University of Stuttgart
Germany

Institute of Architecture of
Application Systems (IAAS)
Service Computing

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Seminar on the Origin and Evolution of the Web
Summer Semester 2024

The Web is almost 30 years old and it has evolved substantially from the initial proposal of 1989. This seminar covers both aspects of the origin and history of the Web and of its technical evolution. Topics include:

History of hypermedia	Browser wars
The Xanadu System	Cookies and browser caching
The On-line System (NLS)	Client server load sharing
Hypercard	Client server communication
Gopher	Standardization
The original Web proposal	Security evolution
W3C	HTML and layout
History and evolution of the Browser	Client-side scripting

Notes on the process: Students can propose their own related topic (only at the **beginning** of the course). The language of the seminar is **English**. The concrete seminar topics will be presented in a preliminary discussion at the beginning of the semester (presumably the first week of lectures) and distributed according to the preference of the seminar participants. During the semester, the student is expected to research the topic, write a report and prepare a presentation. All presentation will take place at the end of the lecture period in a block event. Accordingly, there are **no** weekly sessions during the semester. Please note that the reports are to be submitted **before** the presentations. The preliminary meeting is expected to take place during the first week of the lecture - the exact date will be announced to the seminar participants in a timely manner.

Material: The seminar is based on the book: The Web Was Done by Amateurs: A Reflection on one of the Largest Collective Systems Ever Engineered, Springer; 1st ed. 2018 edition, ISBN-10: 3319900072.