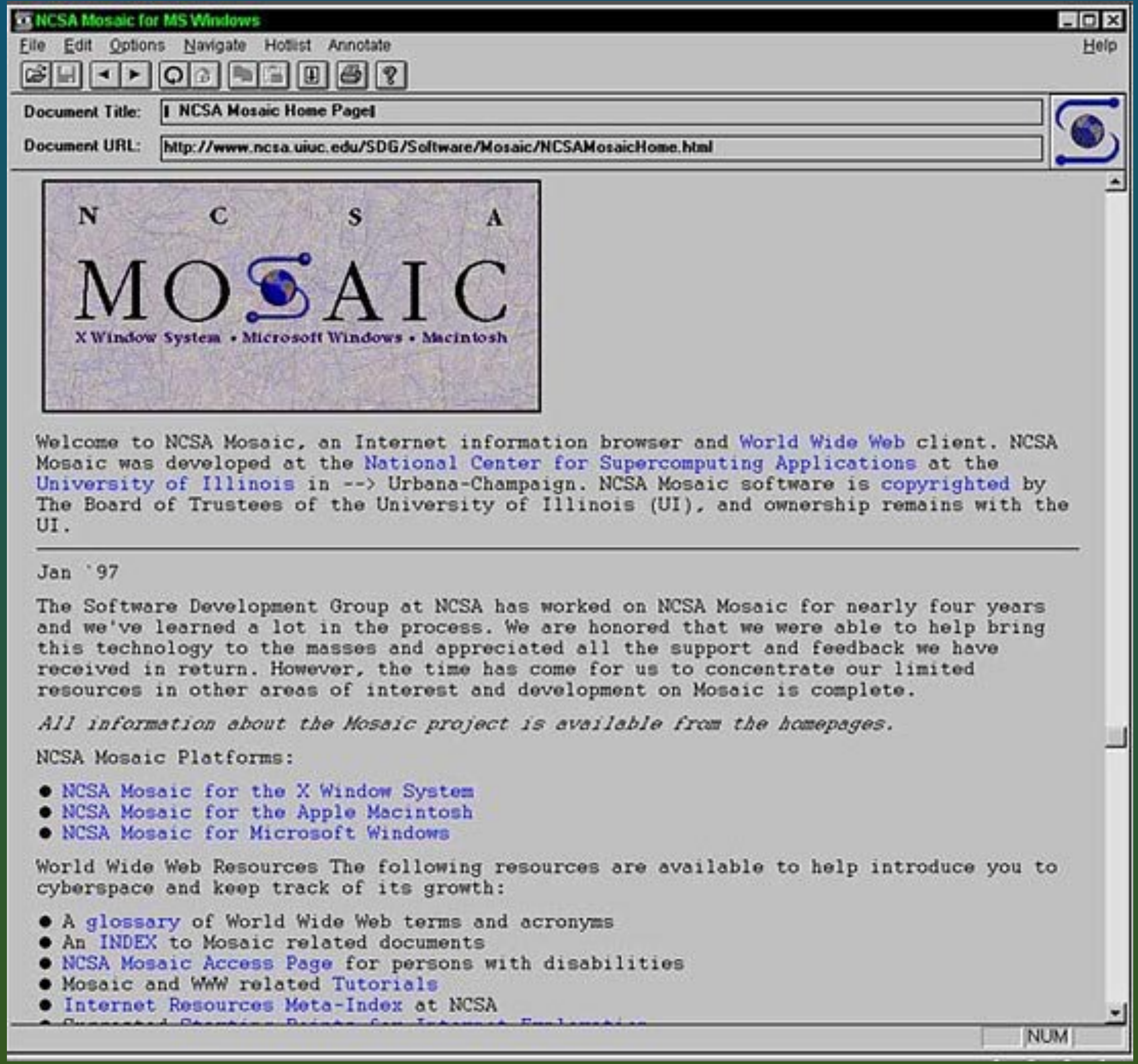
Security

Web Engineering

Prof. D. König

Yesterday, 25 Years ago


NCSA Mosaic for MS Windows
File
Edit
Options
Navigate
Hotlist
Annotate
Help
N C S A
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X Window System • Microsoft Windows • Macintosh
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Document Title: NCSA Mosaic Home Page

Document URL: http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/NCSAMosaicHome.html

Welcome to NCSA Mosaic, an Internet information browser and World Wide Web client. NCSA Mosaic was developed at the National Center for Supercomputing Applications at the University of Illinois in --> Urbana-Champaign. NCSA Mosaic software is copyrighted by The Board of Trustees of the University of Illinois (UI), and ownership remains with the UI.

Jan `97

The Software Development Group at NCSA has worked on NCSA Mosaic for nearly four years and we've learned a lot in the process. We are honored that we were able to help bring this technology to the masses and appreciated all the support and feedback we have received in return. However, the time has come for us to concentrate our limited resources in other areas of interest and development on Mosaic is complete.

All information about the Mosaic project is available from the homepages.

NCSA Mosaic Platforms:

- NCSA Mosaic for the X Window System
- NCSA Mosaic for the Apple Macintosh
- NCSA Mosaic for Microsoft Windows

World Wide Web Resources The following resources are available to help introduce you to cyberspace and keep track of its growth:

- A glossary of World Wide Web terms and acronyms
- An INDEX to Mosaic related documents
- NCSA Mosaic Access Page for persons with disabilities
- Mosaic and WWW related Tutorials
- Internet Resources Meta-Index at NCSA

Why Do We Care?

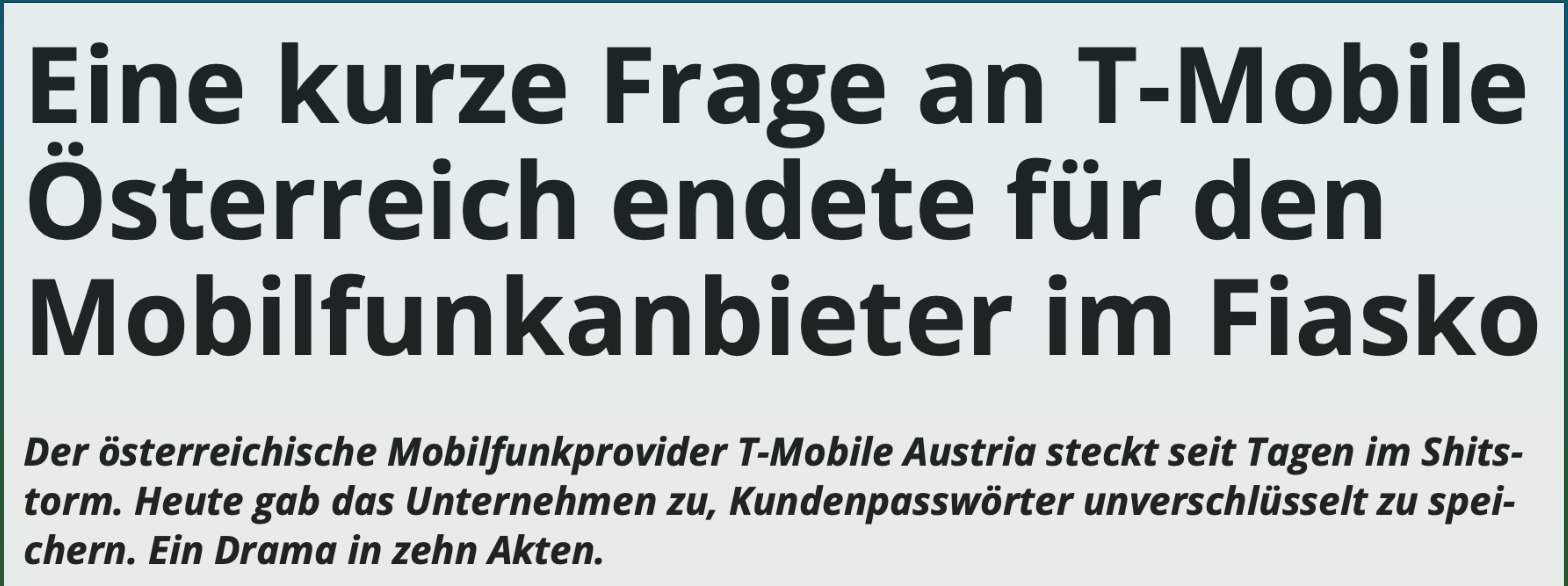
Often, for good UX and plain functionality, we need to *identify the user*.

But then…

With identification come further issues:
safe password management
user-creation denial of service attacks
lost passwords, revoking credentials, …

use of external service (OAuth) ?

What can go wrong?



Eine kurze Frage an T-Mobile Österreich endete für den Mobilfunkanbieter im Fiasko

Der österreichische Mobilfunkprovider T-Mobile Austria steckt seit Tagen im Shitstorm. Heute gab das Unternehmen zu, Kundenpasswörter unverschlüsselt zu speichern. Ein Drama in zehn Akten.

Keep it simple

There is *much* to know about security.

We need a *simple* initial introduction.

Let's follow best practices and use Spring Security

Access Control

Once I can identify the user, I often want to restrict access based on the user's characteristics (guest, regular, admin)

Some Concepts

Authentication: who am I ?

Authorization: what am I allowed to do?

Principal, Role, Authority, Credentials,…

Strategies

Shield resource vs shield access path,

Allow allow, shield selectively

Disallow all, open up selectively

Full Security

… is a topic that expands much more than what we can cover here.
Attend specialized modules.

We do a bare-bones introduction,
so let's start!