# Lab2: Net Ninny

## Questions?

- How to handle 2-3-... word combinations? –> find()
- Forking really necessary? Or threads okay?
- State machine by character to parse the messages?

## Teaching session

### Advice

- use one port per msg on the client side (recv)

- backlog: 10

- if sending failed (check first), send again

- use the header 'Connection: close' and enforce it on HTTP 1.1!

- look at 'Content-type: text' in the response msg before parsing

- only filter urls and text!

- if abusive content found, send 301, then new request for the error page, then forward

### Setup

- Set the browser to 127.0.0.1 + port number
- use port > 1024
- use only IPv4

### Architecture

| Server | Client |
|---|---|
| get GET request + forward response to client | send GET to server + get response |
| url filtering | content filtering |

## What needs to be done

### Martin

- constants
- parse the http: method, url, version, etc.
- object http_request as an abstract object + to_string method

**Lena**

- starting the client part: entirely separated: get IP of the current interface and send hardcoded message to real server + get response