# OLAT - Online Learning And Training

AAI Info-Day 7. December 2004

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# Agenda

- AAI implementation in OLAT
  - Goals
  - Workflow and Implementation
  - Major Issues
- OLAT Live Demo
  - AAI login
  - User mapping
  - Course preconditions
- Questions and Answers



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# Goals

- Seamless integration of AAI/Shibboleth into OLAT from a user‘s point of view
- Co-existence of AAI/Shibboleth with alternative authentication mechanisms
- Minimal setup requirements for administrators
  - No additional software needed
  - Configuration of AAI/Shibboleth within OLAT



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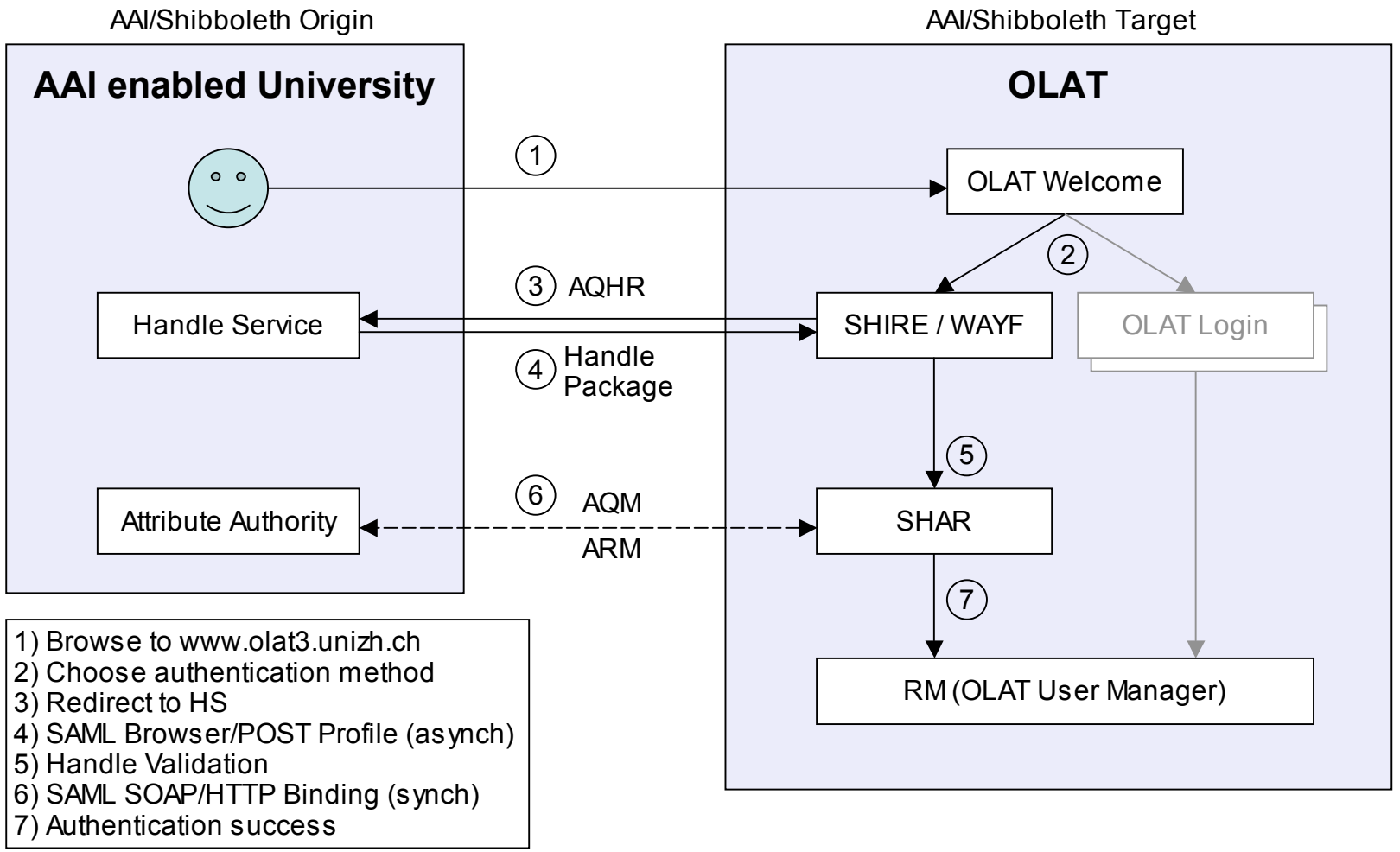
# Workflow




1) Browse to www.olat3.unizh.ch
2) Choose authentication method
3) Redirect to HS
4) SAML Browser/POST Profile (asynch)
5) Handle Validation
6) SAML SOAP/HTTP Binding (synch)
7) Authentication success



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# Implementation

- Implementation of SHIRE, WAYF and SHAR in OLAT (Java/Tomcat)
- Based on freely available OpenSAML
- WAYF based on Shibboleth Origin Reference Implementation
- SHIRE/SHAR implementation based on OpenSAML code reviews and Shibboleth Architecture DRAFT v05


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# Features

- Configuration within olat_config.xml
- WAYF includes sites.xml watchdog
- Handle validation according to Shibboleth Architecture DRAFT
  - I.e. Issuer, Issue Instant, Recipient, Signature, Subject IP and optional Client Cert validation (outside standard's scope)
- Attribute translation and propagation within OLAT
- OLAT user profile mapping
- Generic Shibboleth implementation



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# Major Issues (1/2)

- Missing AAI attributes
  - Students registering in a minor field of study
    ⇨ grant access through OLAT groups
  - Assistants and professors
    ⇨ Uni ZH specific solution
  - Missing registration number (Matrikelnummer)
    ⇨ Uni ZH specific solution
- No logout defined by Shibboleth standard
  - Users working at same computer may take over accounts by accident


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# Major Issues (2/2)

- User acceptance
  - AAI certificates not signed by known root CA
  - User is unfamiliar with AAI and its concept of redirecting to Home Site for authentication
- Browser issues
  - Session lost after redirects with Netscape 7.0
- OpenSAML library patches needed
  - Send SAMLRequests' IssueInstant w/o millis
  - Allow custom Trust Manager in SOAPBinding



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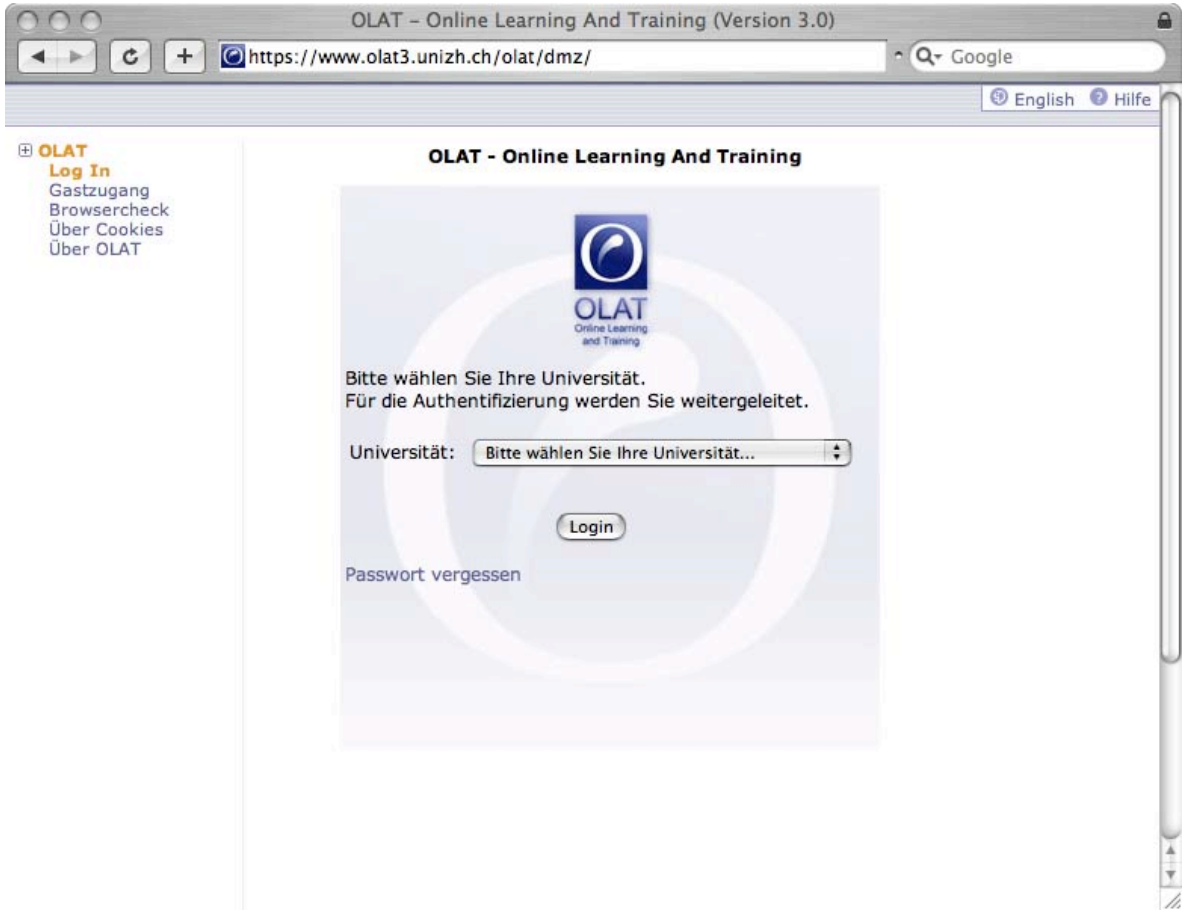
# Live Demo



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# Information Sources

Multimedia und E-Learning Services,
University of Zurich

http://www.id.unizh.ch/mels/

support@olat.unizh.ch

OLAT Main Server

http://www.olat3.unizh.ch

(Login as Guest)

OLAT Open Source Project

http://www.olat.org



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# Questions & Answers

http://www.olat.org



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# Live Demo (Screenshots)

The following slides provide screenshots of the live demo.



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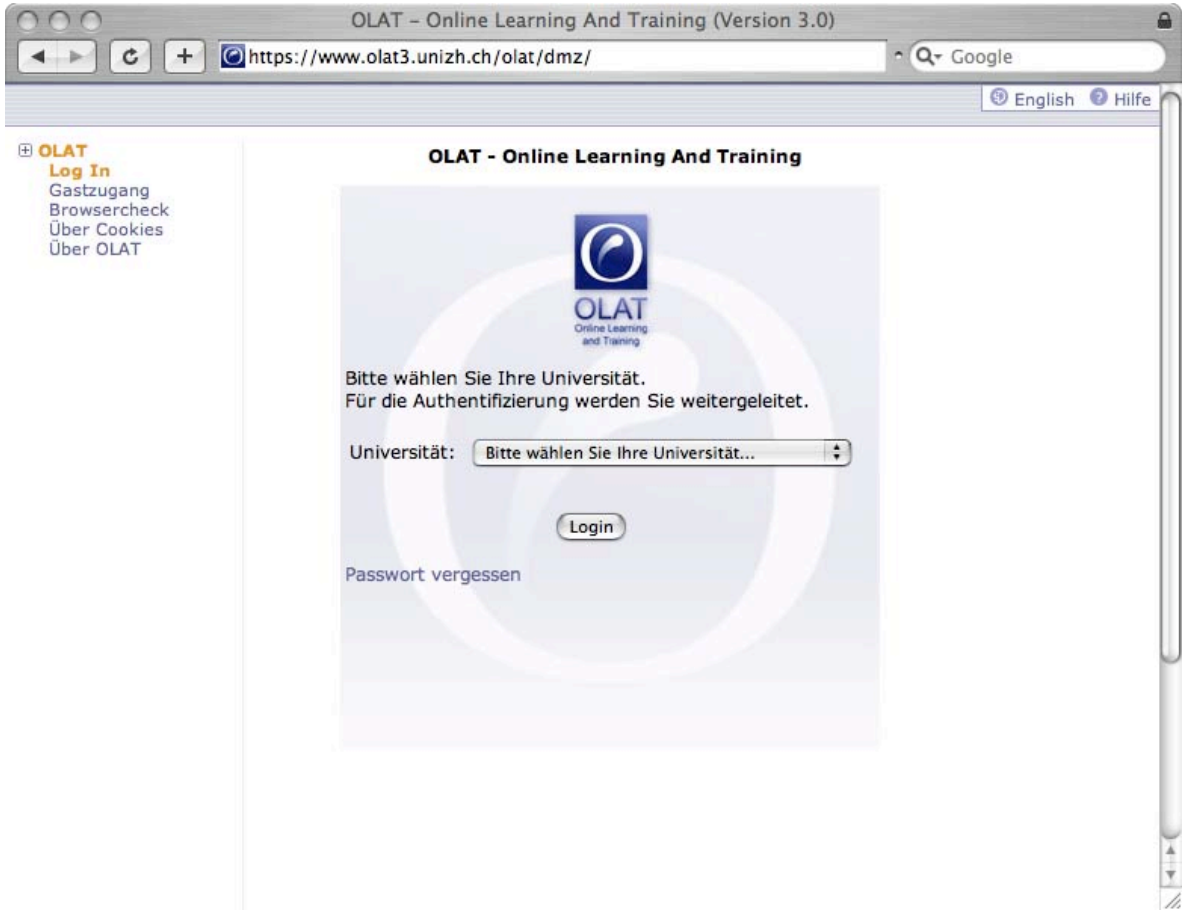
# OLAT Login Screen



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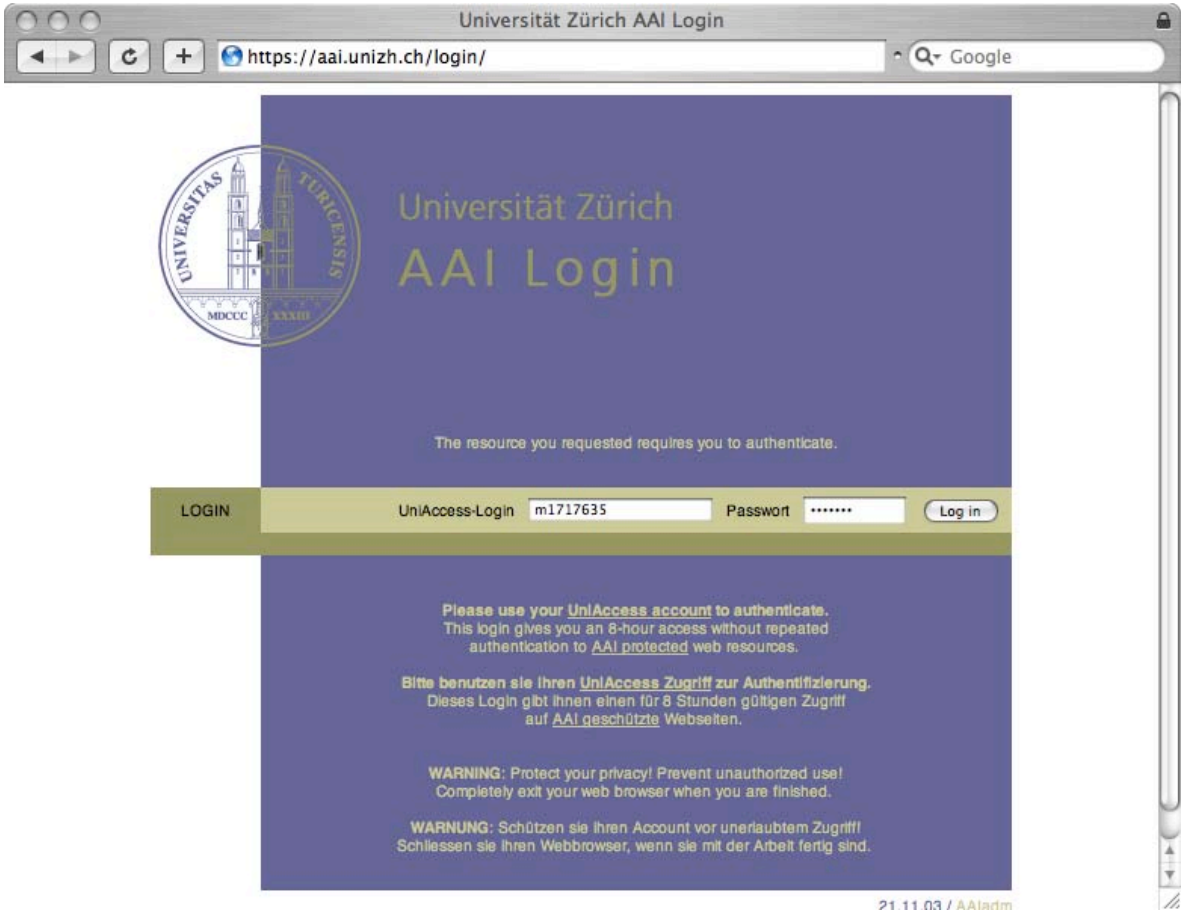
# Handle Service Uni ZH



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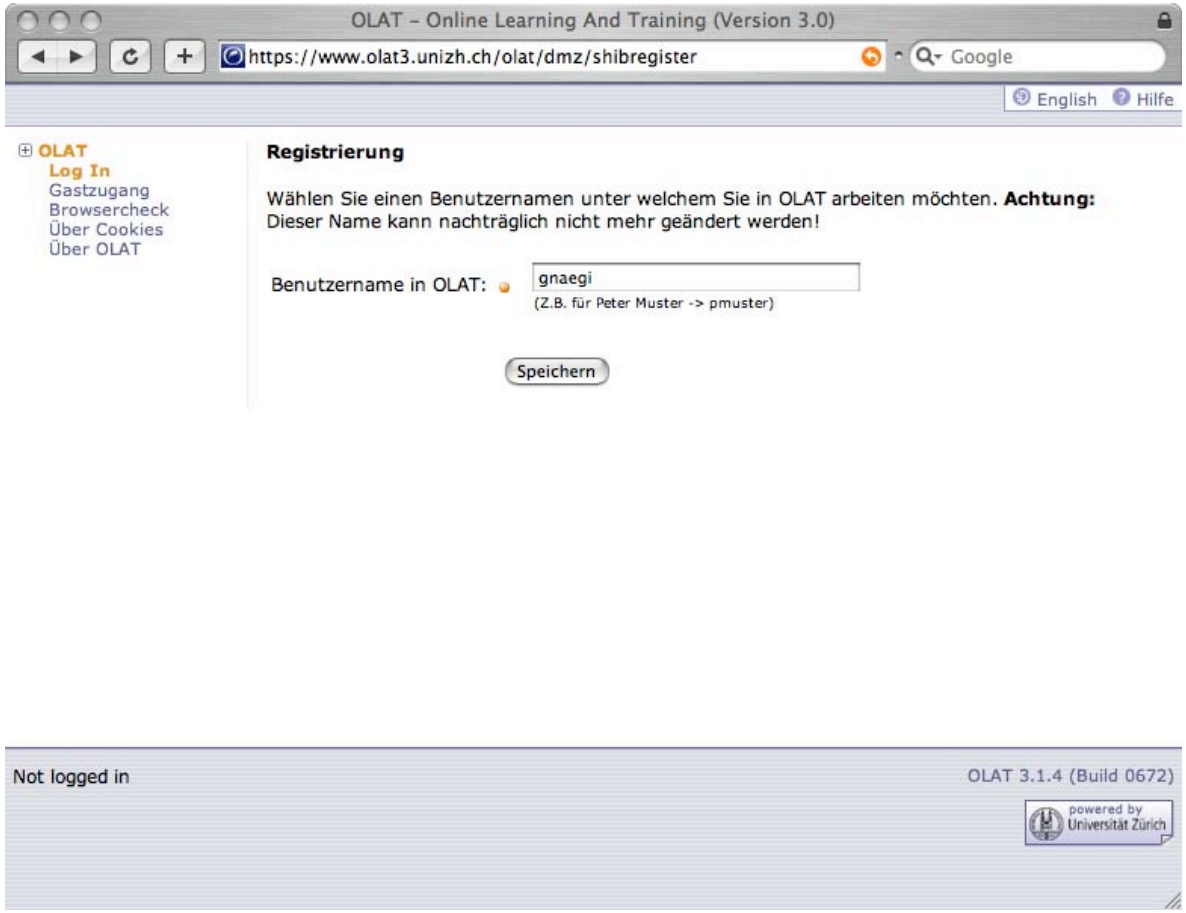
# Registration (1/3)



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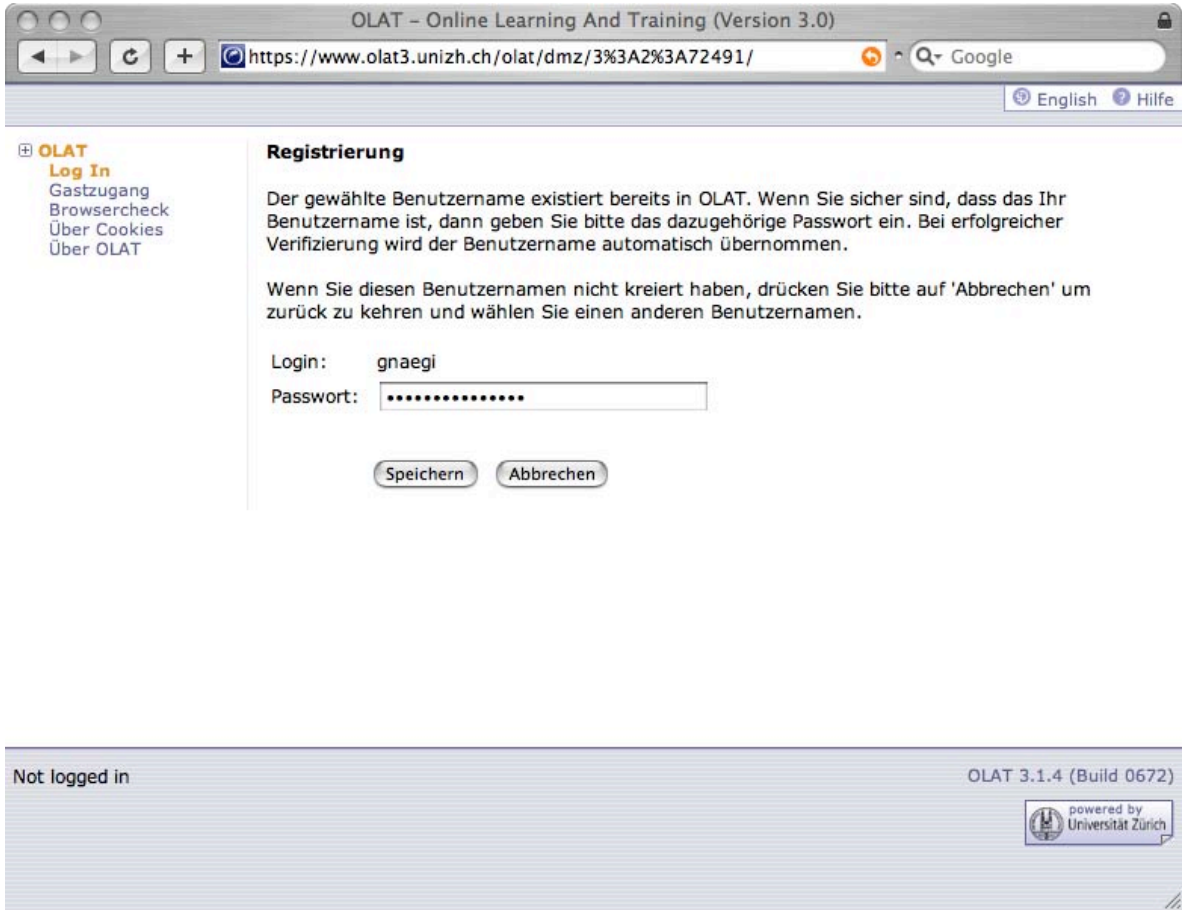
# Registration (2/3)



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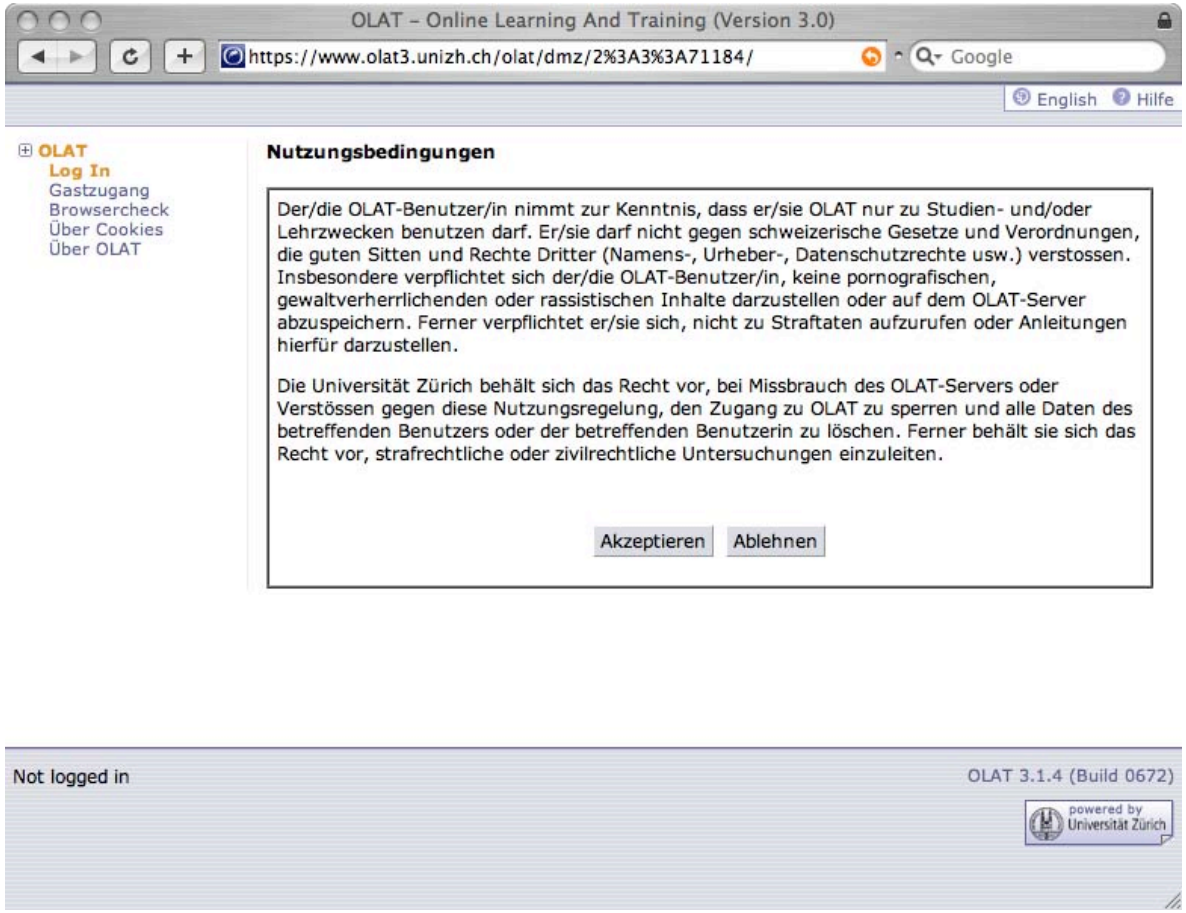
# Registration (3/3)



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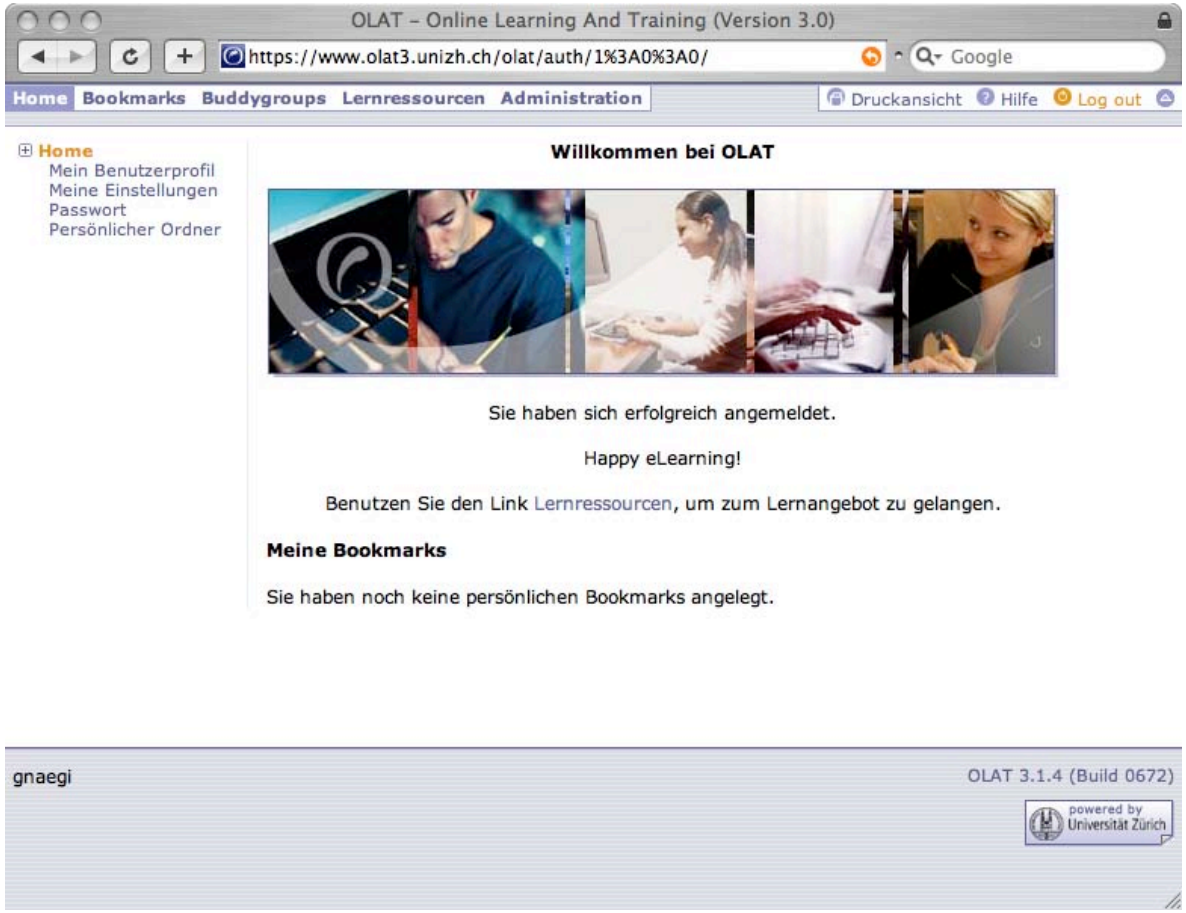
# OLAT Home



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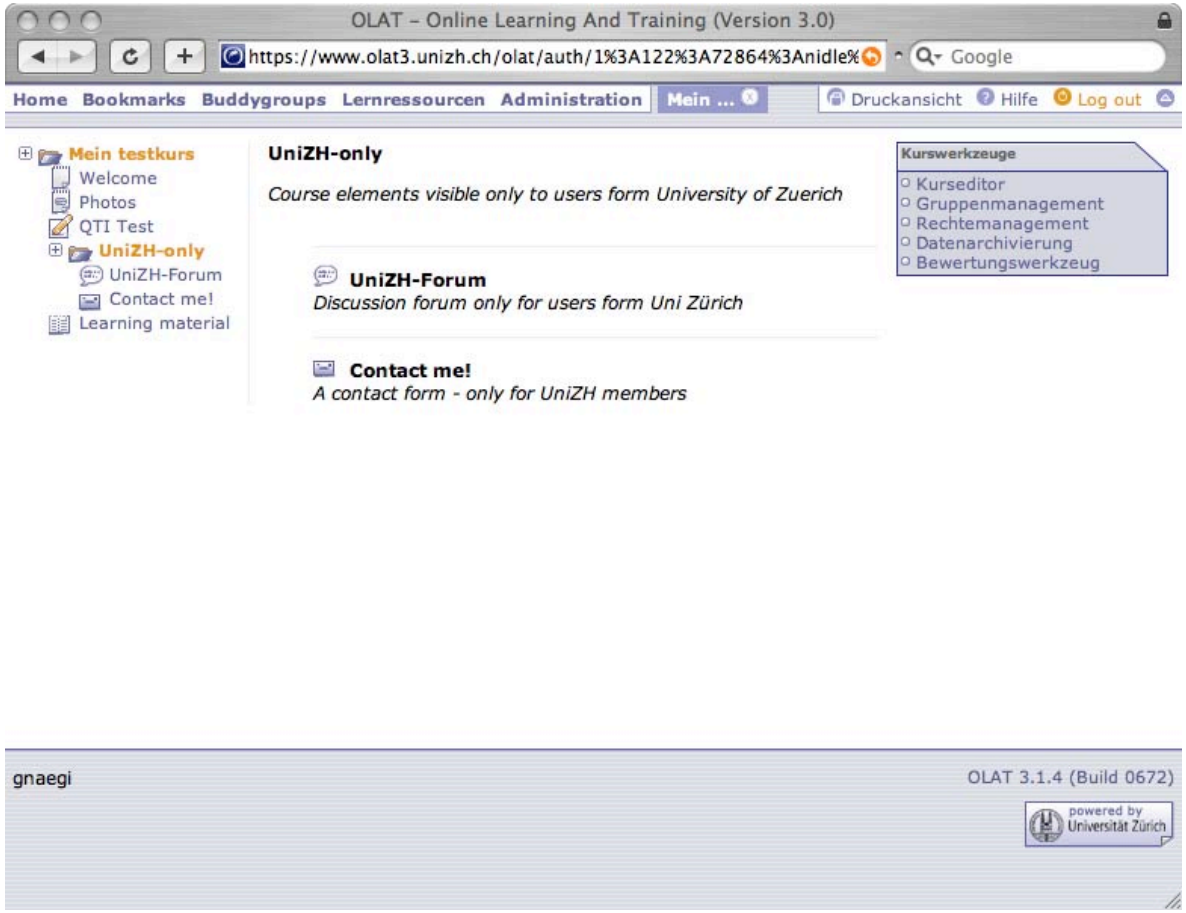
# Course for Uni ZH students



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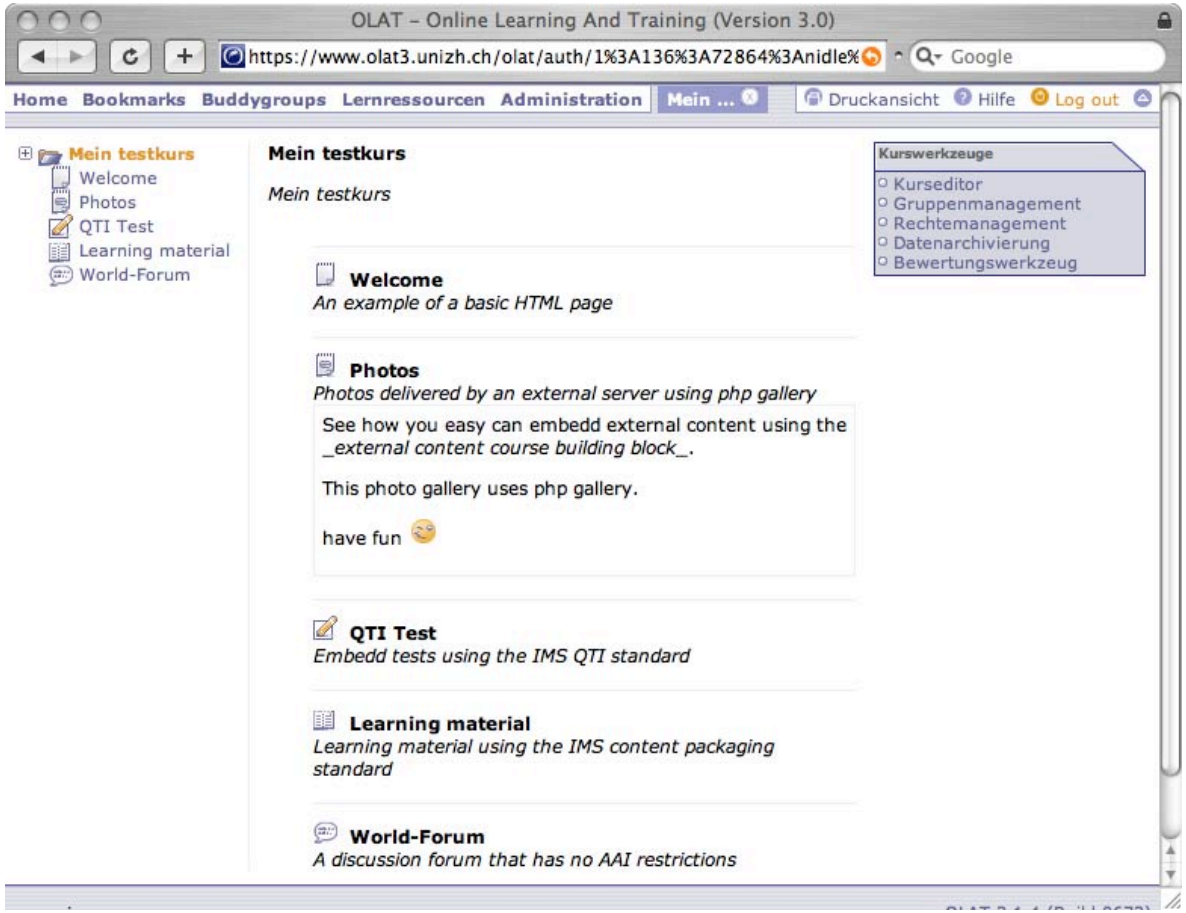
# Course for all other students



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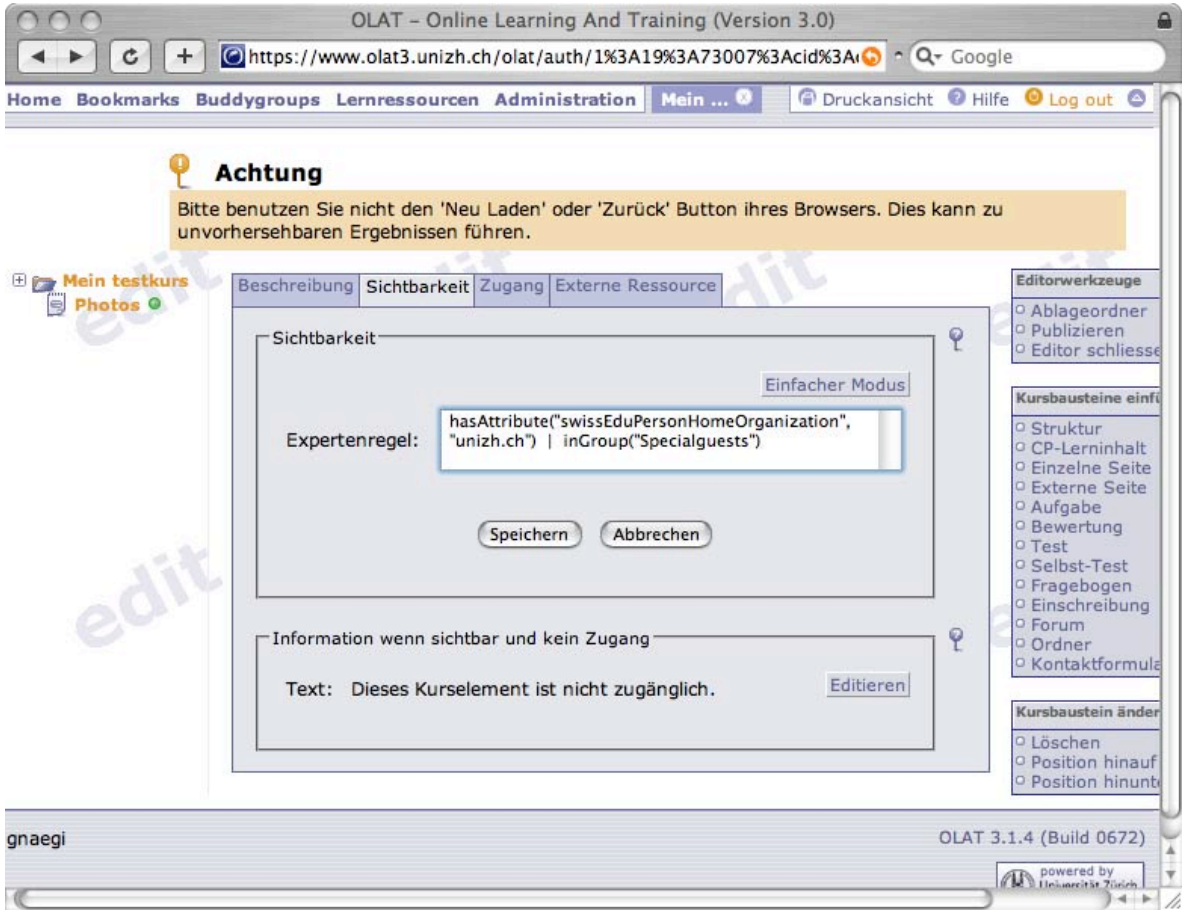
# Course: AAI Preconditions



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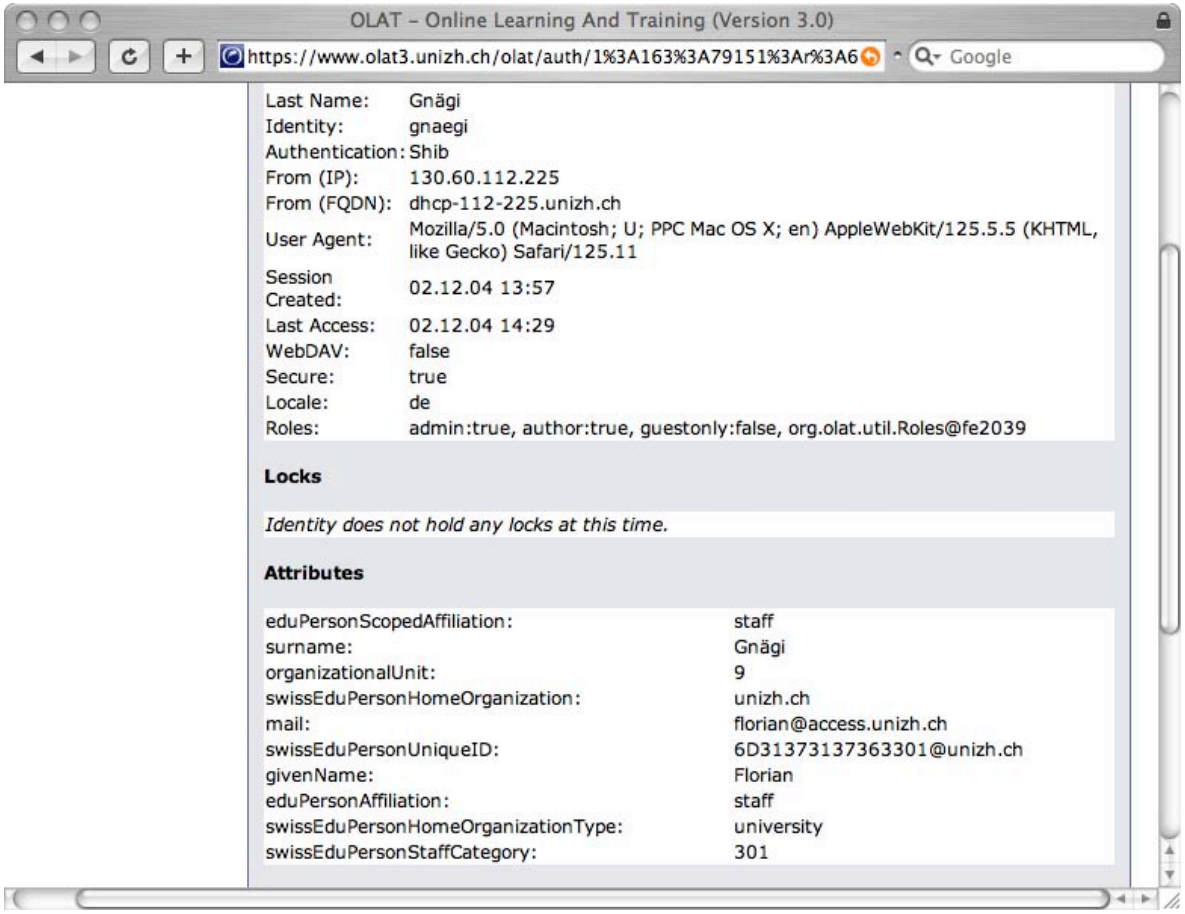
# Admin: Session view



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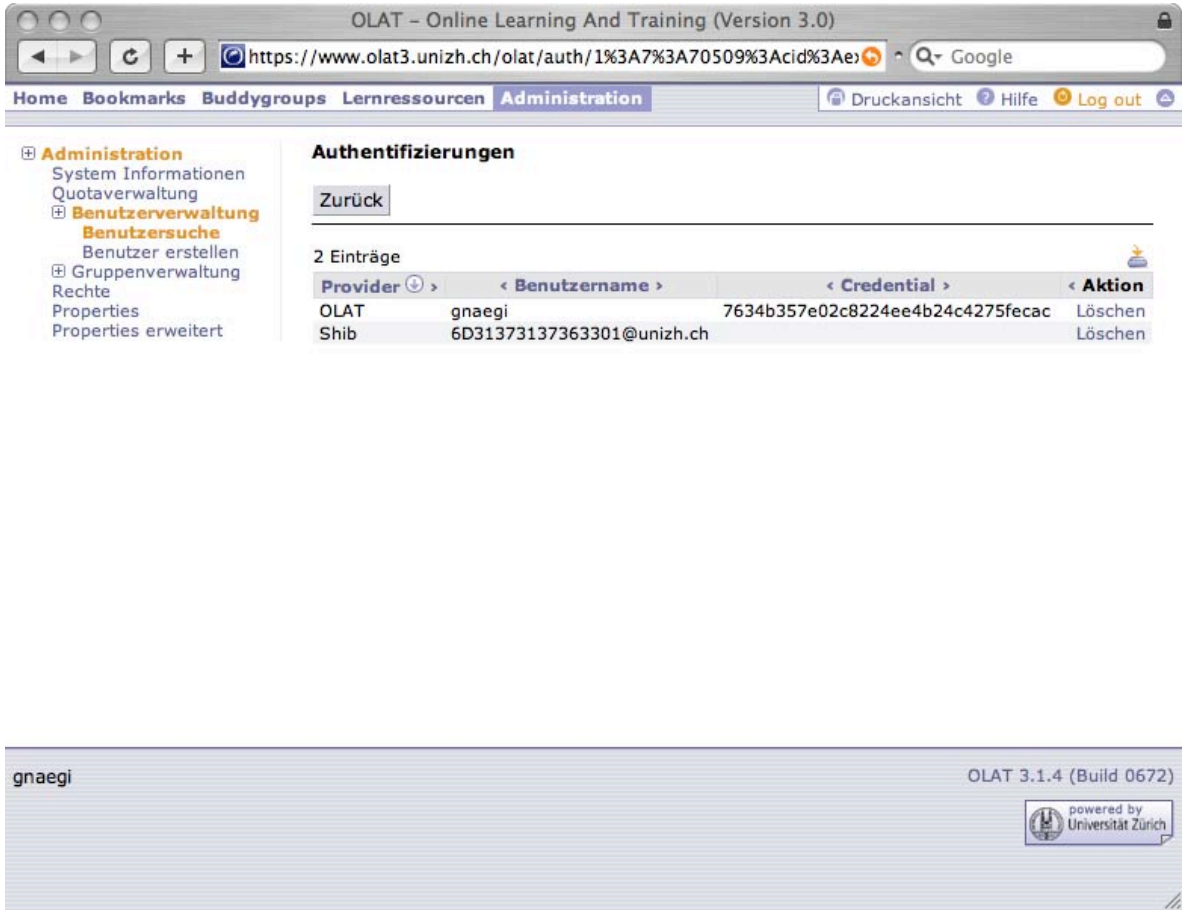
# Admin: Authentications view



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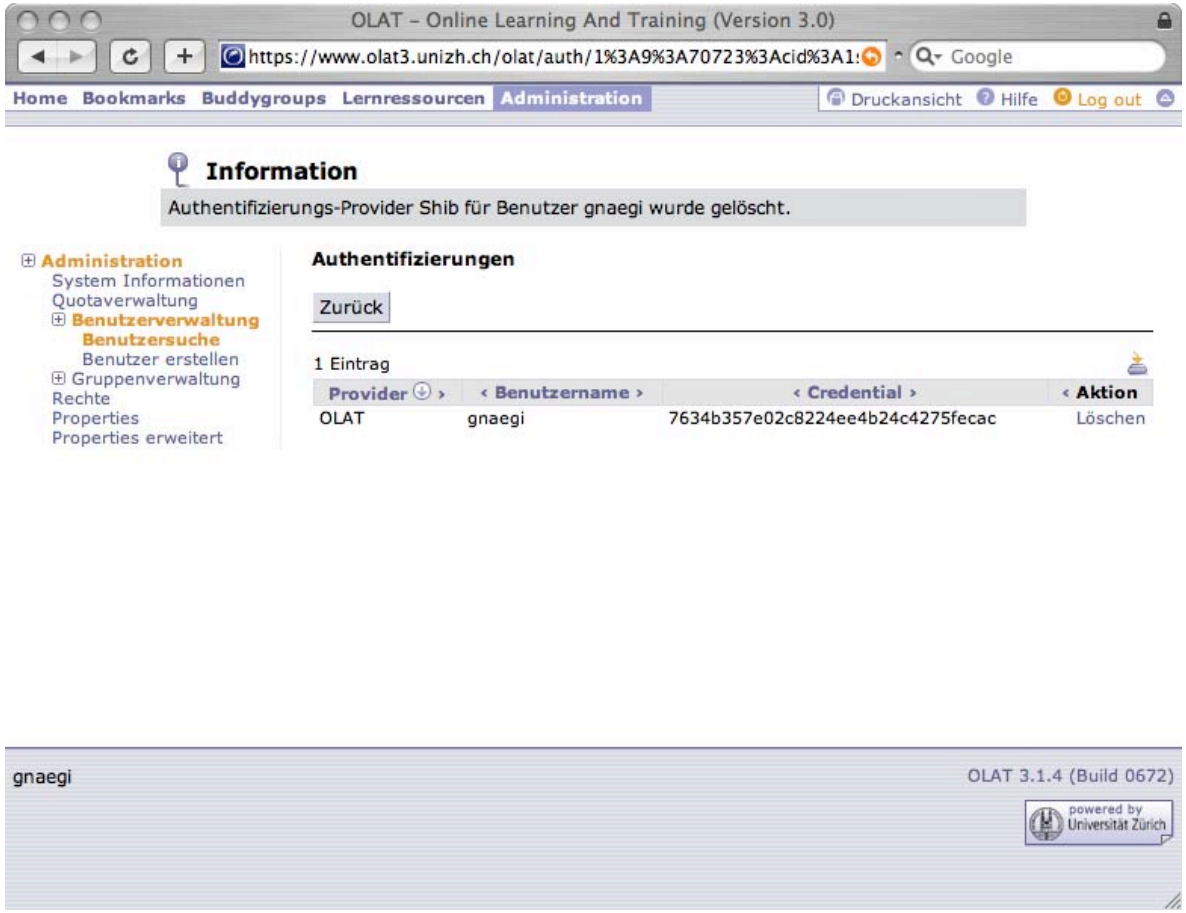
# Admin: Authentications view



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