# Open Source Frameworks (OSF) Designing Your RESTful Gamification API

Open Source Frameworks (OSF)
Master of Science in Engineering (MSE)
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# Planning

Date	Java EE Frameworks	Gamification Project
23.09.13	Intro, Java EE Overview, EJBs	Environment setup 1
30.09.13	REST APIs & JAX-RS	Environment setup 2 (automation)
07.10.13	Design and document a REST API for your gamification engine	
14.10.13	Persistence with JPA	Test and implement your REST API
21.10.13	Break	
28.10.13	Test and implement your REST API	
04.11.13	Spring Framework	Presentations & demos
11.11.13	Technical POC Project: Define the scope & plan the activities	
18.11.13	Technical POC Project: Build the reference system	
25.11.13	Technical POC Project: Build the test infrastructure	
02.12.13	Technical POC Project: Present the results (with a demo)	
09.12.13	Introduction to Javascript frameworks	Get ready with node.js & express
16.12.13	Re-implement your REST API in Javascript	
23.12.13	Break	
30.12.13		
06.01.14	Re-implement your REST API in Javascript	
13.01.14	Java Message Service	Presentations & demos



### Agenda

Introduction

11h10 - 11h25

**Group work** 

11h25 - 13h00

**Presentations** 

13h00 - 13h20

**Next steps** 

13h20 - 13h35



#### What is Gamification?

"Gamification is the use of game-thinking and game mechanics in a non-game context in order to engage users and solve problems."

Gamification is used in applications and processes to improve user engagement, ROI, data quality, timeliness, and learning."



#### Examples



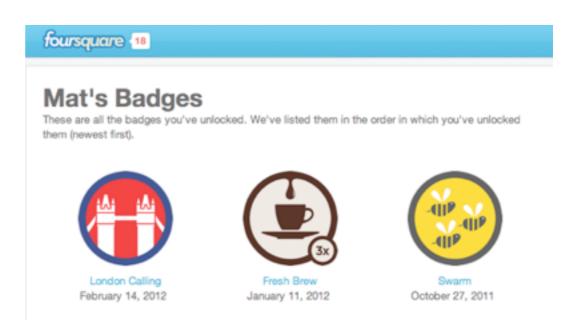
#### 433 Reputation

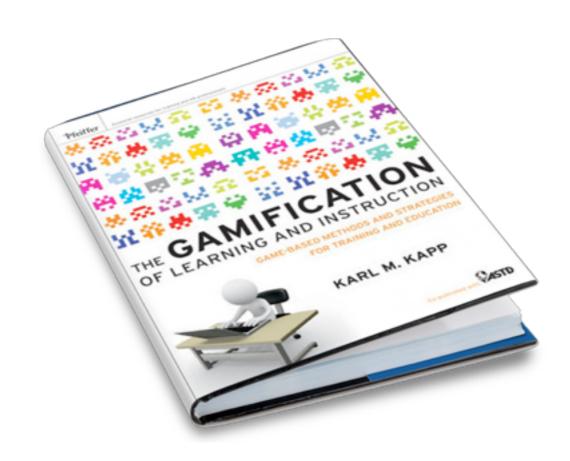
top 44% this month

- +25 Chat application using jms spring and activemq queue
- +5 Is there a way to integrate the S3's ACL with my own user reposit...
- -2 What is dependency injection?
- +5 What version of ember.js should I use for my project?

view more



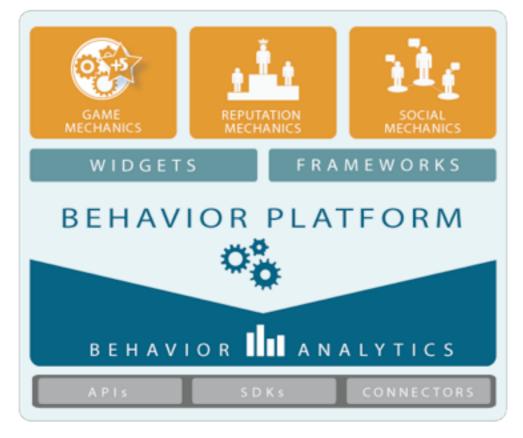




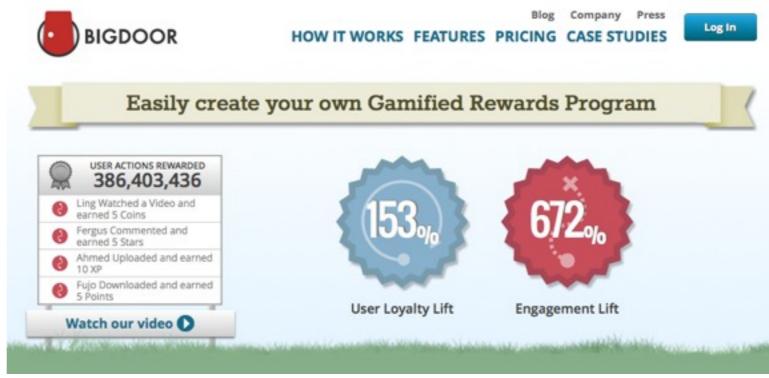


#### Gamification Platforms



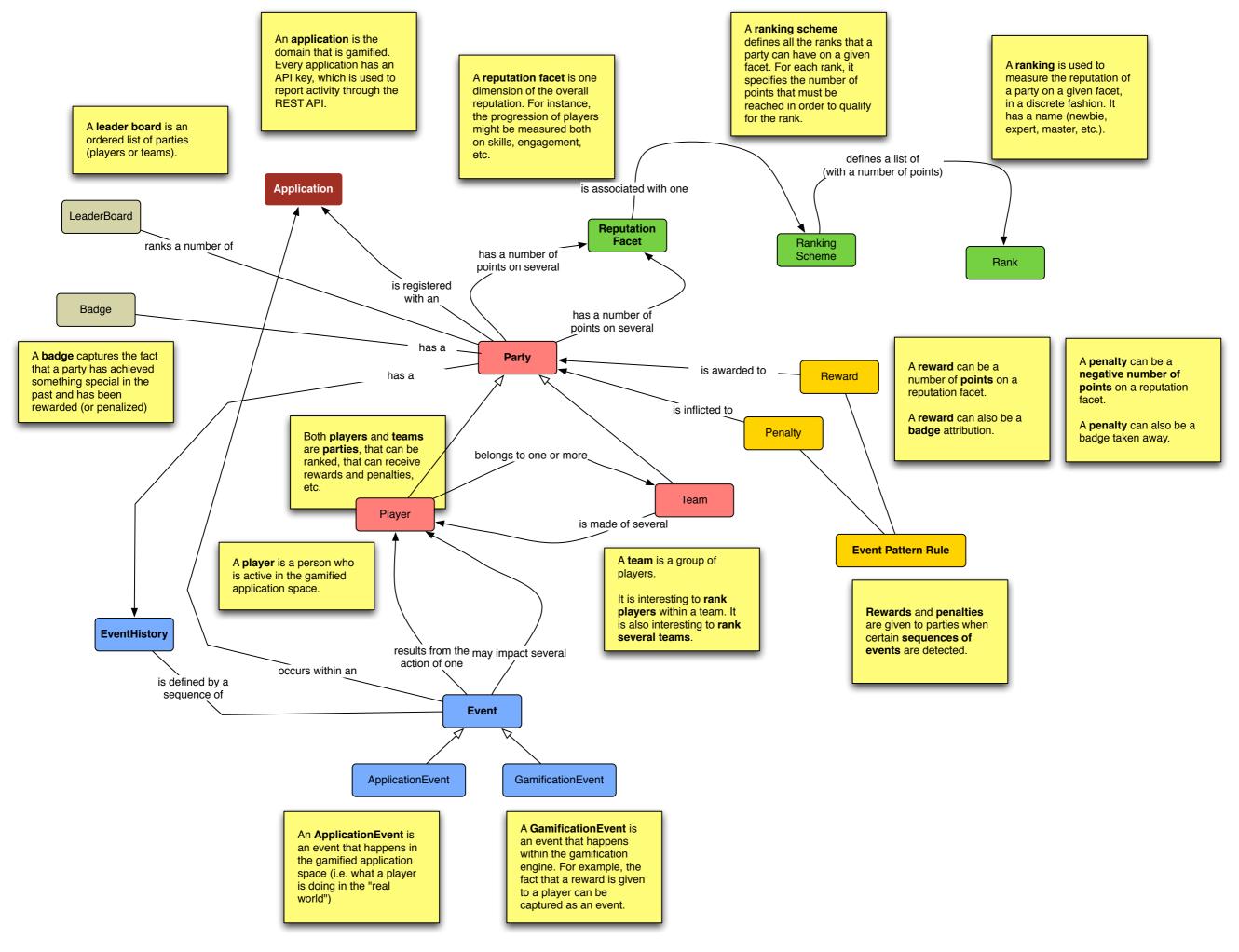




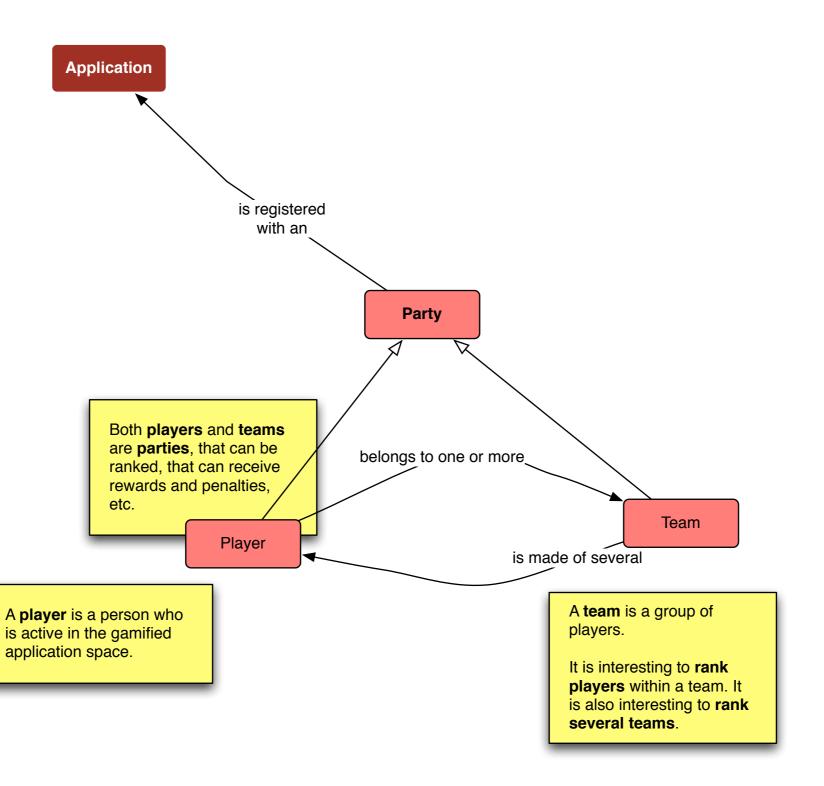


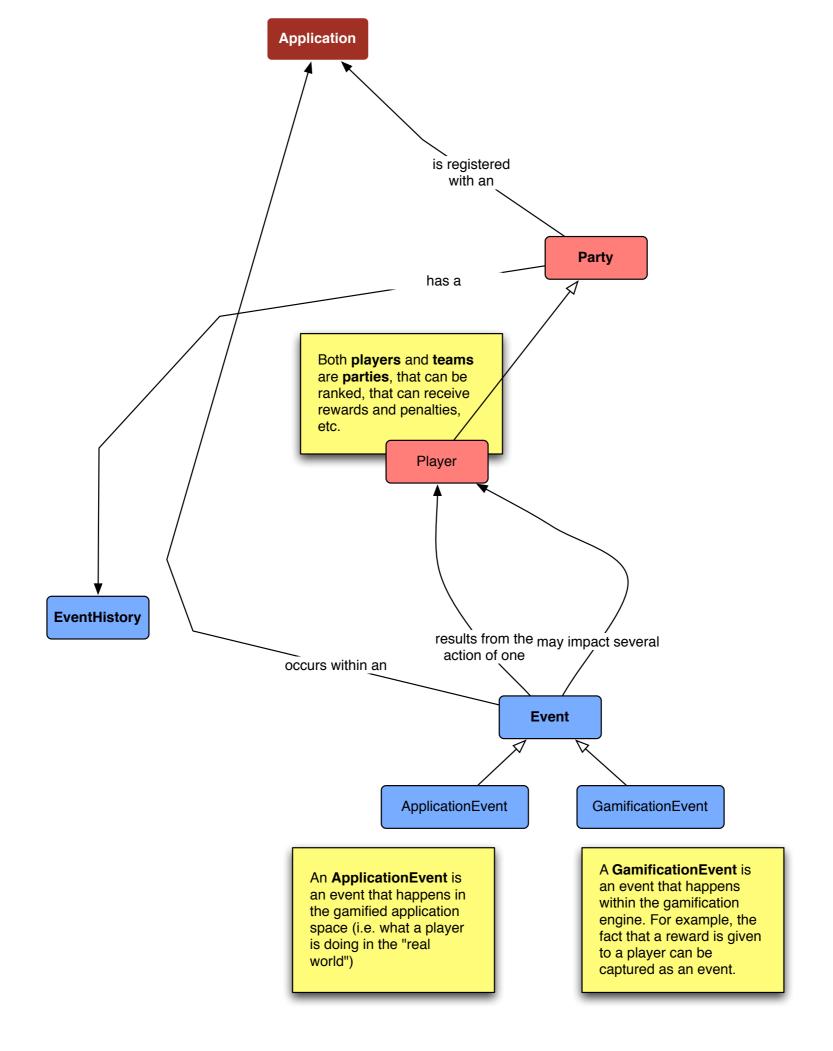
# Group Work

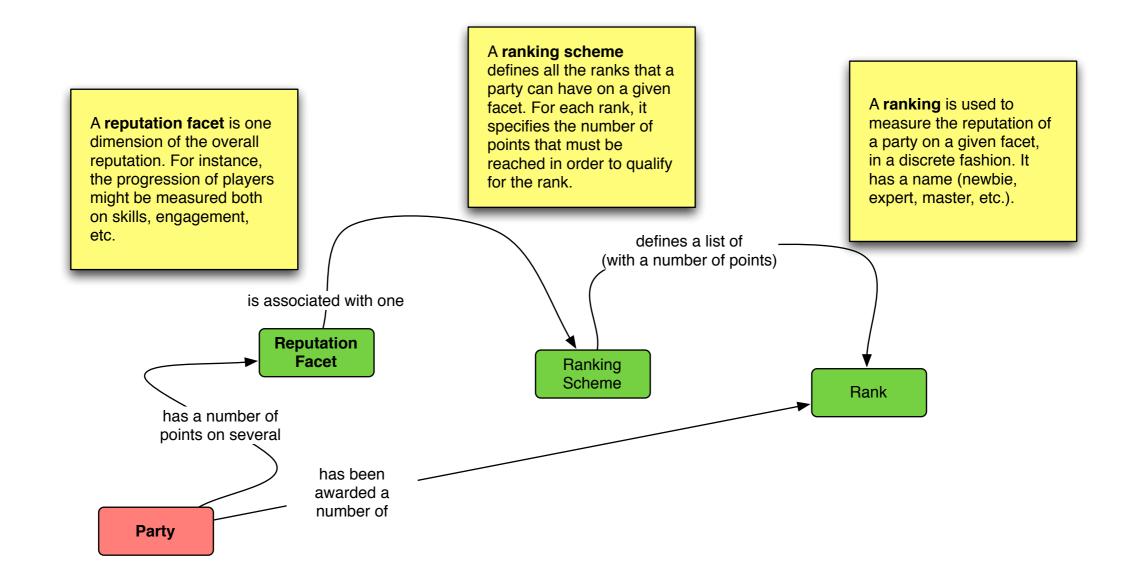
Gamification Domain Model (work-in-progress)

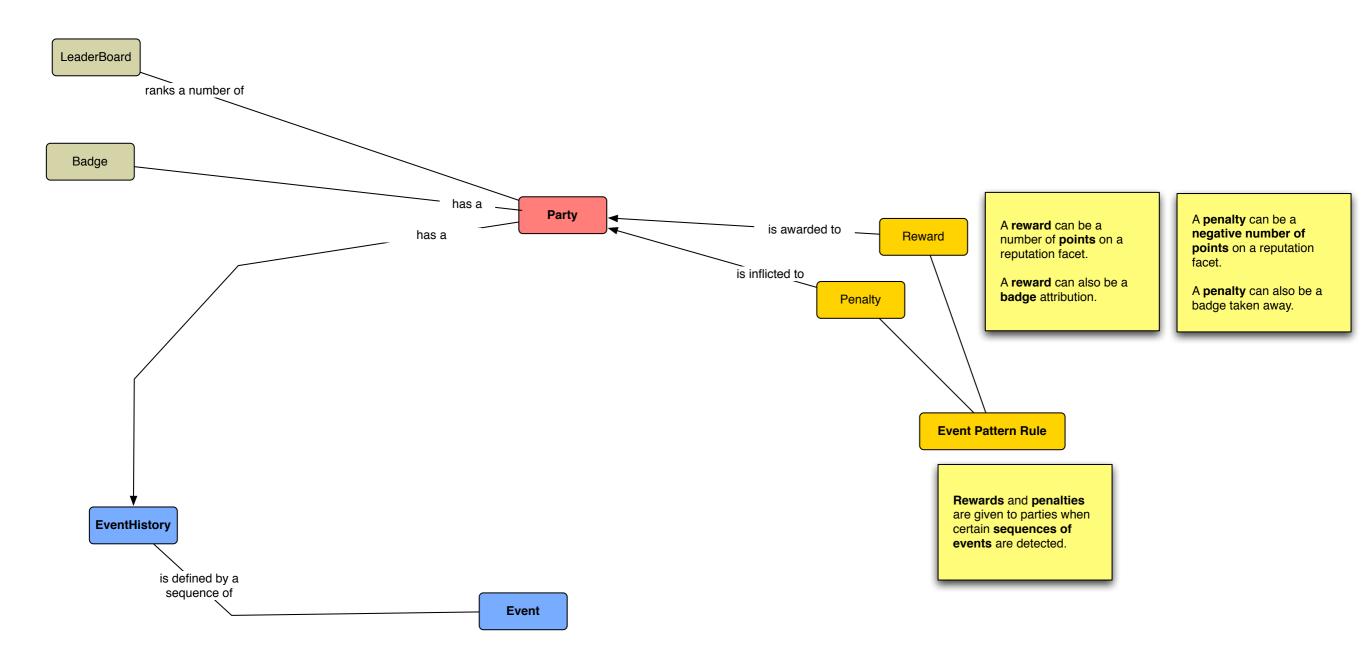


An **application** is the domain that is gamified. Every application has an API key, which is used to report activity through the REST API.

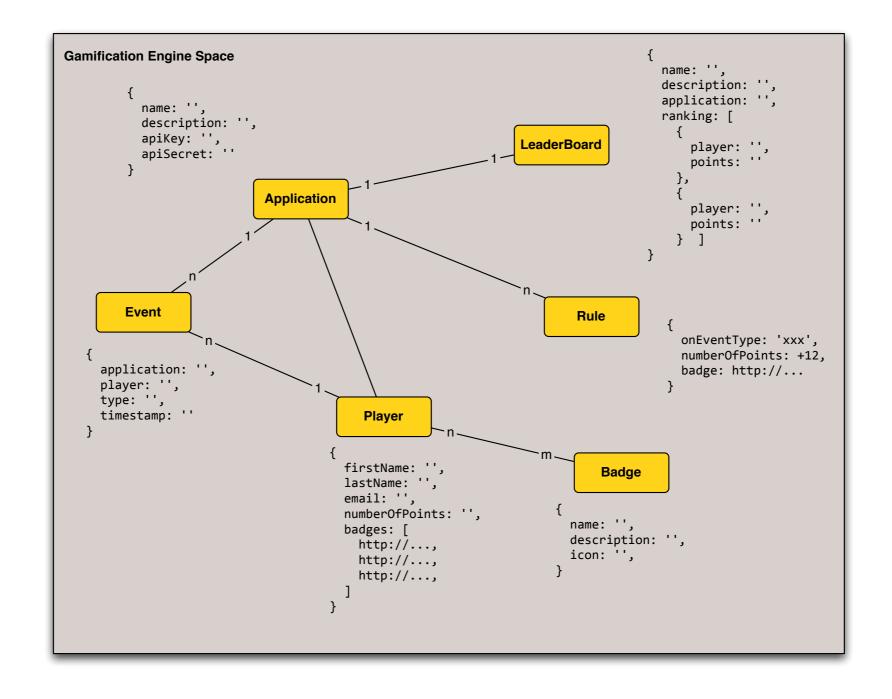


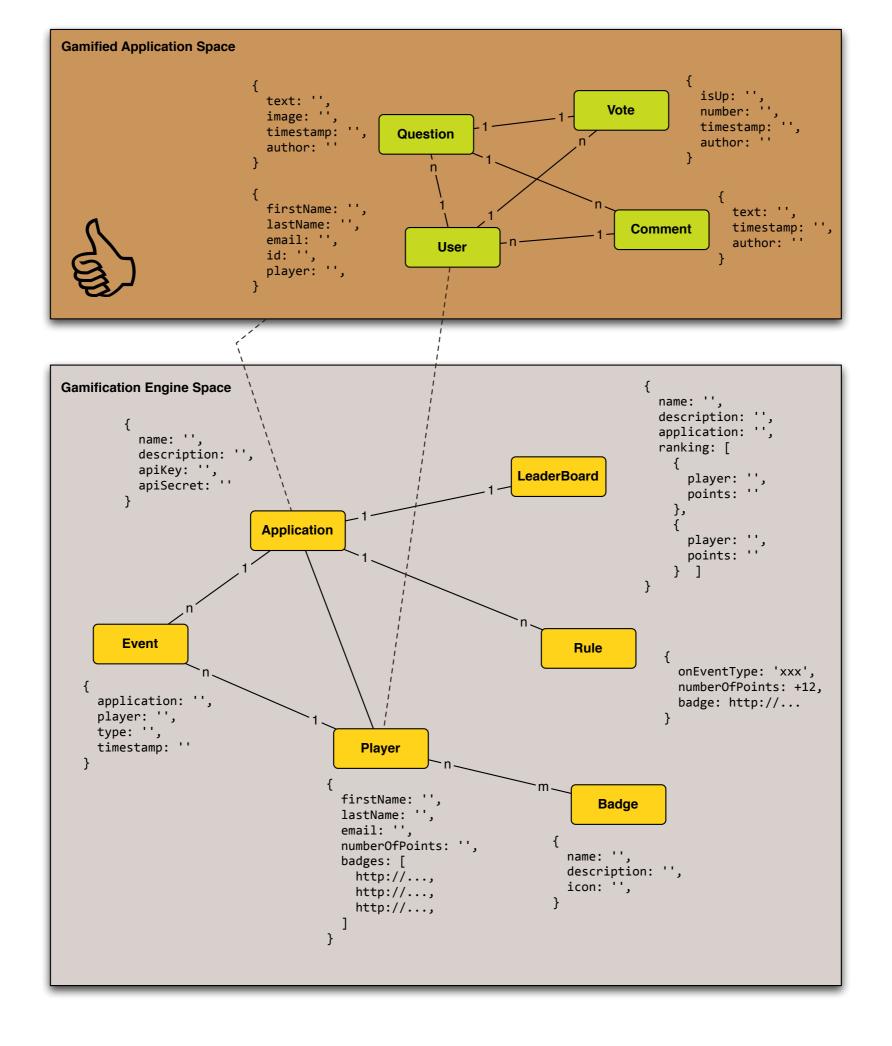


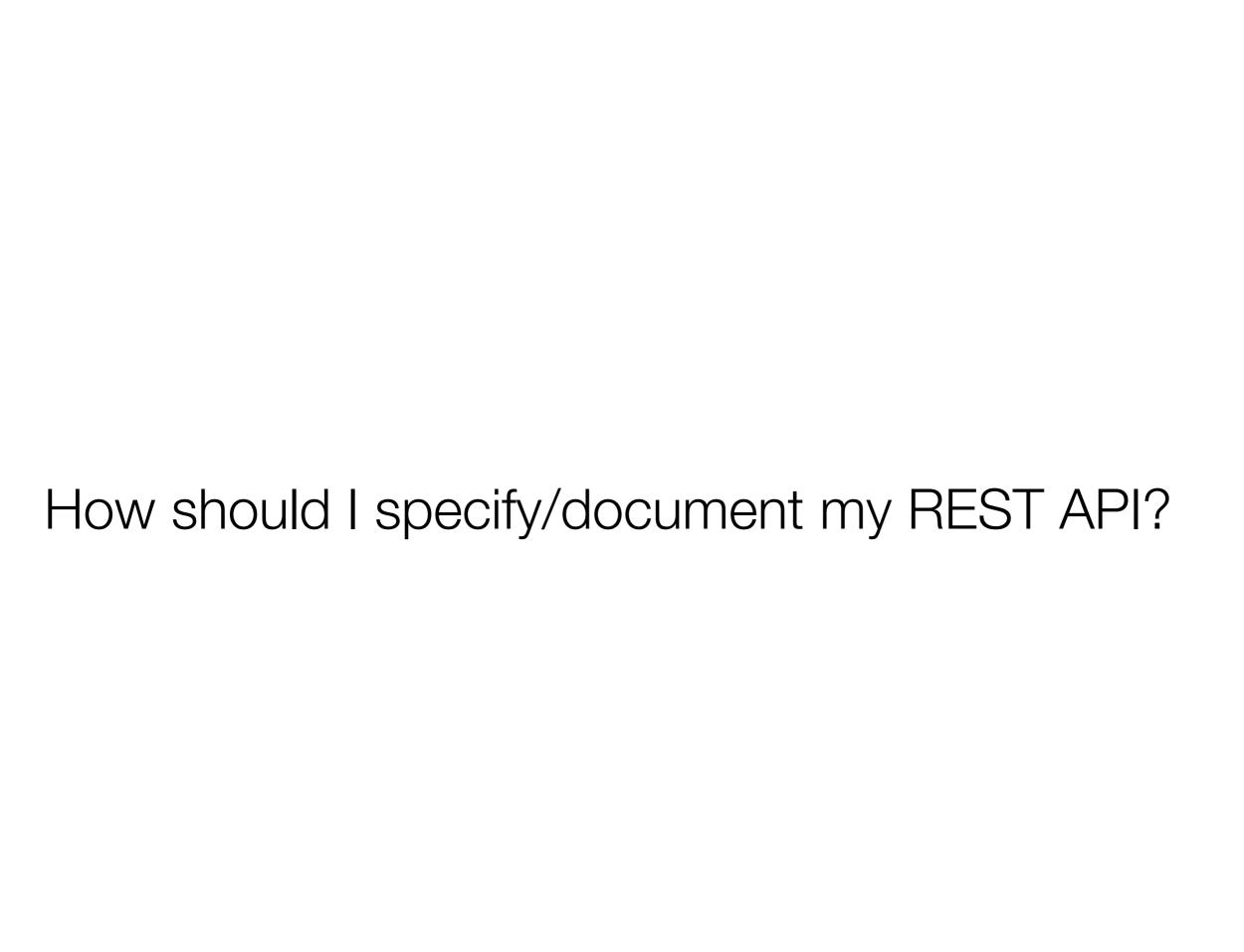




Gamification Domain Model (simple version)

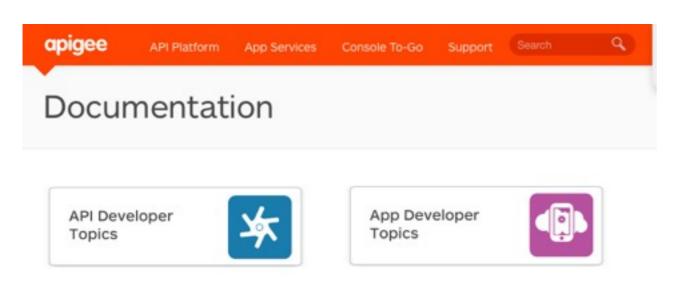






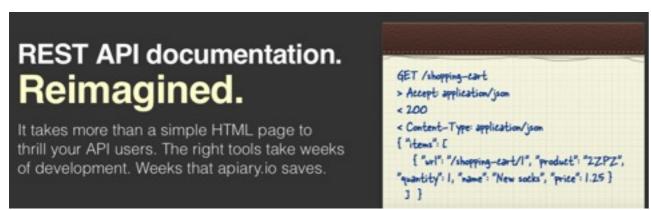


#### Some Tools that Might Help/Inspire You



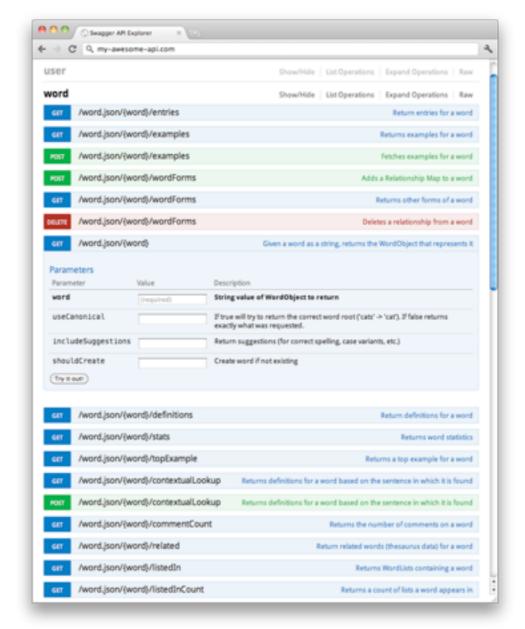
http://apigee.com/docs/





http://apiary.io/





https://developers.helloreverb.com/swagger/