## Controlling Actions Precisely by Using Names

Set an action's name property so you can access it later without needing an instance variable.

## Overview

Normally, you can't see which actions a node is executing, and if you want to remove actions, you must remove all of them. If you need to see whether a particular action is executing, or if you want to remove a specific action, use named actions. A named action is characterized by a unique string that identifies the action. Using named actions, you can start, remove, find and replace the actions of a node.

## Create and Run a Named Action

The following code creates and runs a new action identified with the ignition key.

The following key-based methods are available:

- >> run(\_:withKey:) method to run the action. If an action with the same key is already executing, it is removed before the new action is added.
- >> action(forKey:) method to determine if an action with that key is already running.
- >> removeAction(forKey:) method to remove the action.

## Find and Replace an In-Flight Action

The code below shows how you use a name to replace an action that's currently running. The code determines where a mouse click occurred and then runs an action that moves a sprite to the click location. The action duration is calculated ahead of time to move the sprite at a fixed speed. Because this code uses run(\_:withKey:), any previous move that's still executing is stopped and replaced by the new action with the same name.