

# URI Template

draft-gregorio-uritemplate

`http://www.example.com/users/{userid}`

`http://www.example.org/products/{upc}/buyers?page={page_num}`

# Why?

- Ability to express how to create a URI given a template is useful:
  - For documentation
  - For frameworks
  - For link-based protocols
- Encourages linking - loose coupling
- Avoids impinging on server's control of URIs



template

<http://login.example.org/login?back={return-uri}>

<http://auth.example.com/userauth;{return-uri}>



variable

# Levels and Expression Types

- URI syntax is potentially complex
- Don't want to require template processors to support that complexity by default
- “levels” of conformance for increasing complexity
- Higher levels have more expressivity
- E.g., expanding query parameters

{?x,y,empty}

?x=1024&y=768&empty=

# Moving Forward

- Started in 2006, discussed on [uri@w3.org](mailto:uri@w3.org) list
- Implementations in ~9 languages
- Is a “side project” for everyone
- Latest revisions by Roy Fielding
- Spec is fairly polished; imperative is to get something stable to encourage implementation / reuse
- APPSAWG?