Promises and Deferred

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Introduction

- **If everything is asynchronous how do we link operations?**
- **I want to know when one or more operations complete**
  - AJAX
  - Animations
  - Etc

How does it work?

- **A Deferred object controls operation**
- **Progress raised as deferred runs**
- **Done raised when deferred action completes successfully**
- **Failure raised when deferred action is unsuccessful**
- **Future access to the deferred result should not change**

Demo

Implementing a simple Promise

jQuery

- **jQuery.Deferred (from jQuery 1.5)**
- **Implemented by $.ajax**
- **Public API for use anywhere**

Demo

Using jQuery.Deferred

Recap

- **Similar to Pub/ Sub but more designed for asynchronous operations**

- **Progress/ Done/ Failed operations**

- **jQuery provides an implementation**