Authentifizierung im 21. Jahrhundert
Summer Term 2018

LMU München | HAW München
Prof. Dr. Florian Alt

Assignment 3

Submissions via email to your supervisor. All submissions should be in English.

In this exercise, your task is to realize / explore a novel authentication concept, based on the project task description (see website). Each team will be assigned a supervisor who is available for providing feedback and advice on the project. Meetings with the supervisor will be scheduled as needed.

Exercise 3-1   Related Work

Your first task is to familiarize yourself with related work. This includes both scientific publications on similar concepts and mechanisms but also commercial products. Please provide a list with the 10 most important related articles as well as all similar products you find. For your literature research we recommend using Google Scholar. Furthermore, you may look into Digital Libraries, such as acm.org/dl, Springer Link, Elsevier, etc. Relevant conferences include, but are not limited, to CHI, MobileHCI, SOUPS, Ubicomp / IMWUT, etc.

For each paper, provide a brief summary (approximately 100 words, **in English**) with the following content:

(a) research question(s) being answered
(b) which methodology did the authors use
(c) what did they find and
(d) why is this important in the context of your project

Submission: Submit a zip-file, containing the papers as well as one pdf-file containing the summaries, named "assignment3-1_<project_name>.pdf through email to your supervisor. The submission deadline is **27th May 2018, 12:59pm CEST**.

Exercise 3-2   Intermediate Presentation

On 19th June, 2018 there will be an intermediate presentation during the regular lecture slot. Each team is provided 10 minutes to give an update on their current status. In particular, briefly summarize what you did so far and what you still plan to achieve. The intermediate presentation is meant to help you reflect on your project and is at the same time an opportunity to discuss alternative directions with your fellow students and supervisors.

For the presentation, please submit your slides as PDF to your supervisor. The submission deadline is **17th June 2018, 12:59pm CEST**.

Exercise 3-3   Paper Draft

Each team is required to submit one written report of the project in the form of a scientific paper. The report should be written **in English**. The templates (ACM SIGCHI) are available from the website. The paper length should not exceed 6 pages (excluding references). Sample reports will be available from the course website.

You are required to submit a draft version until **1st July, 2018, 12:59pm CEST**, per e-mail to your supervisor. The draft version should include the abstract, the section headlines and bullet lists outlining the content that goes into each section. Of course you are free to already submit finished sections. You will receive feedback on the draft from your supervisor in the week after submission.

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Exercise 3-4   Project presentation (slide + poster)

The final presentation will be held in the form of a poster presentation. There will be two sessions, lasting 45 minutes each. In each session, half of the teams will present their work while the other course participants will take the role of the audience and engage in discussion with the presenting teams about their projects. The date will be announced on the course website.

Each session will start with a 1-minute madness, where each presenting group will pitch their project in 60 seconds (hard time limit!). Groups are expected to design <u>one slide</u> that will be shown during the madness slot. You can use the template provided on the website or use your own design.

As for the presentation: be creative! The goal is to make as many people be interested in your work as possible.

Following the madness session, there will be approximately 45 minutes of poster presentations. Posters are expected to be in DIN A1 portrait format and need to be setup prior to the madness session (poster walls and power strips will be provided). The poster should support the discussion of the project and outcomes with other course members and the invited staff. Examples are available from the course website

Submission: Submit your poster as a PDF, named "assignment3_<project_name>_poster.pdf", as well as your slide, named "assignment3_<project_name>_slide.pdf" through email to your supervisor with subject "Assignment 3 – Poster/Slide". The submission deadline is **5th July 2018, 12:59pm CEST**.

Exercise 3-5   Scientific article about the project

The final version of your scientific article is due 24th July. Please submit both the PDF and source files via email to your supervisor.

Submission: Submit your article as a PDF, named "assignment3_<project_name>_report.pdf through email to your supervisor with subject "Assignment 3 – Report". The submission deadline is **24th July 2018, 12:59pm CEST**.

Timeline

15.05.2018	Topic Distribution
22.05.2018	Holiday
27.05.2018	**Deadline:** Exercise 3-1, Related Work
29.05.2018	Lecture: Research Methods in Usable Security
05.06.2018	Individual team meetings with supervisor
12.06.2018	Individual team meetings with supervisor
17.06.2018	**Deadline:** Exercise 3-2, Slides for intermediate presentation
19.06.2018	Lecture: Intermediate Project Presentations
26.06.2018	Lecture: Presentation of Scientific Work
01.07.2018	**Deadline:** Exercise 3-3, Paper Draft
03.07.2018	Individual team meetings with supervisor
05.07.2018	**Deadline:** Exercise 3-4, Poster and Slides for Final Presentation

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10.07.2018	Lecture: Final Presentations
24.07.2018	**Deadline:** Exercise 3-5, Final Paper