-- model version is always 4.0.0 for Maven 2.x POMs -->
3    <modelVersion>4.0.0</modelVersion>
4    <!-- project coordinates, i.e. a group of values which uniquely identify this project -->
5    <groupId>com.mycompany.app</groupId>
6    <artifactId>my-app</artifactId>
7    <version>1.0</version>
8    <!-- library dependencies -->
9    <dependencies>
10   <dependency>
11   <!-- coordinates of the required library -->
12   <groupId>junit</groupId>
13   <artifactId>junit</artifactId>
14   <version>3.8.1</version>
15   <!-- this dependency is only used for running and compiling tests -->
16   <scope>test</scope>
17   </dependency>
18   </dependencies>
19   </project>
```