Promises

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Futures are "read-only" async computations

Promises are "controllable" wrappers over a Future

Thread 1:

- creates an empty promise
- knows how to handle result

Thread 2:

- has a reference to the promise
- fulfills or fails the promise

```
val p = Promise[Int]()
val future = p.future

future.onComplete {
    case Success(value) => ...
    case Failure(ex) => ...
}

p.failure(new BadException(...))

trigger
complete(Try {...})
```

Scala rocks