

Poll@INES

Basic Idea

A small software engineering project with a real world application to teach web technologies and secure programming basics. The 'product' is a **classroom-response-system** which allows teachers and speakers to collect feedback from their audience without counting raised hands. It permits some interaction with a timid or very privacy-oriented audience.

Preamble

'Poll' is NOT an app. It is not developed for smartphones but it can be used on any device. It is crucial that it needs no installation or preparation and can be used by any audience (with internet connection) as is. Speakers must register before use; the only information needed is a valid e-mail address. As opposed to all commercial (especially free) systems 'Poll' does not collect any data at all! So it is compliant with all data privacy laws.

Concept

Speakers and teachers usually present slides which are part of their intellectual property. They can share these slides within campus (e.g. with moodle and alike) or even in public. 'Poll' does not affect these slides at all which is different from some free classroom response systems which try to integrate the slides thus stealing the intellectual property of their users. 'Poll' just digitizes the "raised hands count" of an audience with internet access - not more and not less.

Example

Just add a Question and/or a list of possible answers to your slide deck:

Poll@INES

The guy in the picture is looking...

- A) at a shark
- B) at a dolphin
- C) old...

<http://ines-hslu.org/poll>

Code: Mak



The audience uses their browser to take part in the poll by navigating to the url. It is possible that several speakers use Poll at the same time.

So the audience has to select the teacher's code before voting (a dropdown list will appear

Poll@INES Select teacher Control (teachers only) Register

Select

Teacher:

Mak ▾

- Abc
- Bbb
- Mak

Submit

when several polls are active at the same time):

After selecting the teacher's code each participant in the audience can vote as many times as convenient. Only the last answer will be taken into consideration:

Poll@INES Select teacher Control (teachers only) Register

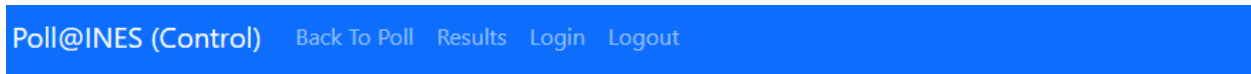
Teacher Mak is active with 3 options.

- A
- B
- C

Your choice 'B' for teacher 'Mak' has been noted.

Instruction for Teachers

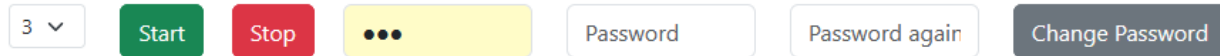
The 'Control' Section is only available to registered teachers. Registration is possible only inside INES network and for INES email addresses. Use the 'Register' option in the main menu.



Teacher: Options:

Control Panel

Make sure that the students set your Teacher Code "Mak" before starting.



The only parameter you need is the number of answers to the currently displayed question in your slide deck. You start the poll with the green button thus deleting all votes of previous polls (with probably different answer options).

When you stop the poll the votes remain registered but the audience can't change or add votes. You then have time to show the results via the 'Results' menu:



Current Poll Data:

Teacher: Options:

A: 2
B: 0
C: 0

Frozen Image of Poll Status:

(this will not stop the active poll!)



The 'Current Poll Data' is updated every second. It is not recommended to show this to the audience because knowing others' poll data will have an influence on personal decisions. You can take snapshots though by clicking the button while the poll is ongoing (and the live section is still changing).

When you register you can choose a 3-letter code (case insensitive) and you must provide an e-mail address. The code will be tested for uniqueness and the e-mail address must be valid because a temporary password will be sent to it. Make sure that you change this password immediately because it has been sent in clear text. It is of little use to an attacker, though.