Advanced Domain Modelling

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Requirements

Gig is canceled
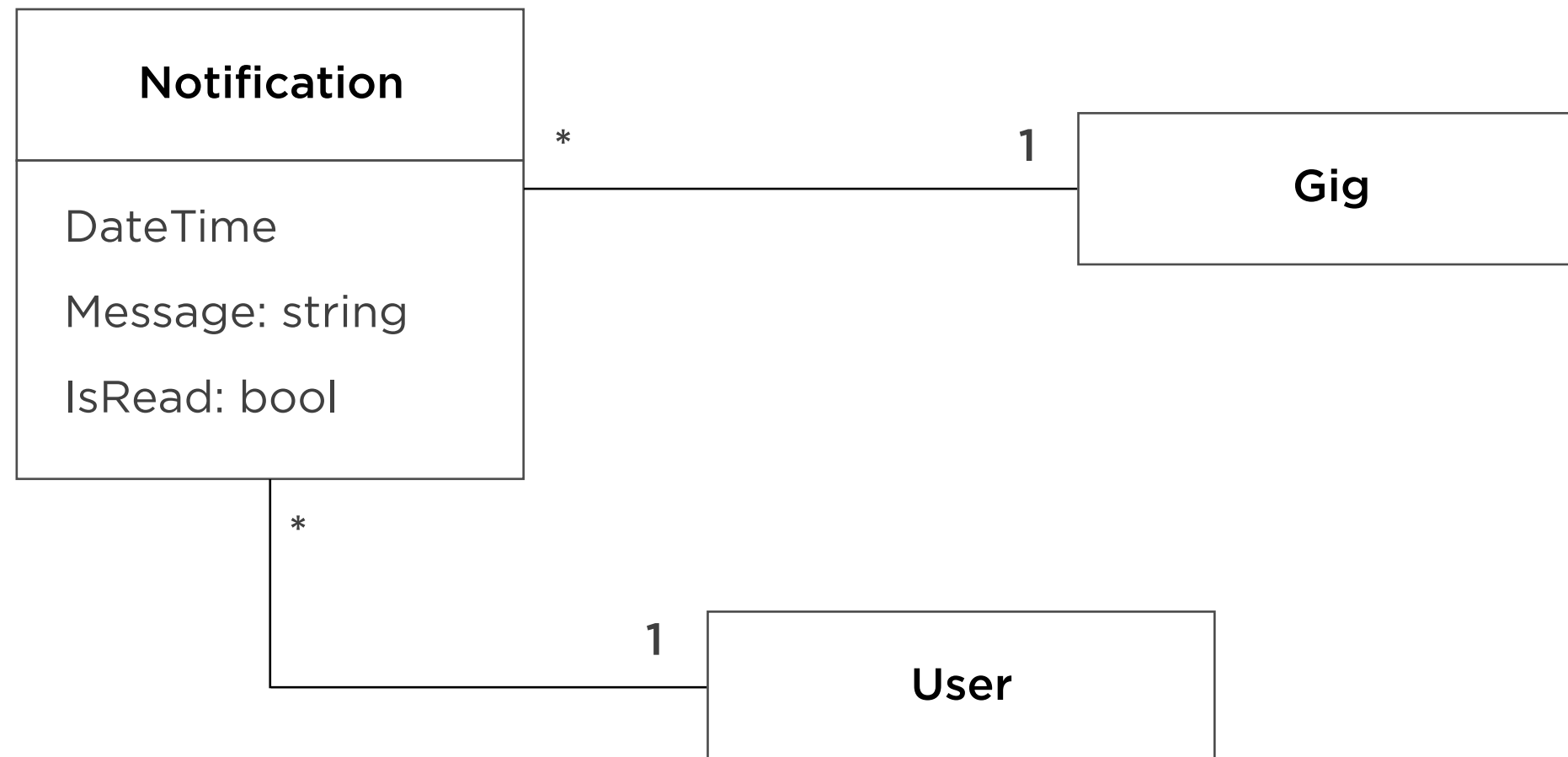
Gig is updated

Gig is listed

Notifications

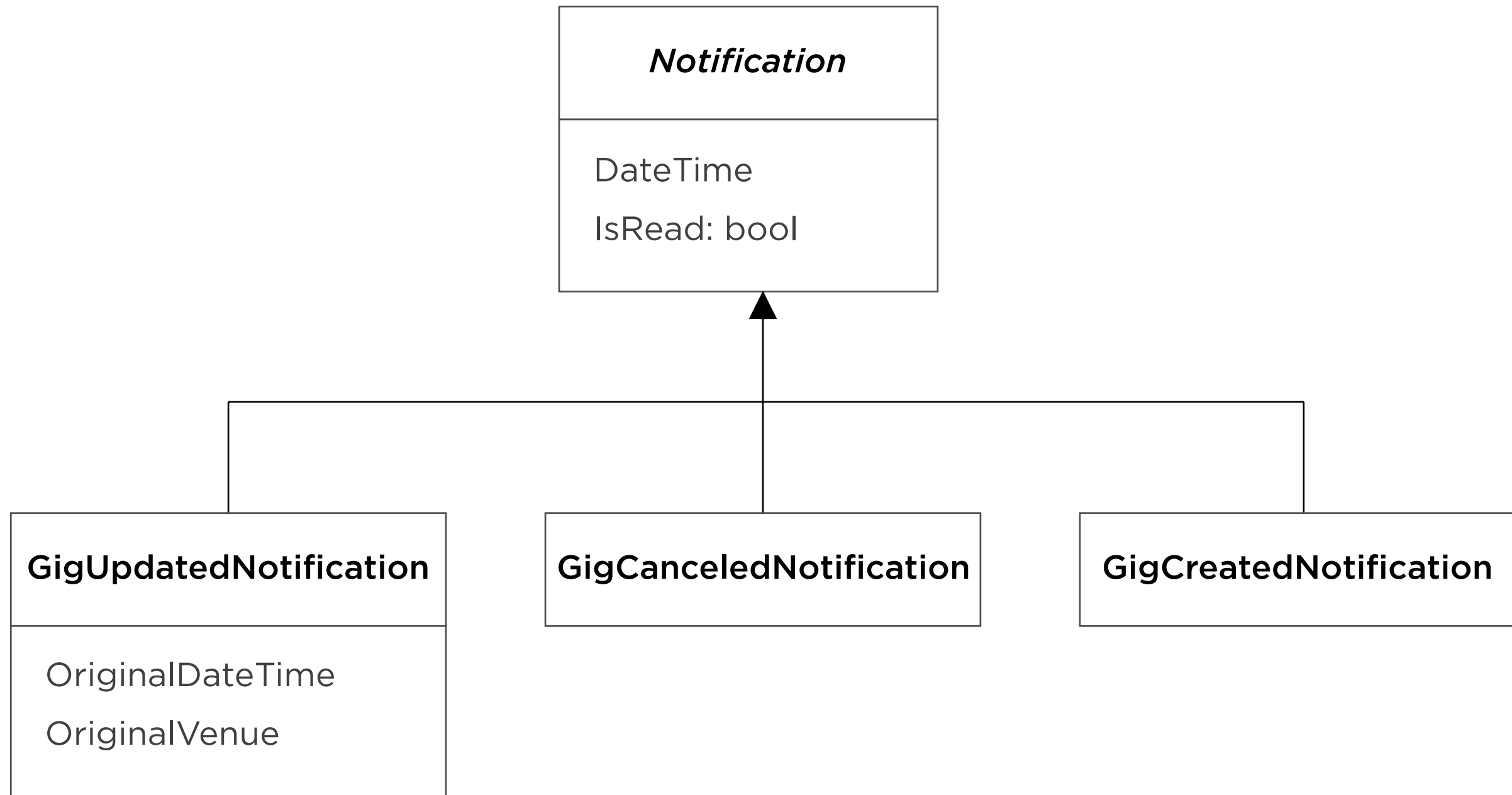**James Morrison** has cancelled the gig at Paris Cat on 21 Nov at 6pm.

Bill Evans has changed the date of the gig at Paris Cat from **21 Nov/6pm** to **22 Nov/8pm.**

John Mayer is performing at Rod Laver Arena on **23 Nov/6pm.**

A Simple Domain Model

Notification
DateTime
Message: string
IsRead: bool

* — 1 | Gig |

* — 1 | User |

Using Inheritance

Notification *(italic)*

- DateTime
- IsRead: bool

GigUpdatedNotification
- OriginalDateTime
- OriginalVenue

GigCanceledNotification

GigCreatedNotification

When to Use Inheritance

Re-using behaviour

Polymorphism

Don't Misuse Inheritance

http://bit.ly/oop-inheritance

Without Inheritance

Notification

DateTime

IsRead: bool

OriginalDateTime

OriginalVenue

<<enum>>

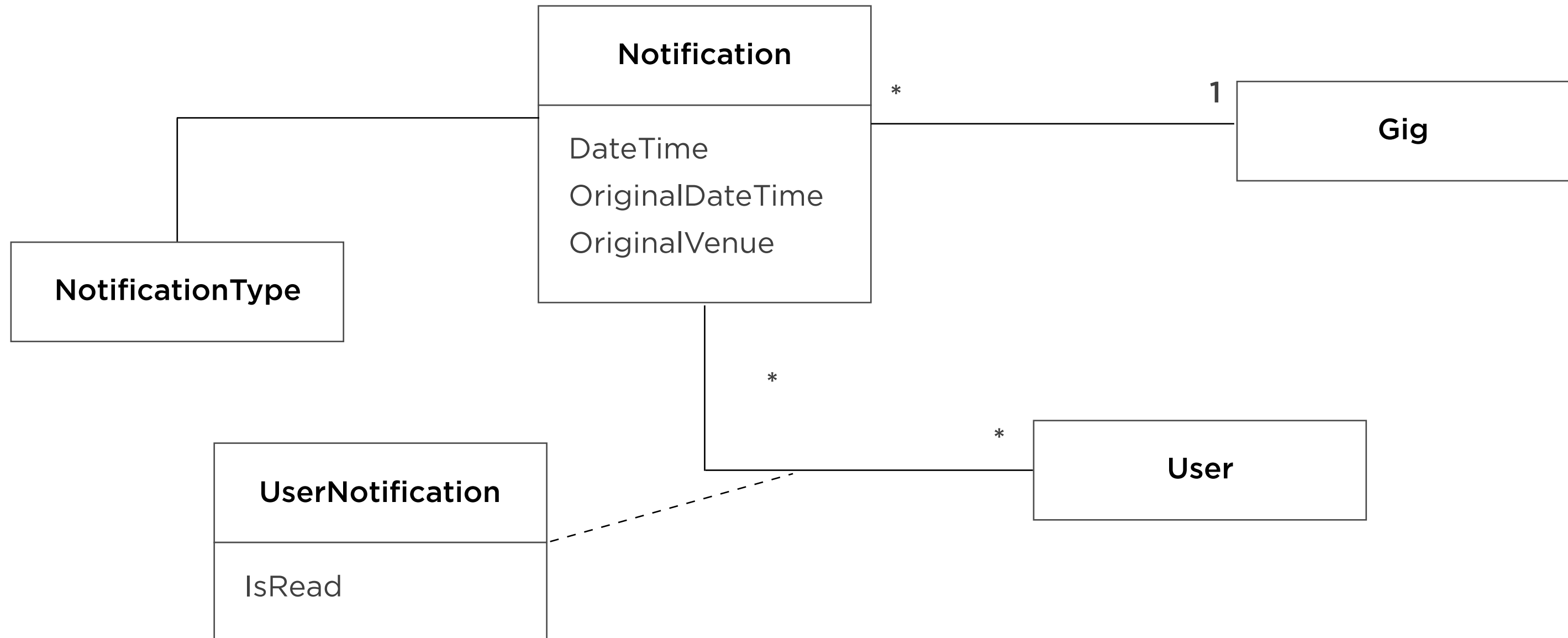**NotificationType**

GigUpdated

GigCanceled

GigCreated
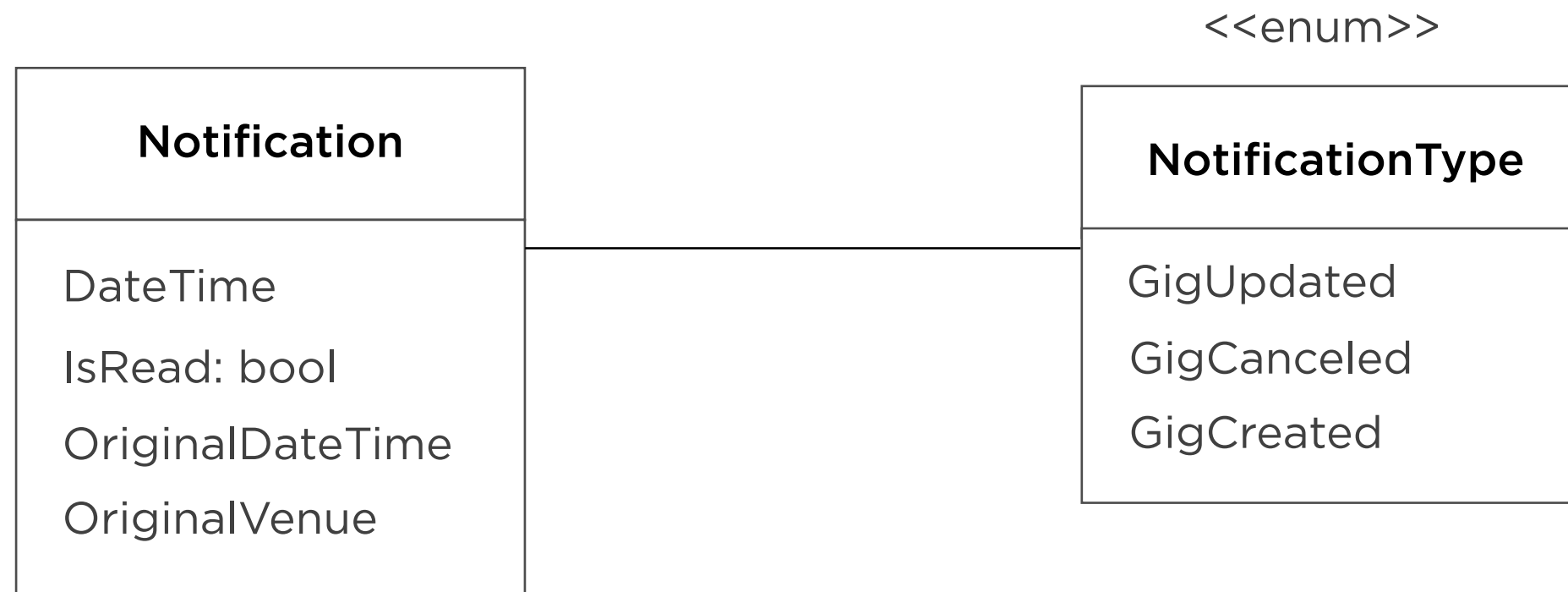
Solve **today's** problems in an **outstanding** way.

Domain Model

Summary

UML diagrams

- "Temporary" communication tool

Inheritance

- http://bit.ly/oop-inheritance

- Use it as a means to implement polymorphism