



FULL SAIL  
UNIVERSITY

# APIs and Using them

*Application Programming Interfaces*

Design Patterns for Web Programming  
Web Design & Development Bachelor of Science Degree



# What the...?

*So what are these API thingys?*

- API
- Application Programming Interface
  - specifies how components interact with each other
  - allows different software to communicate

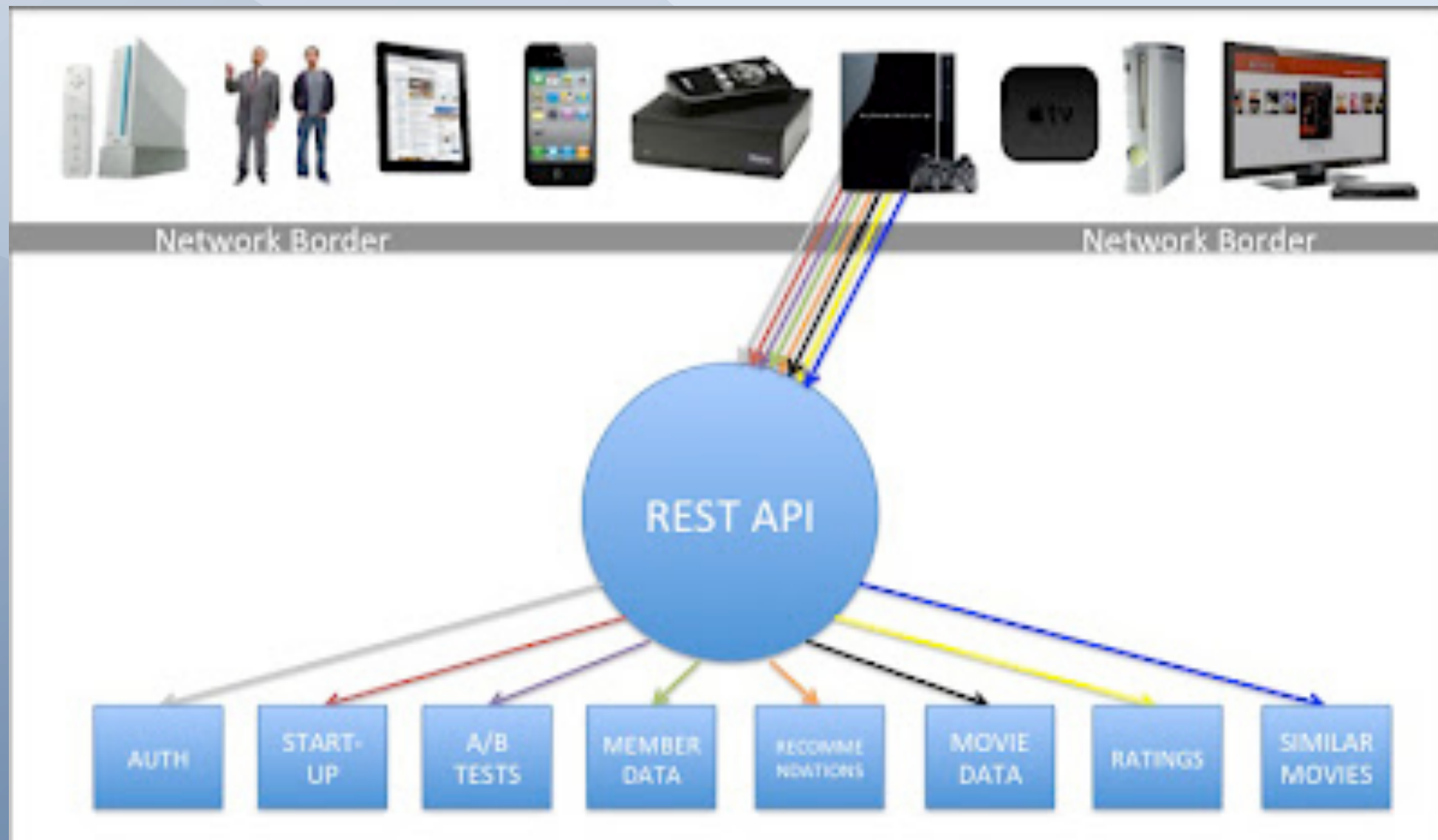


# Your Dashboard





# Conduit



# REST API

*Is it taking a nap?*

- REST (aka RESTful API)
- Representational State Transfer
- Uses GET, POST, PUT, DELETE for different operations.
- In short: An API you can access through **requests** and **responses**.



# Popular RESTful APIs

*Which can you use?*

- Programmable Web has a nice list:
- [http://www.programmableweb.com/  
apis](http://www.programmableweb.com/apis)



# Popular RESTful APIs

*Which can you use?*

- Yahoo Finance
- Yahoo Weather
- Flickr
- Klout
- IMDB (unofficial)
- Oxford English Database
- Open Beer Database





# Popular RESTful APIs

*Which can you use?*

## ○ Government

- USDA
- CDC
- Census
- Public Record Search
- City of New Orleans, Paolo Alto, San Jose, San Fransisco..etc





# Yahoo Weather API

*Is it cold in here, or is it just me?*

Note: deprecated

<http://xml.weather.yahoo.com/forecastrss?p=90210>



# Stuff to watch for

*Is it cold in here, or is it just me?*

- APIs that require keys
- O-AUTH

