

Development Practices

Brain Leke Betetchouh & 'Wole Solana

April 6, 2015

ThoughtWorks®

Some software development practices

Some software development practices

- Object Oriented Programming (OOP)

Some software development practices

- Object Oriented Programming (OOP)
- Test Driven Development (TDD)

Object Oriented Programming

Object Oriented Programming

- OOP is a design approach that allows integration of code and data using the concept of an **object**.

Object Oriented Programming

- OOP is a design approach that allows integration of code and data using the concept of an **object**.
- An **object** is a structure that contains *both* data (attributes) and behaviour (methods).

Object Oriented Programming

- OOP is a design approach that allows integration of code and data using the concept of an **object**.
- An **object** is a structure that contains *both* data (attributes) and behaviour (methods).
- This enables us to build programs in a modular way that enhances reusability and maintainability.

Test Driven Development

Test Driven Development

- TDD is an **iterative** process in which we **incrementally** add functionality to our code by **writing tests first** before any production code.



Further Reading



Kent Beck.

Test-driven development: by example.

Addison-Wesley Professional, 2003.



Martin Fowler.

Refactoring: Improving the design of existing code, 1997.



Dave Thomas and Andy Hunt.

The pragmatic programmer: From journeyman to master, 1999.