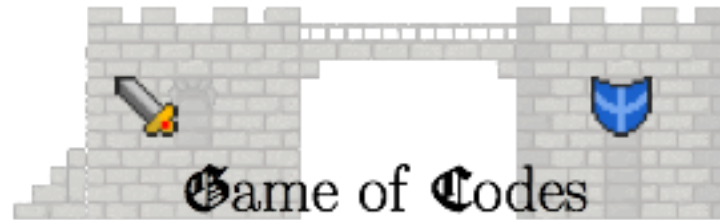# Development project

· There will be an ongoing development/testing project in parallel to the course.

- · Groups of 3 persons.
- · 5 Intermediate presentations.

- **Phase I**: Development of basic functionality
- **Phase II**: Black-box testing of 2 applications
- **Phase III**: Fix application + additional functionality
- **Phase IV**: White-box testing/ Reverse Engineering
- **Phase V**: Fix and final report

You will be able to vote for your favourite presentation in each phase. <u>The best groups will be awarded a prize</u>!

Project Timeline

- No written exam. Only project consisting of 5 phases
- Remember: 6 ECTS = 180 hours of work = 2x15 lectures + 3x15 lab + 105 HW

Phase	Name	Start Date	End Date	Grade %	Minimum Time / Student
1	Development	07.10.14	28.10.14	3/14	22.5 hours
2	Black-box Testing	28.10.14	18.11.14	3/14	22.5 hours
3	Fixing + Development	18.11.14	02.12.14	1/7	15 hours
4	White-box Testing	02.12.14	06.01.15	2/7	30 hours
5	Fixing	06.01.15	20.01.15	1/7	15 hours
					105 hours

Project Rules

- Project must be developed on Samurai WTF VM provided by us
- You are allowed to use only:
  - PHP, C/C++, MySQL for Phase 1
  - Also Java for Phase 3
  - You are allowed to use only GUI frameworks/libraries
  - Not allowed to use CMSs (e.g. Wordpress, Drupal, Joomla, etc.)

- VM must be exported and provided via USB stick at the beginning of the lecture on the end date of each phase as indicated in the table on slide 2

- If a team cannot provide the VM at the beginning of the lecture on the end date of a phase they get 0 points for that phase (NO deadline extensions)

Project Rules (continued)

- Every project phase has deliverables:
  - 10 minute oral presentation in front of class
  - User guide for implemented features or attacks
  - VM containing source code (mandatory for phases 1, 3 and 5)

Phase	Deliverable 1 (30 % of grade)	Deliverable 2 (70% of grade)
1	Presentation + User guide	VM with source code
2	Presentation	Technical guide of attacks
3	Presentation + User guide	VM with source code
4	Presentation	Technical guide of attacks
5	Presentation + User guide	VM with source code

Project Rules (continued)

- Every team member **must present** at least once
  (otherwise s/he fails the course, not the other team members)
- Presentation slides + user guide must be delivered in the same PDF document
- **Time tracking**:
  - Every team member must keep track of how much time s/he spent on which activity
  - Time spent on an activity should be proportional to effort and outcome
  - Back-up slides in presentation should also include table with time-tracking