

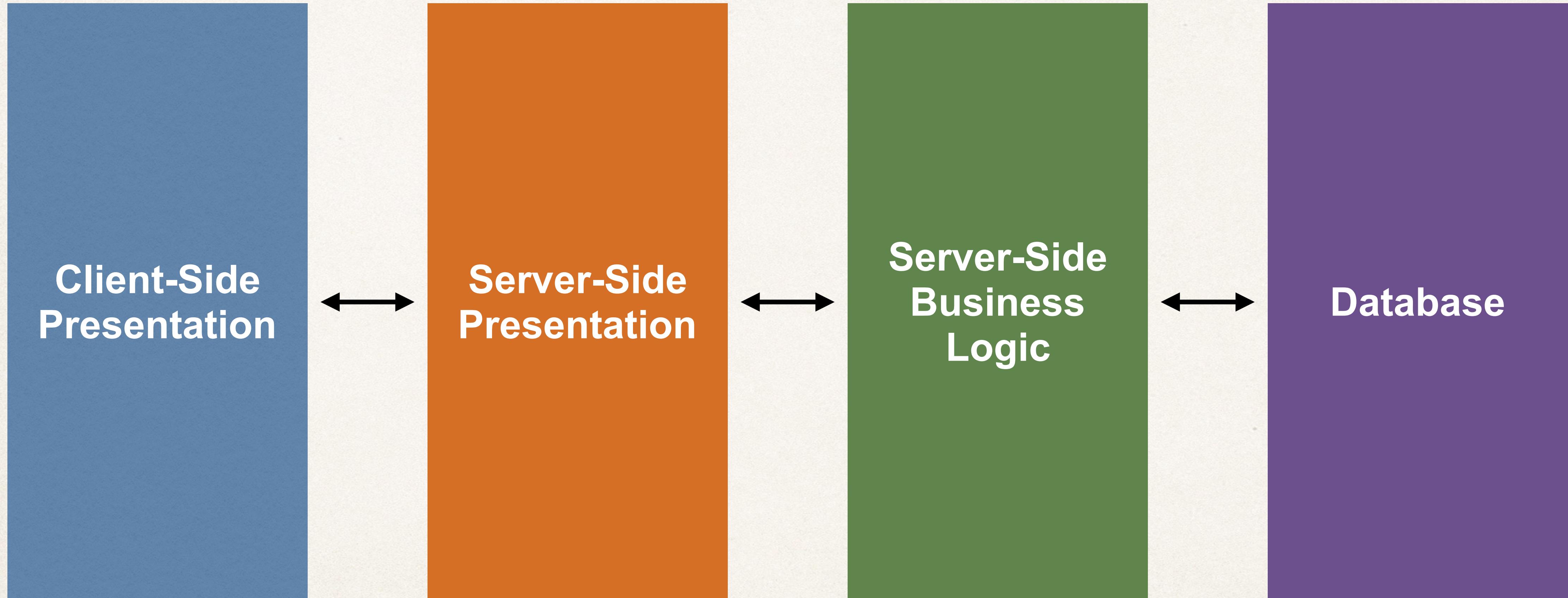
Why Spring?



Spring in a Nutshell

- Very popular framework for building Java applications
- Initially a simpler and lightweight alternative to J2EE
- Provides a large number of helper classes ... makes things easier

But What About J2EE???



But What About Java EE???

J2EE 1.2

Servlets
JSP
EJB
JMS
RMI

J2EE 1.3

EJB
CMP
JCA

J2EE 1.4

Web
Services
Mgmt
Deployment

Java EE 5

Ease of use
EJB 3
JPA
JSF
JAXB
JAX-WS

Java EE 6

Pruning,
Ease of use
JAX-RS
CDI
Bean-
Validation

Java EE 7

JMS 2
Batch
TX
Concurrent
y
Web
Sockets

1999

2001

2003

2006

2009

2013

EJB v1 and v2 - Complexity

- Early version of EJB (v1 and v2) were extremely complex!!!
- Multiple deployment descriptors
- Multiple interfaces
- Poor Performance of Entity Beans

EJB Client

Home Interface
Home Object

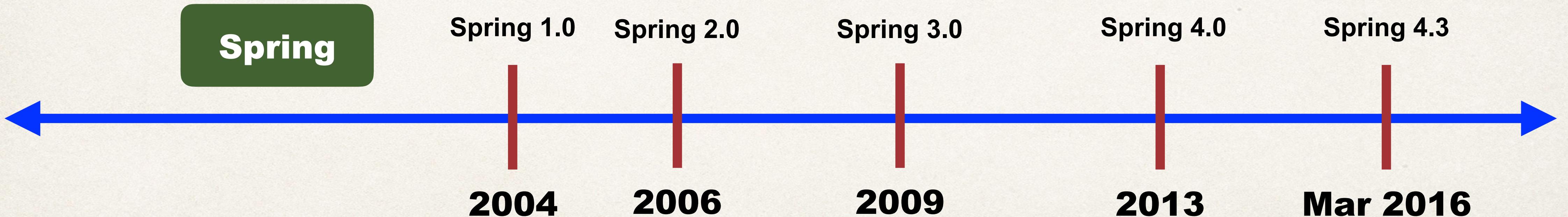
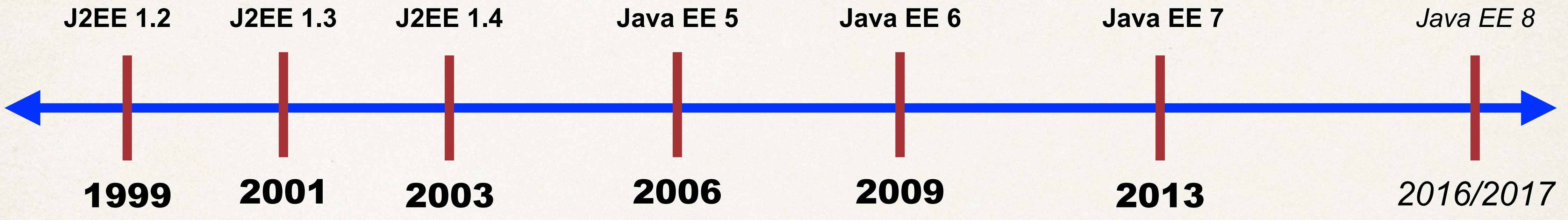
Component Interface
EJB Object

Bean Class

J2EE Development without EJB

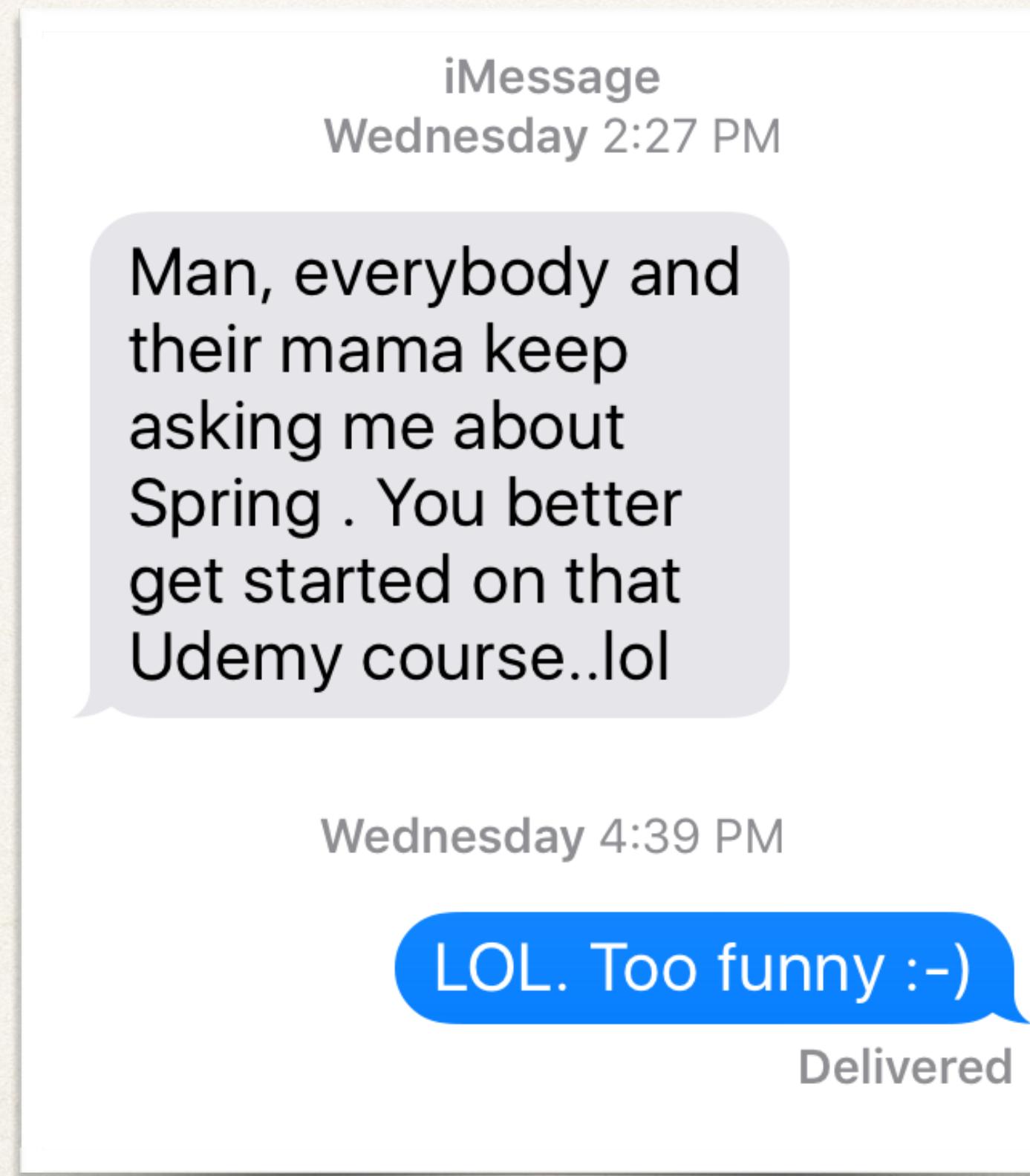
- Rod Johnson
 - Founder of Spring
- Book: *J2EE Development without EJB*, Wrox Press
- Book: *Java Development with the Spring Framework*, Wrox Press

Release Timeline



Spring is Still in Demand

- Most sought-after Java skill set by employers and recruiters



What Should You Do?

- Spring
- Java EE

Why Spring?

