

# URLs

COMS10012 / COMSM0085

Software Tools

# URL

# URL

RFC 3986:

- Uniform
- Resource
- Locator (/Identifier – URI)

[https://bristol.ac.uk/engineering/  
departments/computerscience](https://bristol.ac.uk/engineering/departments/computerscience)

# URL parts

`https://bristol.ac.uk/engineering/departments`

scheme

host

path

# URL parts

`https://example.com/pages  
?name=welcome&action=view`

query

# URI schemes

ftp://ftp.is.co.za/rfc/rfc1808.txt

http://www.ietf.org/rfc/rfc2396.txt

ldap://[2001:db8::7]/c=GB?objectClass?one

mailto:John.Doe@example.com

news:comp.infosystems.www.servers.unix

tel:+1-816-555-1212

telnet://192.0.2.16:80/

urn:oasis:names:specification:docbook:dtd:xml:4.1.2

# REST

# REST

Representational State Transfer

Fact: HTTP is stateless

- State goes in the request
- Resources have names (URLs)
- use HTTP verbs as intended

# REST

GET /files/README.txt

DELETE /files/README.txt

POST /files/README.txt?action=delete

GET /files?name=README.txt