Fachbereich Mathematik und Informatik
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Web Technologies
Assignment 7

Please hand in your homework by email to `pgiarrusso@informatik`. We will do group exercises after the hand-in. **The deadline for this assignment, exceptionally, is Jan 08**.

If at all possible, please bring your laptop to the following exercises.

G7.1 HTTP

What is HTTP? What is it used for? What are GET and POST? What features does HTTP lack? Is the lack of those features an advantage or a disadvantage? What are the commonly used extensions of HTTP? What about standardization?

G7.2 Session Management

Describe the different techniques for managing a user session. What are the benefits and disadvantages, respectively? You might want to consider slide 22.

H7.1 HTTP at work

Use a telnet terminal (or similar, like `nc` on *nix systems) to issue an HTTP request to some server. Hand in a log of your session.

H7.2 Non-blocking I/O

Explain the concept of non-blocking (or asynchronous) I/O (see slide 34, the description in the book, and example in https://www.brics.dk/ixwt/examples/NonblockingServer.java). What is it good for? What are its advantages and disadvantages compared to blocking (or synchronous) I/O? If needed, abundant material is available on the Web (in that case, cite your sources). Aim for clarity and brevity.