

# WEB FOUNDAMENTALS

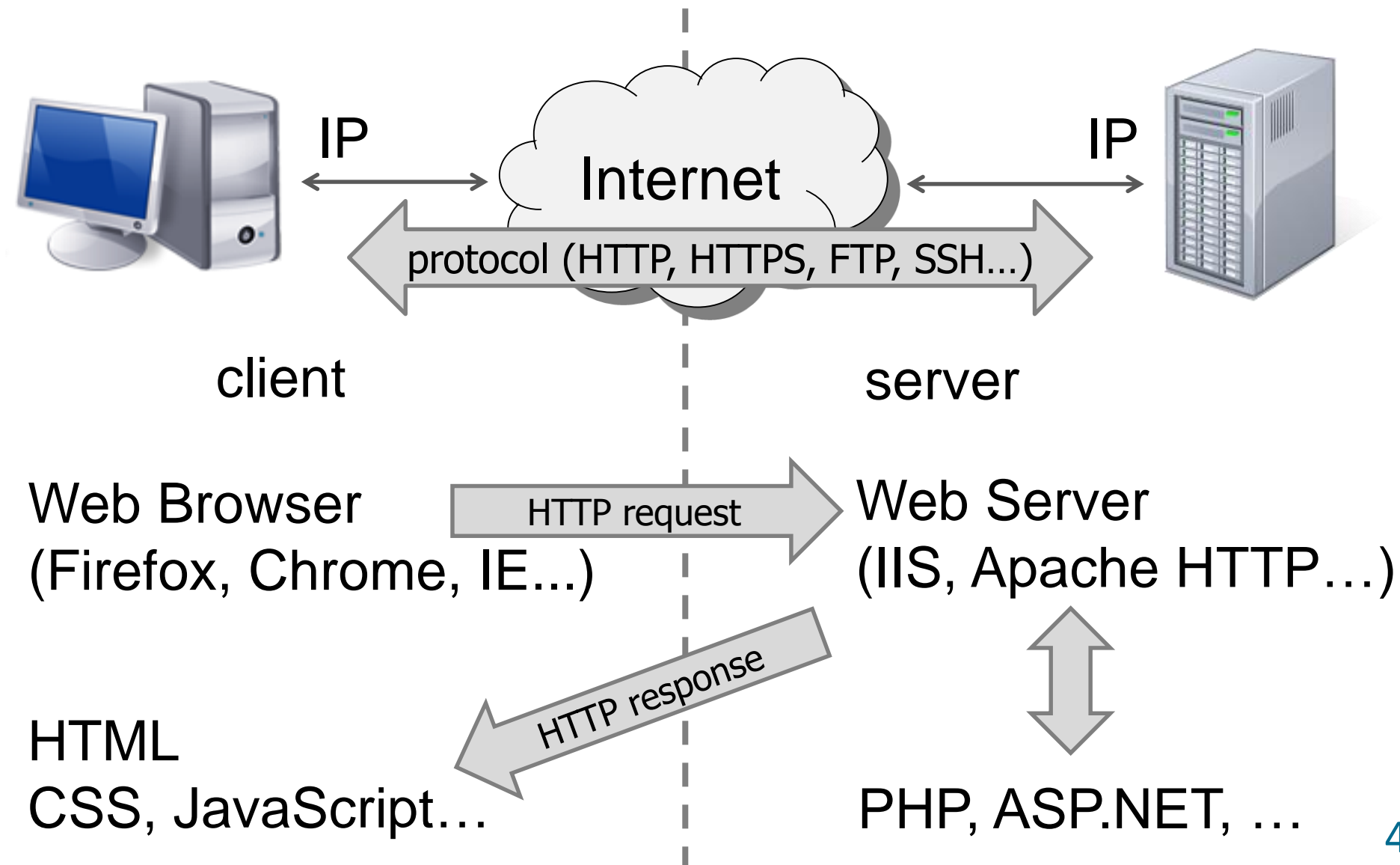
## Exercise 1 – Web Fundamentals

# World Wide Web

- Internet
- Client - Server
- Protocols and technologies
- World Wide Web
- Browsers
- Web server



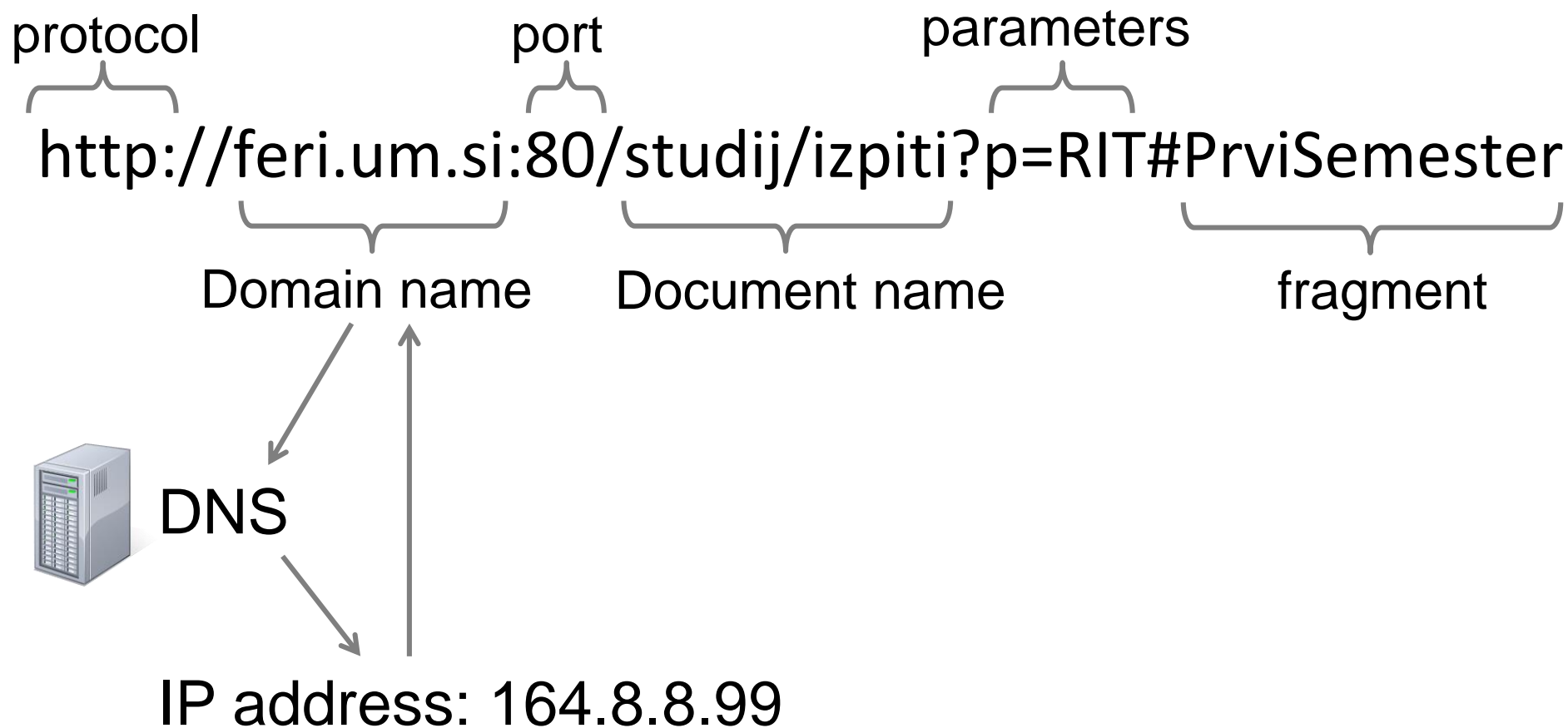
# Client - Server



# World Wide Web

- A set of connected documents
- Documents stored on the server
- Linking to other documents by URL address

# URL Address



# Search engines

■ > 1 billion of active web pages

■ Search engines

- [www.google.com](http://www.google.com)
- [www.bing.com](http://www.bing.com)
- [www.najdi.si](http://www.najdi.si)
- [www.wolframalpha.com](http://www.wolframalpha.com)

■ Knowledge databases

- [www.wikipedia.com](http://www.wikipedia.com)
- [www.w3schools.com](http://www.w3schools.com)

# Web Browsers

- Serves for „displaying“ a document
- Follows certain standards and technologies for displaying documents:
  - HTML
  - CSS
  - JS
- Differs in the supported features



# Developers Tools

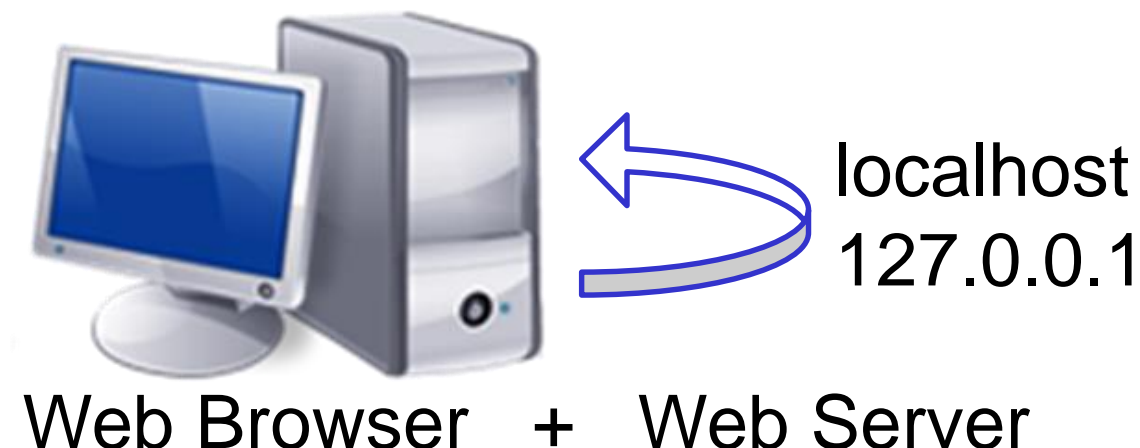
- View HTML code
- View CSS code
- Calculate element positions
- Follow events
- Javascript console
- View included sources
- Monitoring network traffic
- Security

# Software web server

- Program, running on server
  - Apache
  - Nginx
  - ISS
- Waiting for HTTP requests
- Starts the dynamical generation of the output document
  - Different programming languages

# Developing web applications

- Install software web server on your PC
  - WAMP, LAMP, MAMP, XAMPP,...
- Use web hosting instead



# Presentation – Questions

## ■ Basic terms

- Definition
- List

## ■ Use of search engines

- Meaning of abbreviation
- Default port for protocol

## ■ Web technologies

- Describe
- Copy code sample