

DANIEL TULL

# MODELLING YOUR DATA



Issues

# HISTORY

Bug tracking app

Simple

Universal – think Mail for bug trackers

Goal was not to have to learn client's systems

# HISTORY

"OLD ISSUES"

Supported GitHub issue tracker

Plan was to support more



Old Issues

# HISTORY

(NEW) ISSUES 1.0

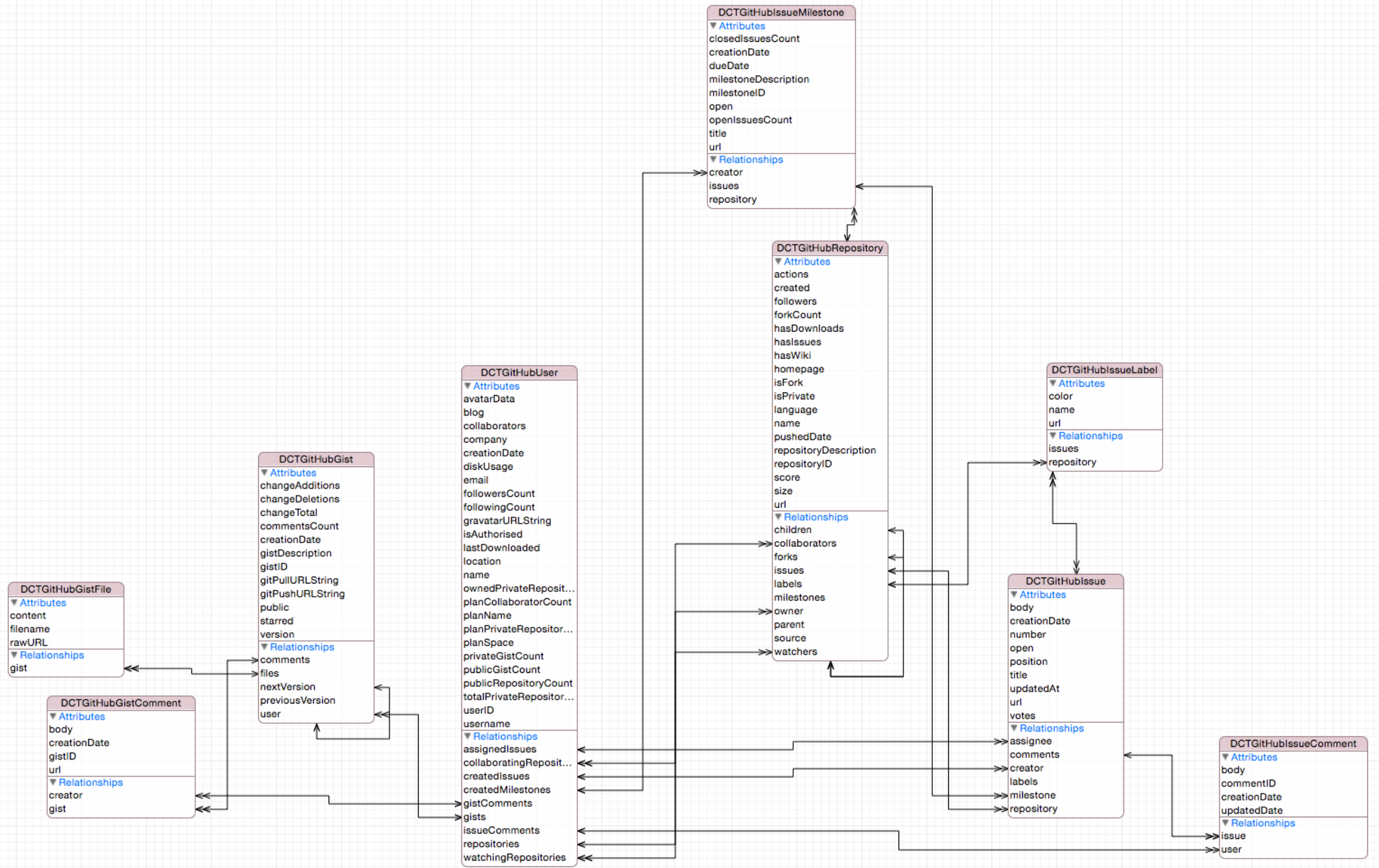
Supports GitHub & Bitbucket  
issue trackers

Plan is to support more



Issues

MODEL ONE



# Milestone

# Repository

# Label

# User

# Issue

# Comment





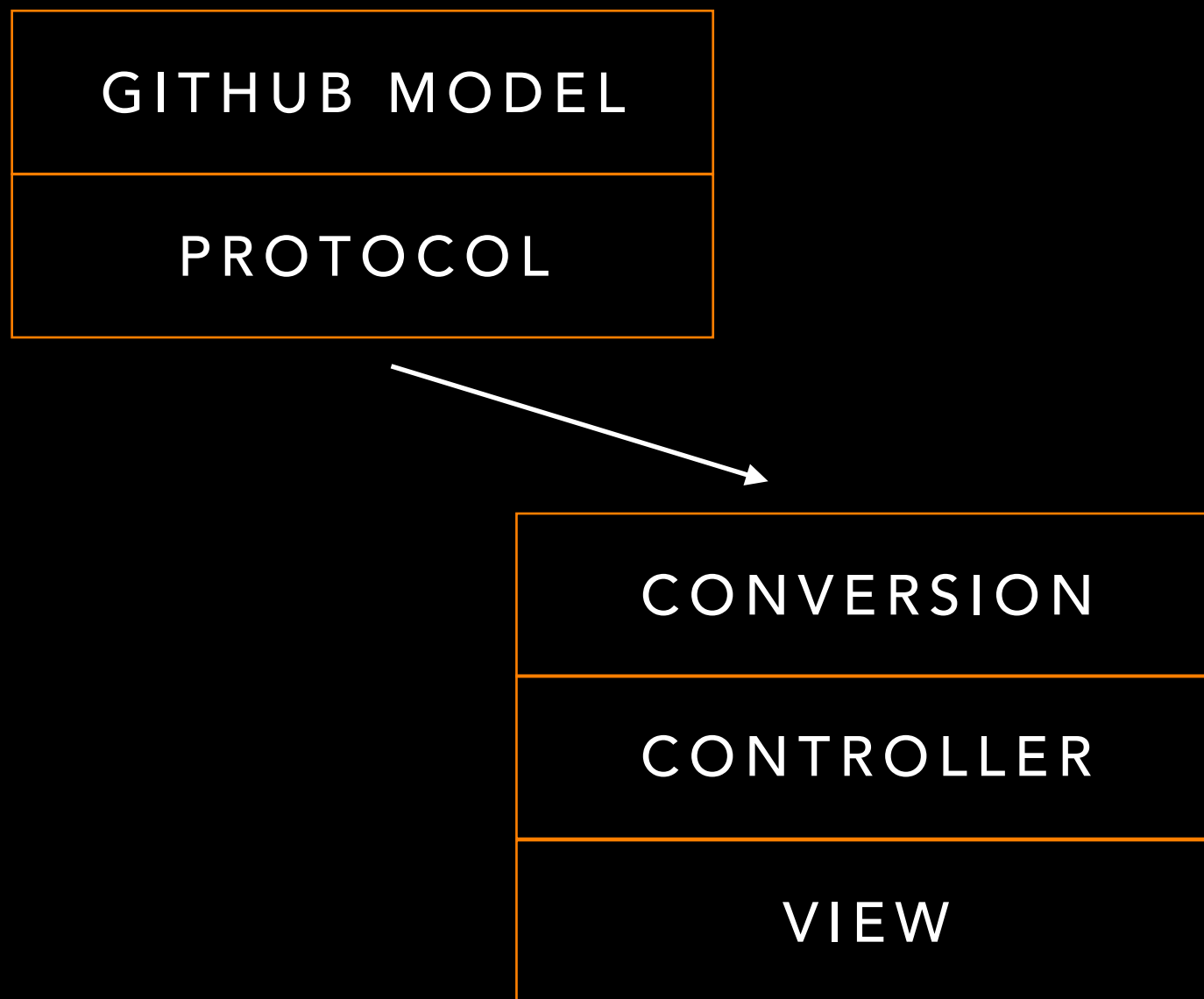
# MODEL ONE

GitHub only

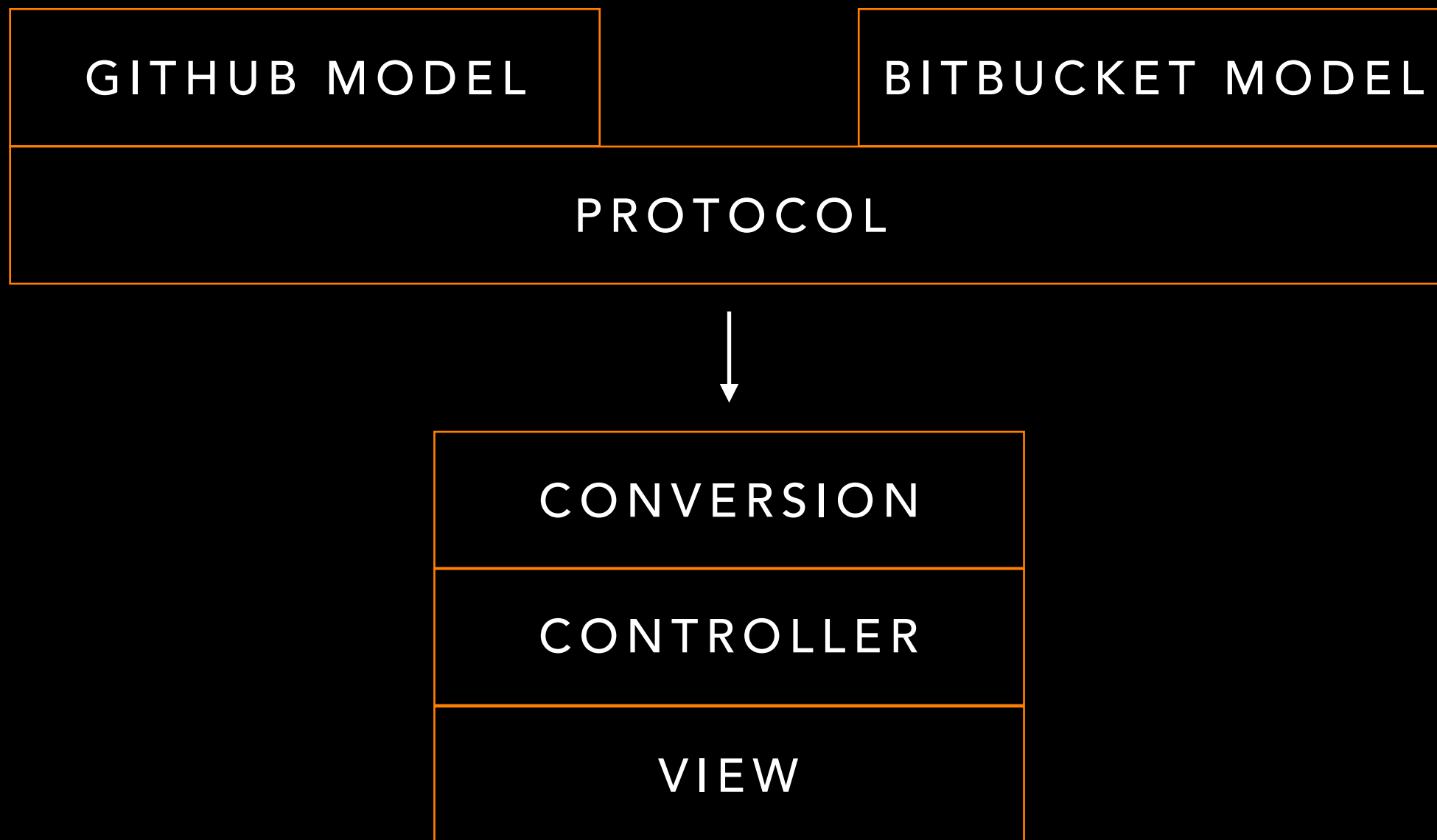
Having another model for other services

The UI accesses the model via a protocol

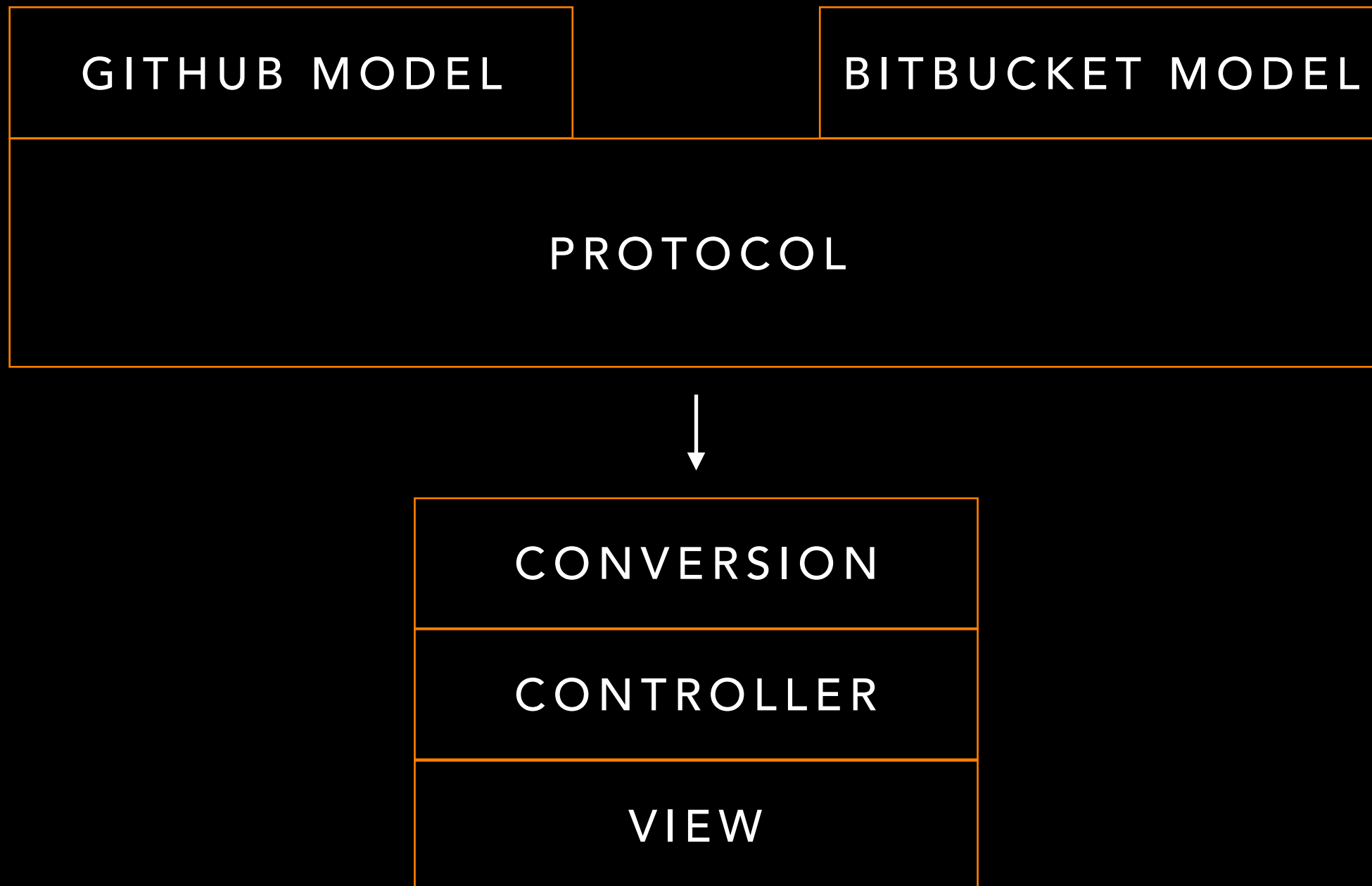
# COMPLETE SERVER MODEL



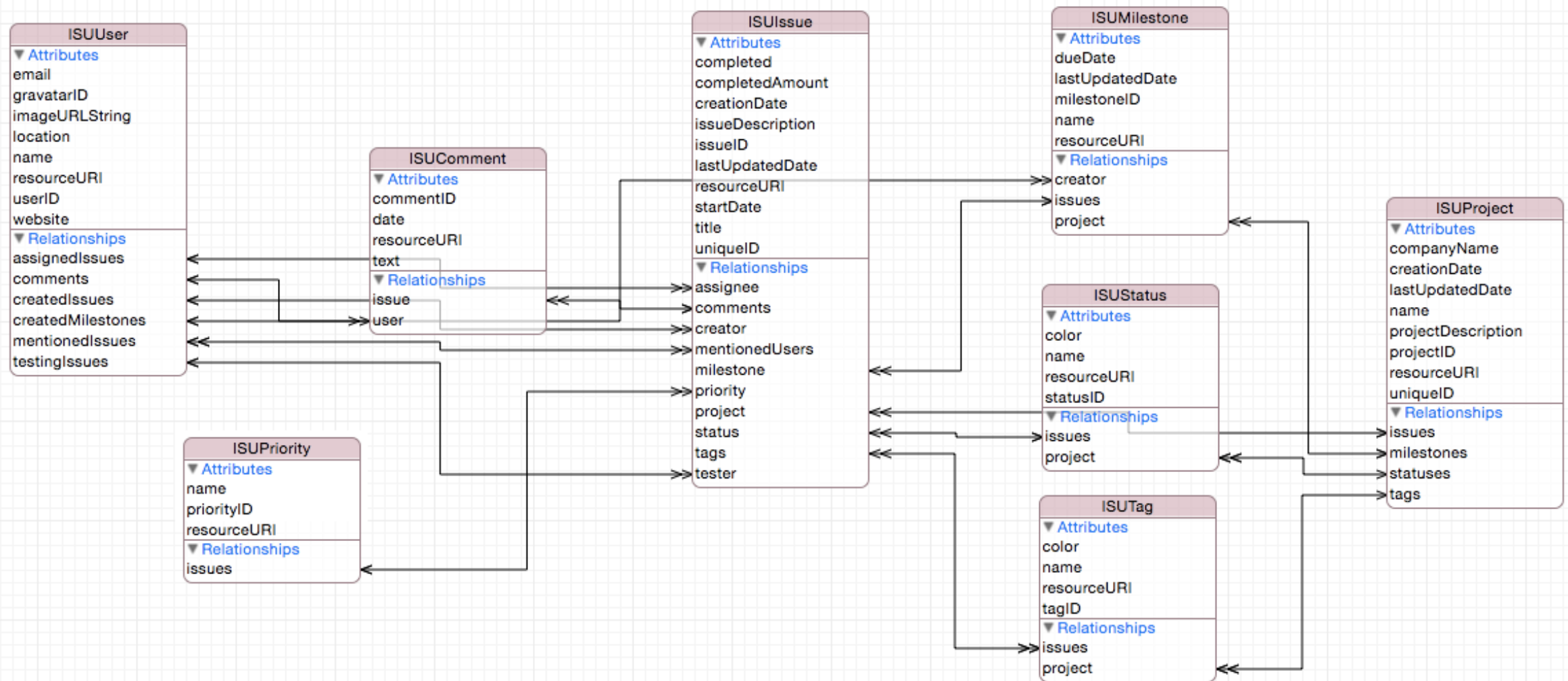
# COMPLETE SERVER MODEL

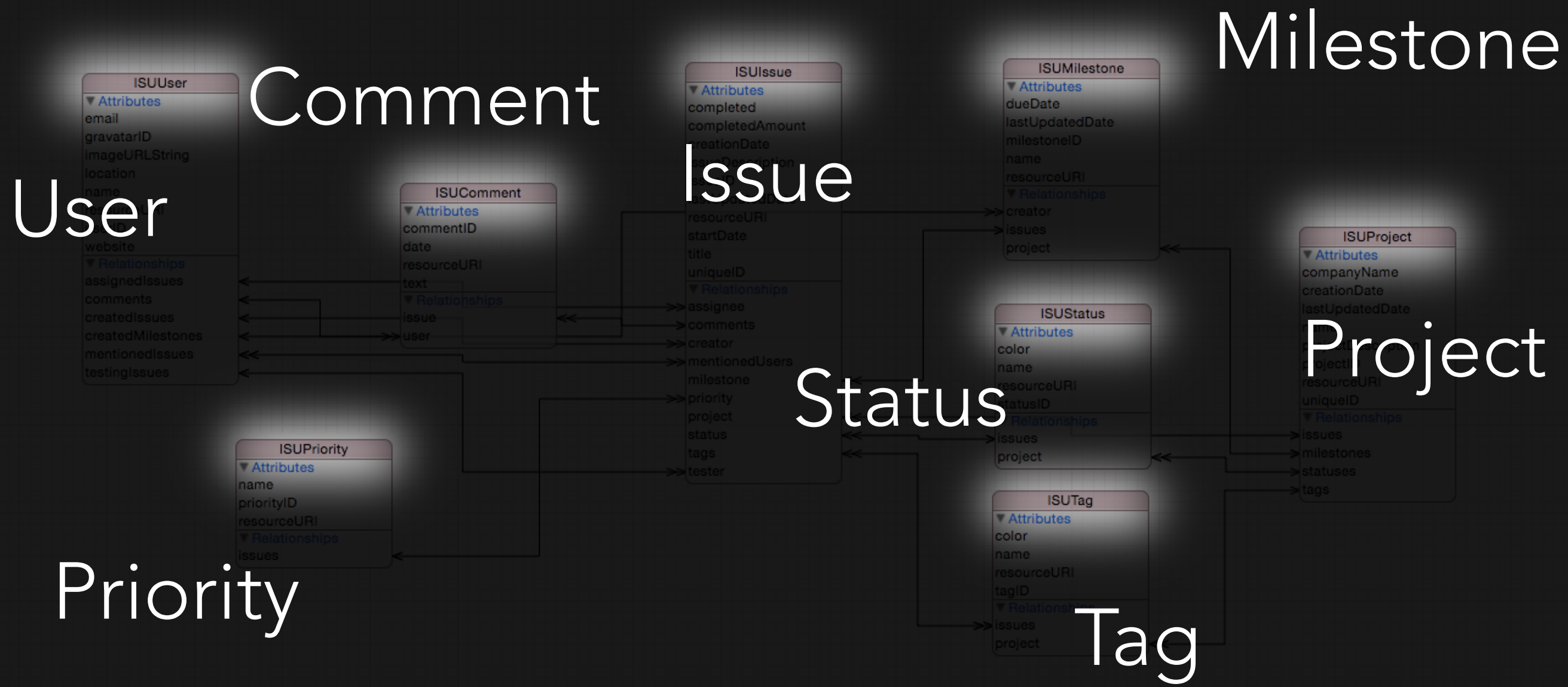


# COMPLETE SERVER MODEL



MODEL TWO





# MODEL TWO

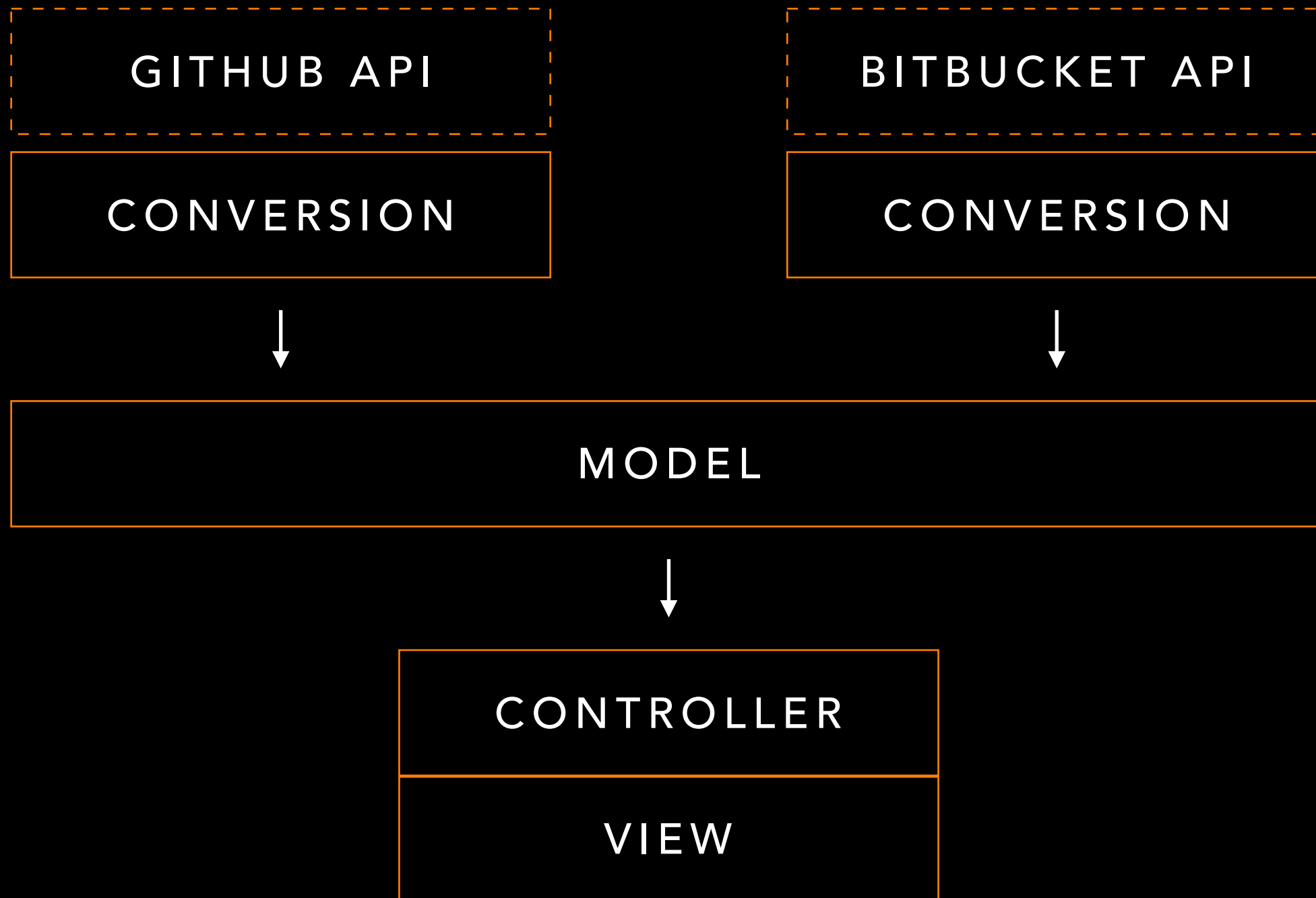
Multiple services

Required parsers for each service

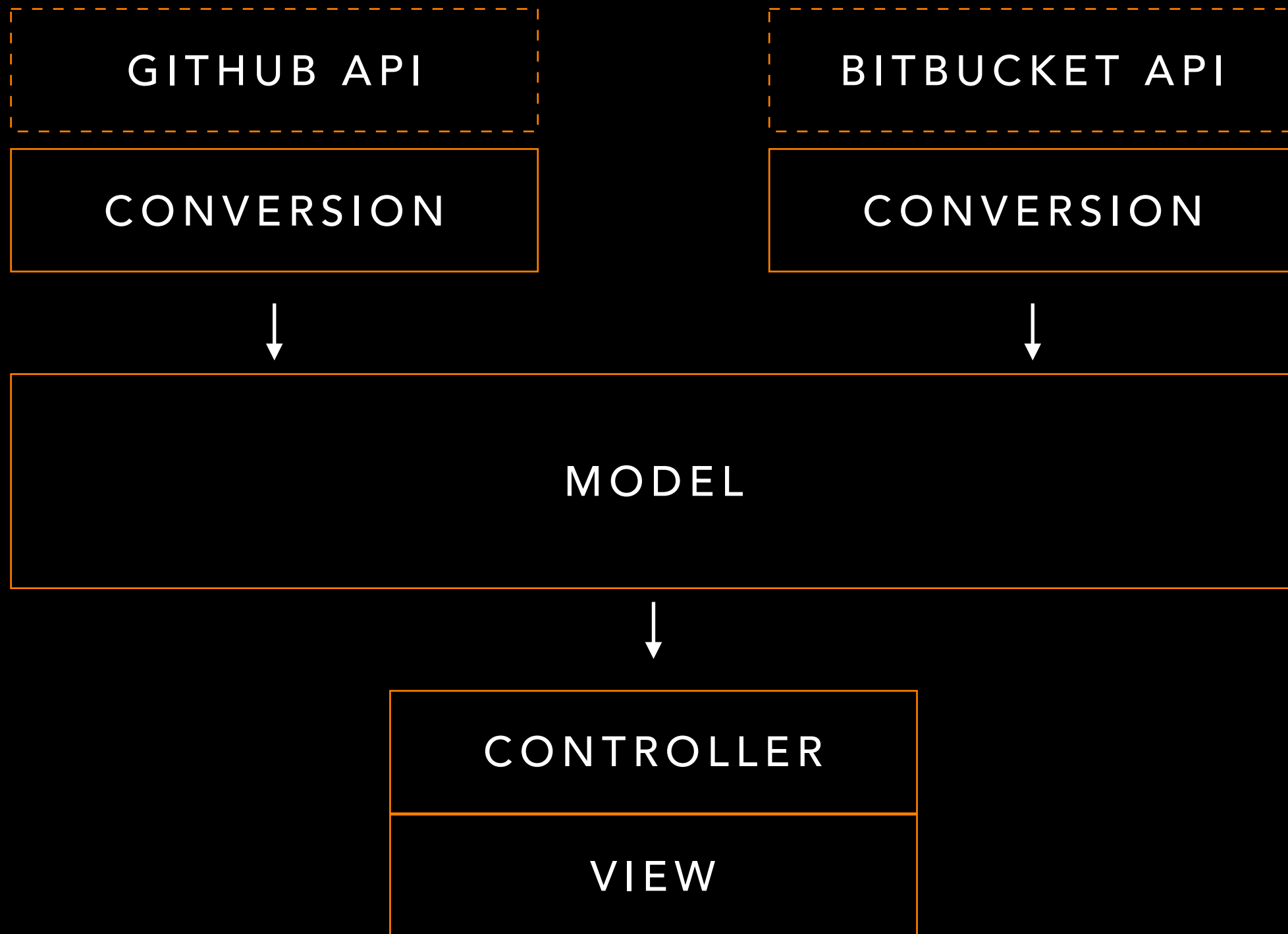
UI accesses the model directly with checks for feature availability



# UI-SPECIFIC MODEL

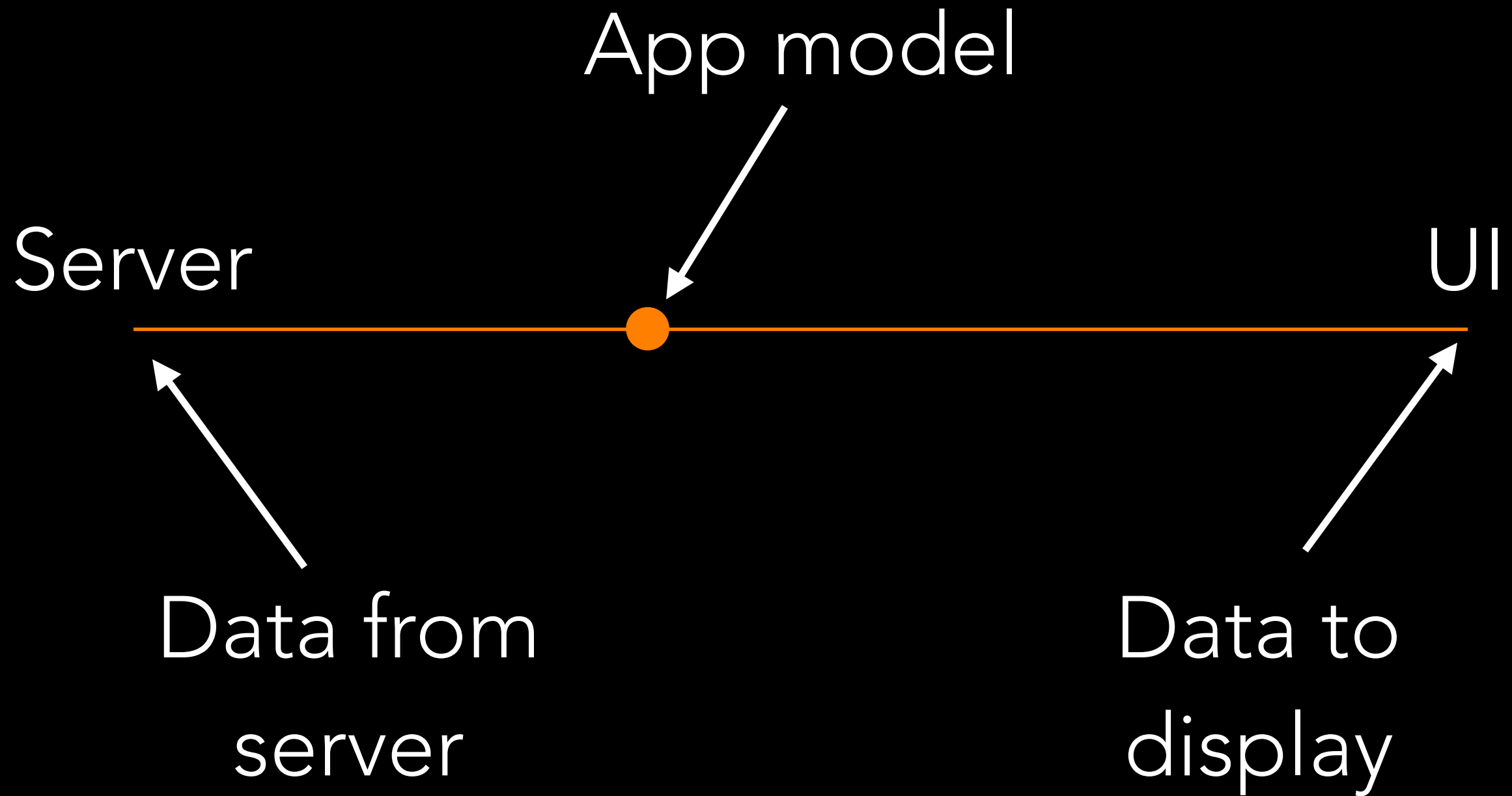


# UI-SPECIFIC MODEL



COMPLEXITIES

# COMPLEXITIES



# COMPLETE SERVER MODEL

Server

UI



Conversion at display-time

# UI-SPECIFIC MODEL

Server

UI



Conversion at parse-time

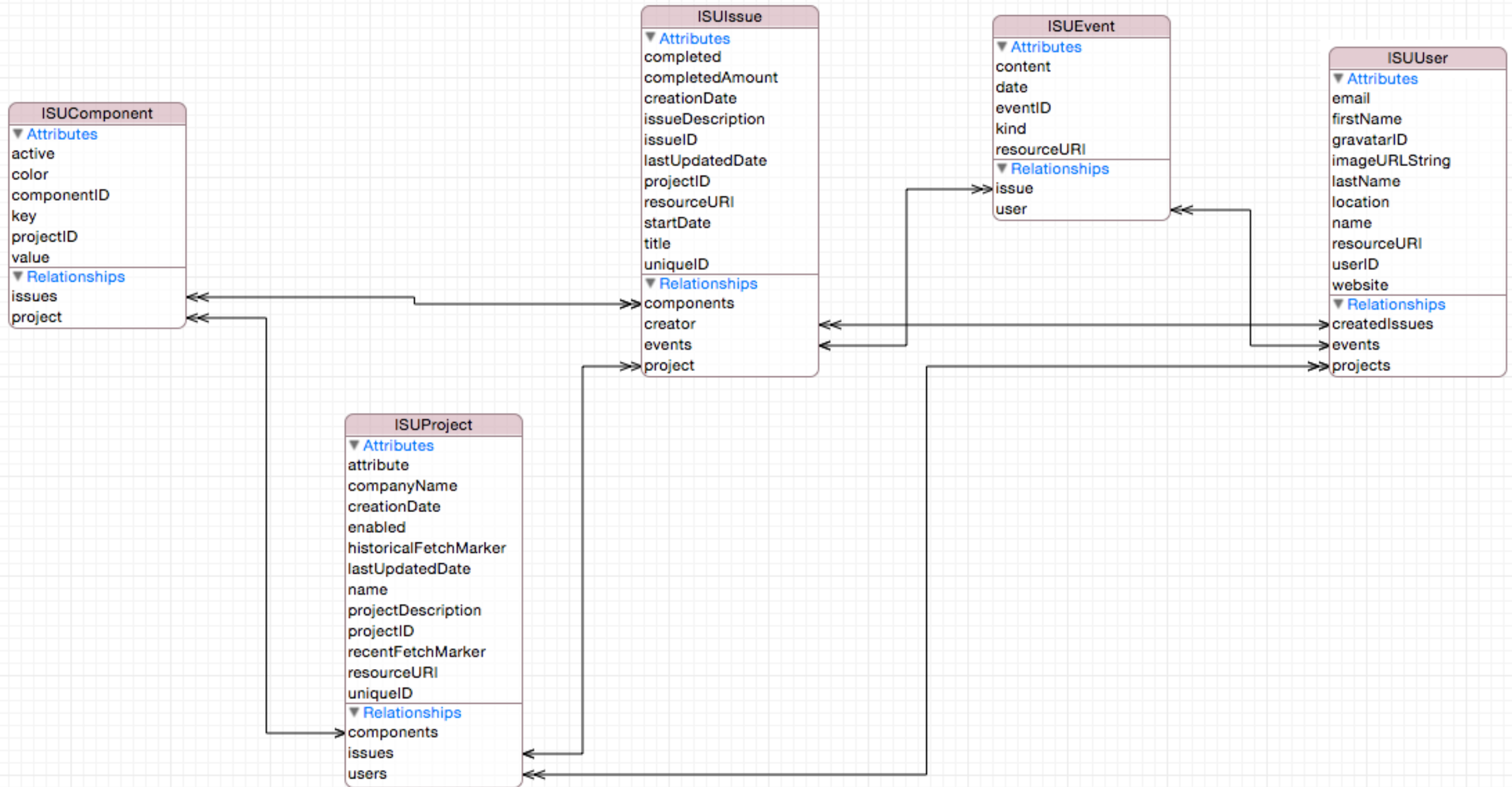
BEST CASE

Server/UI

A solid orange circle is positioned directly below the text "Server/UI".

MODEL THREE

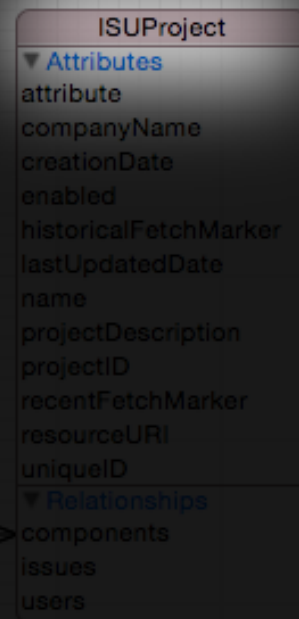
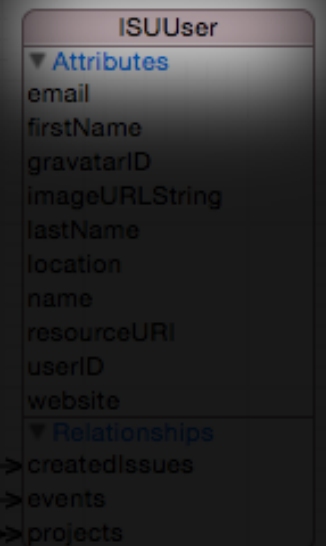
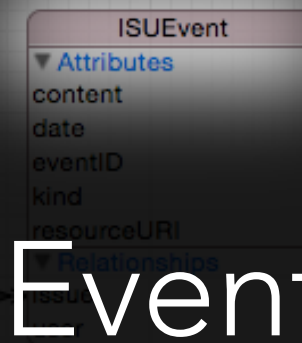
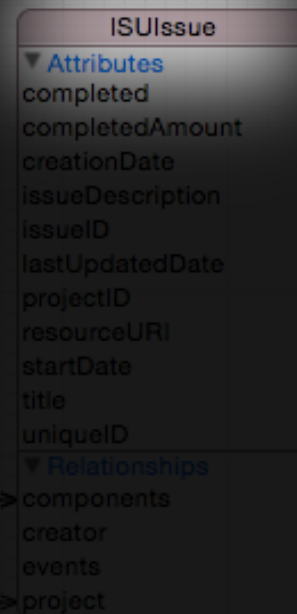
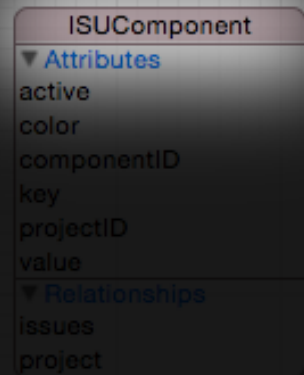




# Component

# Issue

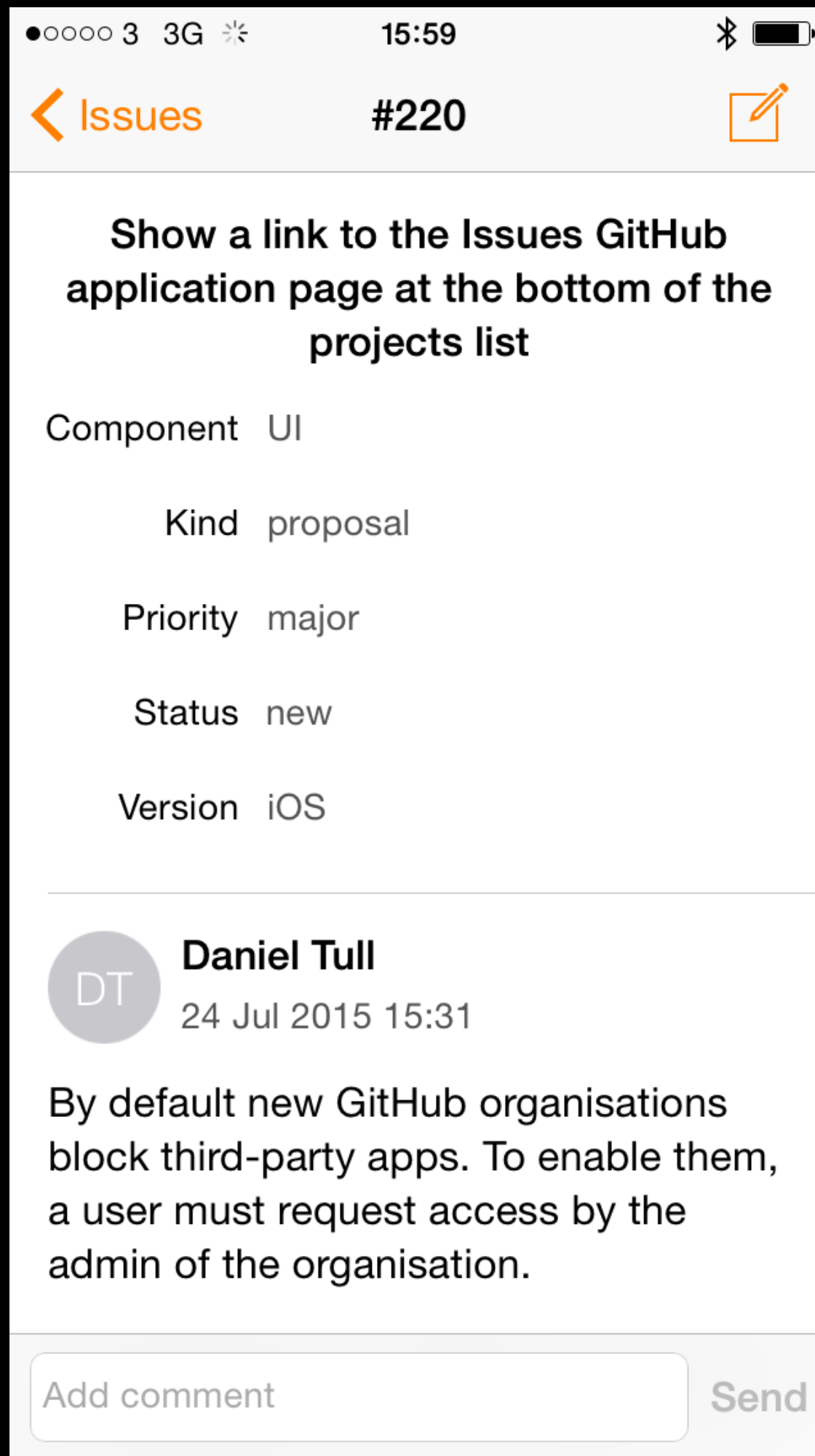
# User



# Project

# Event

# Components



# Events

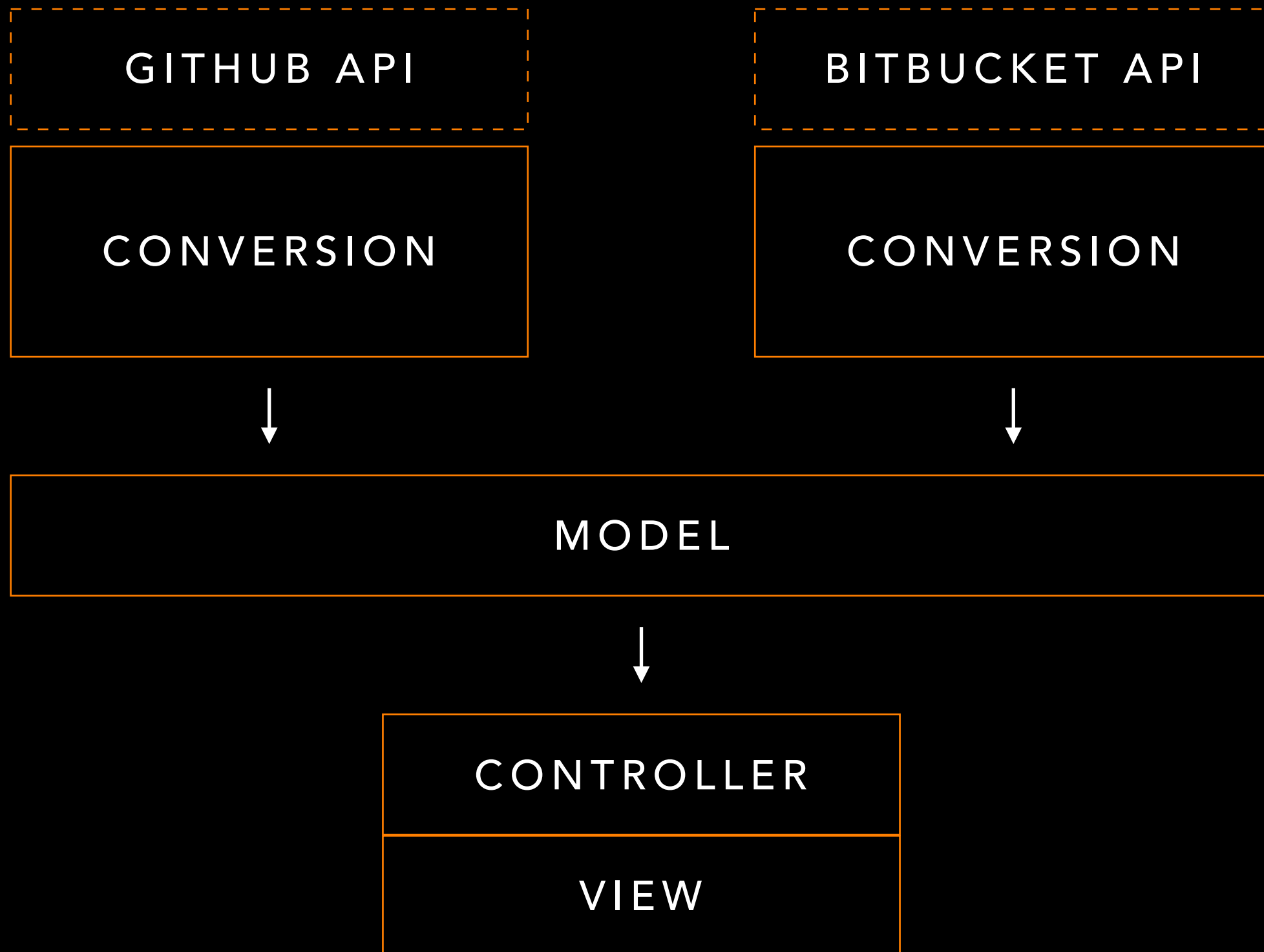
# MODEL THREE

Multiple services

Required more heavyweight parsers for each service

UI accesses the model directly

# GENERIC MODEL



COMPARISON

	COMPLETE SERVER MODEL	UI-SPECIFIC MODEL	GENERIC MODEL
PARSING	EASY	HARD	COMPLEX
DISPLAY	HEAVY	FEATURE CHECKING	LIGHT
DEBUGGING	EASY	EASY	HARD

# COMPLETE SERVER MODEL

Use for a framework

Where you expect to replicate a website

Potentially anything could happen in the UI and you need to do *something* for fear of a delayed project



# UI-SPECIFIC MODEL

Apps with good specification

Use to create more efficient display-time apps

# GENERIC MODEL

Multiple services for single kinds of data

General purpose UI

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