Django Apps to Services
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Django

Project

App

A collection of configuration and apps for a particular Website.

(per Django Project)
**Django Project**

A collection of configuration and apps for a particular Website.

**Django App**

A web application that does something. I.e. Weblog, Poll, Ticket system

(per Django Project)
Within Django
Within Django

Project
Within Django

Project

App
Within Django

Project

App

App

App
Within Django

- Project
  - Tickets
  - FAQ
  - FaqCreator
REUSABILITY means faster features due to DRY (Don’t Repeat Yourself)

REUSABILITY does not always mean SCALABILITY or MAINTAINABILITY
Project

A collection of configuration and apps for a particular Website.

App

A web application that does something. I.e. Weblog, Poll, Ticket system

(per Django Project)
**Django**

**Project**
A collection of configuration and apps for a particular Website.

**App**
A web application that does something. I.e. Weblog, Poll, Ticket system

**Service**
Method of communication over the web. Web APIs allow combination of multiple services
Teams Grow

- Support
- Knowledge Base
- Billing
Teams Grow

- Support
- Knowledge Base
- Billing
- Marketing
Teams Grow

- Support
- Knowledge Base
- Billing
- Marketing
- Analytics
- Mobile
- API
- Front End
- Social
Apps Grow

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Friday, April 13, 12
Apps Grow

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Service

Defined contract for communicating
Service

Defined contract for communicating

$ curl -O $FAQ_API/create/ -X "question=my\question source=123"
In Python

data = {
    'question': "my question",
    'source': 123
}
requests.POST(os.environ['FAQ_API'] + '/create/', data=data)
Version Bump

data = {
    'question': "my question",
    'source': 123,
    'related': [456, 789]
}

requests.POST(os.environ['FAQ_API'] + '/v2/create', data=data)
Version Bump

data = {
    'question': "my question",
    'source': 123,
    'related': [456, 789]
}

requests.POST(os.environ['FAQ_API'] + '/v2/create', data=data)

Friday, April 13, 12
Version Bump

data = {
    'question': "my question",
    'source': 123,
    'related': [456, 789]
}

requests.POST(os.environ['FAQ_API'] + '/v2/create', data=data)

STILL VALID

requests.POST(os.environ['FAQ_API'] + '/v1/create', data=data)
Whats a service Provider

API_HOST= http://127.0.0.1
Whats a service

Provider  API_HOST= http://127.0.0.1

Endpoint  /v1/create/
Whats a service

Provider

Endpoint

Contract

API_HOST= http://127.0.0.1
/v1/create/

{ 'question': 'foo bar', 'source': 123 }
App

Service
A SERVICE means REUSABILITY and enables SCALABILITY and MAINTAINABILITY