

# Cairngorm Framework: A Brief Introduction

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# What is Cairngorm?

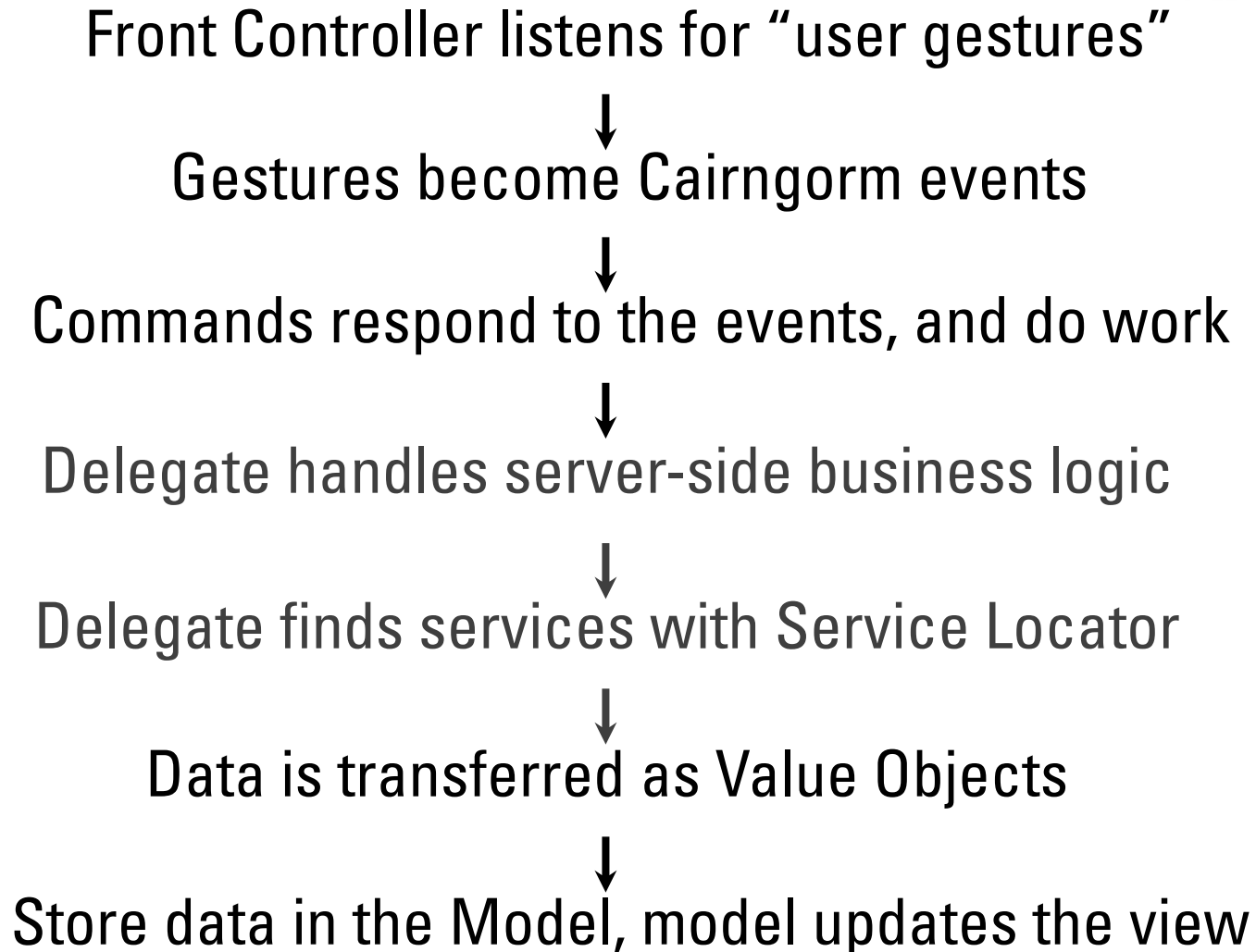


- Created by Steven Webster of Adobe Consulting
- A micro-architecture
  - Architectural framework
  - Infrastructure
  - A composition of design patterns
- Model/View/Control (MVC)
- Open Source
- Medium to complex Flex RIAs





- Value Object
- Model Locator (Singleton)
- Service to Worker
  - Front Controller
  - Event Broadcaster
  - Command
- Service Locator (Singleton)
- Business Delegate





- Create and register an event to a command with the Front Controller using `addCommand()`
- Handle any logic (work) in the `execute()` method in the command
  - If the command requires a new service, add the service to the Service Locator and add corresponding service calls to a Business Delegate
- Use `result()` and `fault()` methods to handle response from the server
- Update data in the model



- “A tell tail sign of a well designed architectural framework is in it’s ability to facilitate code generation - and Adobe Cairngorm does just that” - Eric Feminella
- Cairngen - <http://www.ericfeminella.com/blog/cairngen/>
- Cairngorm Creator - <http://tylerbeck.com/archives/23/introducing-cairngorm-creator/>
- Cairngorm Plugin - <http://blog.thinkingdigital.org/?p=3>

- **Pros**
  - Simplicity of workflow after initial setup
  - Organization
  - Facilitates cooperative development
  - Developed by Adobe
  - Heavily involved with the Flex Framework
- **Cons**
  - Learning curve
  - Initial setup
  - Number of classes > complexity and overhead