

Markup Languages and HTML (Hypertext Markup Language)

- ▶ What is a markup language?
- ▶ Other markup languages
 - ▶ Markdown
 - ▶ LaTeX
 - ▶ XML (Extensible Markup Language)
- ▶ Each markup language has a specific purpose and structure
- ▶ For detail on HTML view the video linked to on the course homepage



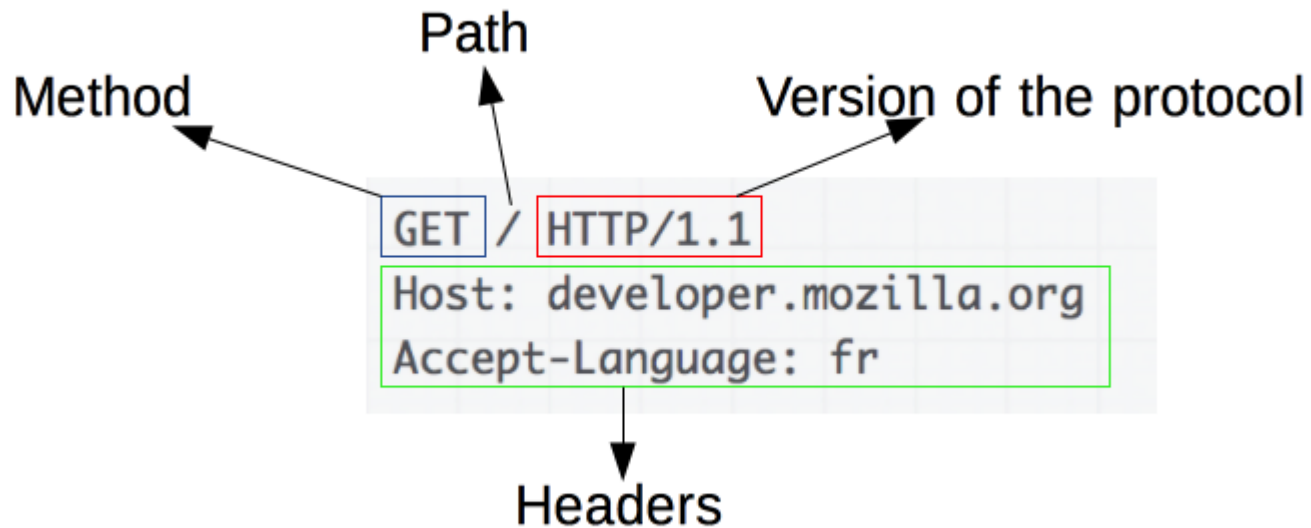
HTTP and REST

- ▶ HTTP and REST Overview
- ▶ YouTube Video: What is a Restful API? Explanation of REST and HTTP
- ▶ REST Demo with VS Code
- ▶ Statelessness and Stateful Sessions
- ▶ REST and the Richardson Maturity Model (reading)



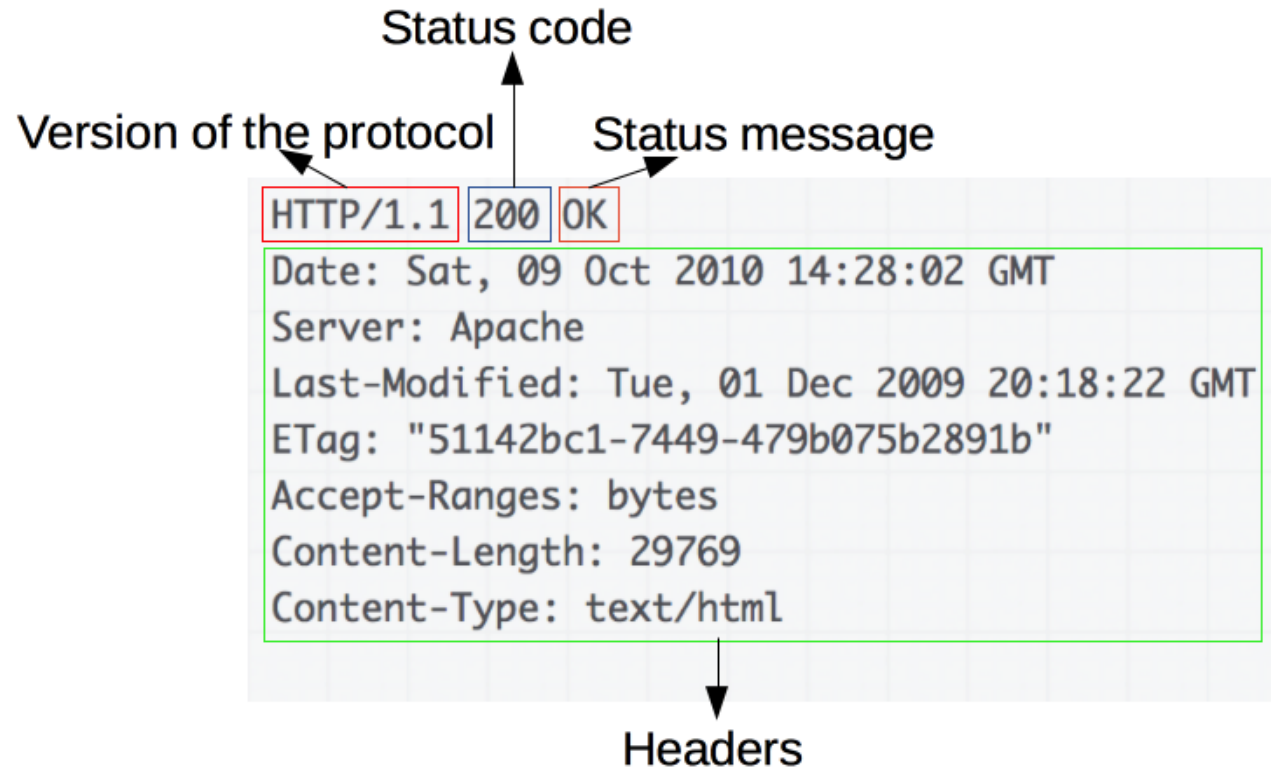
HTTP: HyperText Transfer Protocol

- ▶ Protocol for transferring hypertext
- ▶ Built on top of TCP/IP
- ▶ Clients and servers exchange individual messages
- ▶ An HTTP Request



HTTP: HyperText Transfer Protocol

An HTTP Response



REST

- ▶ REpresentational State Transfer
- ▶ Architectural Style



Statelessness and Stateful Sessions

- ▶ HTTP is stateless but we need stateful sessions
- ▶ Cookies



Statelessness and Stateful Sessions

- ▶ Two approaches to storing session state:
 - ▶ Client Session State
 - ▶ Server Session State

