# Prototyping

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Designing and Building Great APIs

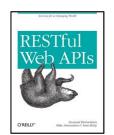




#### **Prototyping Great APIs**

- What is a Prototype?
- OpenAPI Spec/Swagger







### What is a Prototype?







# pro·to·type /ˈprōdəˌtīp/ •

#### noun

1. a first, typical or preliminary model of something, especially a machine, from which other forms are developed or copied.

"the firm is testing a prototype of the weapon"





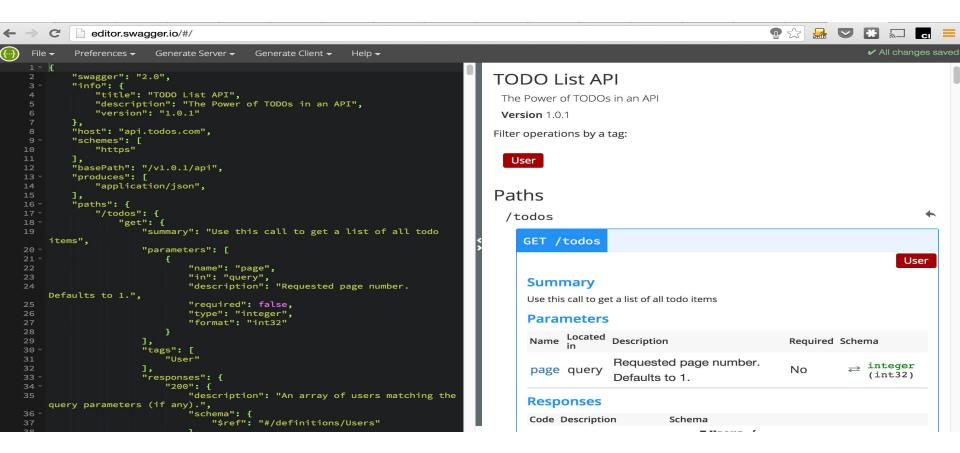


#### **Prototyping APIs**

- •Prototypes look like the real thing, but are not. They're "fakes."
- •They let you work up something with all the details of a real API, but without the actual functionality behind it.
- They're an inexpensive way to work out the details
- •Use them to discover challenges before you go into production.



#### Swagger Editor



#### **Prototyping APIs**

- Use tools like Live API Creator, NodeJS express, or other code-generating platforms.
- •It's also a good idea to use service-virtualization frameworks to mock up the response data.
- •If possible, include access-control checking when running tests against the prototype.
- •If possible use existing production-level API consumers to test out the prototype.



#### Prototypes are made to be tested.



### So...







#### **Prototyping Great APIs**

- Prototypes are for testing
- Use OpenAPI Spec/Swagger for prototyping







### Exercise

http://g.mamund.com/todo-list-swagger







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