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.

App

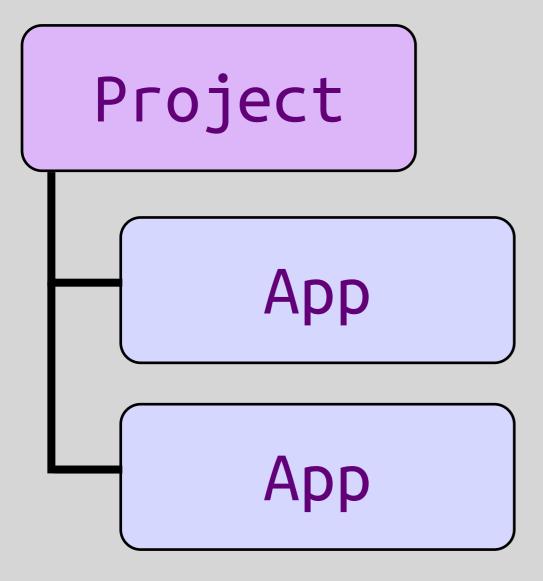
A web application that does something. I.e. Weblog, Poll, Ticket system

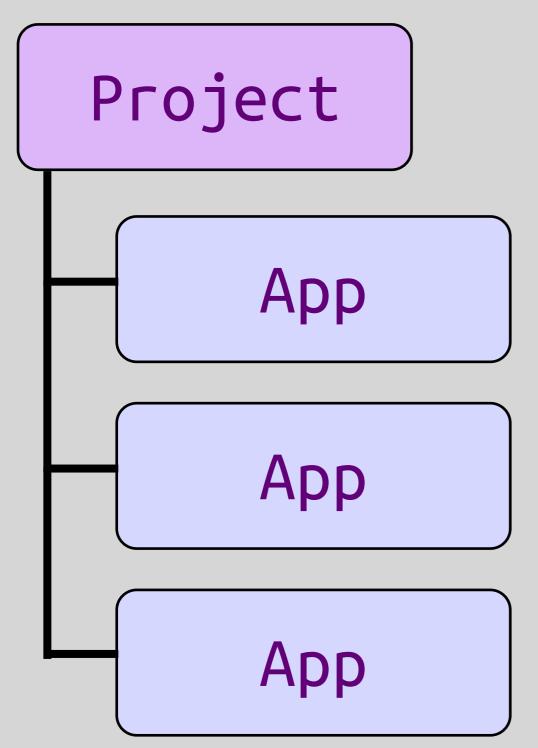
(per Django Project)

Project

Project

App





Project **Tickets** FAQ FaqCreator

REUSABILITY means faster features due to DRY (Don't Repeat Yourself)

REUSABILITY does not always mean SCALABILITY or MAINTAINABILITY

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Service

Method of communication over the web. Web APIs allow combination of multiple services



Support

Knowledge Base

Support

Knowledge Base

Billing

Support

Marketing

Knowledge Base

Billing

Support

Marketing

API

Knowledge Base

Analytics

Front End

Billing

Mobile

Support

Marketing

API

Knowledge Base

Analytics

Front End

Billing

Mobile

Support

Marketing

API

Knowledge Base

Analytics

Front End

Billing

Mobile

Support

Marketing

API

Knowledge Base

Analytics

Front End

Billing

Mobile

Support Knowledge Analytics Base Mobil Social Billing

Service Defined contract for communicating

Service

Defined contract for communicating

\$ curl -0 \$FAQ_API/create/ -X "question=my\ question source=123"

In Python

In Python

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

```
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 API_HOST= http://127.0.0.1
Endpoint /v1/create/
Contract { question: 'foo bar',
                    'source': 123
```



Service

App

URLS

Views

Models

Service

Provider Endpoint Contract

A SERVICE means REUSABILITY and enables SCALABILITY and MAINTAINABILITY

Fin.

Resources

http://bit.ly/djangocong http://bit.ly/appstoservices http://www.12factor.net