Javascript

functions() { }

Functions

- anatomy of a function

- function declaration vs expression

- function scope

- parameters

- callbacks

Javascript

objects = { }

Objects

- some data types

- object literals

- object properties & methods

- object nesting & dot notation

- JSON

Javascript

```javascript
( function() { return { pattern: true } } )()
```

Patterns

- Design Patterns

- Closures (private data)

- Modules / libraries

- Observer

- Fluent Interface

Observer

+notify()

Subject

+observerCollection

+registerObserver(observer)
+unregisterObserver(observer)
+notifyObservers()

notifyObservers()
 for observer in observerCollection
  call observer.notify()

ConcreteObserverA

+notify()

ConcreteObserverB

+notify()

Design Patterns
Elements of Reusable
Object-Oriented Software

Erich Gamma
Richard Helm
Ralph Johnson
John Vlissides

Foreword by Grady Booch