HTTP
and
the architecture of the WWW

Lecture Notes

Pedro Félix, Filipe Freitas

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user-agent
(HTTP client)

(e.g. browser)

HTTP request

HTTP response

UI
stdin
stdout
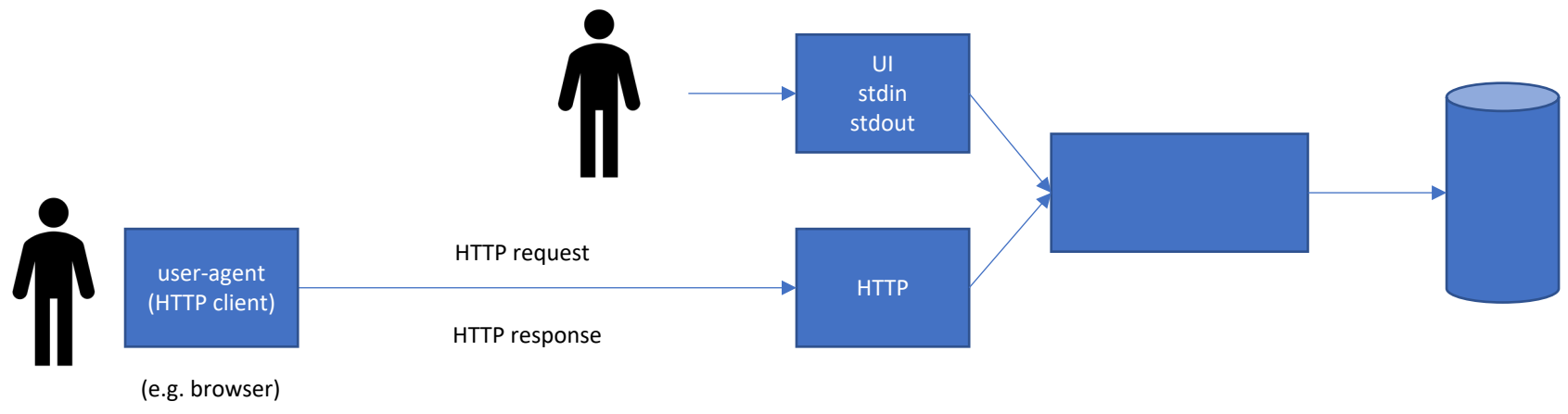
HTTP

scheme – http
host – example.com
port - 80
path - /rooms/1/bookings

Uniform Resource Identifier (URI)

http://example.com:80/rooms/1/bookings

user-agent
(HTTP client)

resource

Interaction protocols
(e.g. HTTP - HyperText Transfer Protocol)

e.g. rooms, bookings, users, labels

Request message

method	URI
headers (name: value)	
[Body]	

resource

user-agent
(HTTP client)

Client

Server

status code

headers (name: value)

[Body]

Response message

1xx –
2xx – Success
• 200 (OK)
3xx –
4xx – Client error
• 404 (Not Found)
• 400 (Bad Request)
5xx – Server error
• 500 (Internal Server Error)

Content-Type: representation format
Content-Length: representation length