Workshop 3

Security Countermeasure Modelling
Key Tasks (1)

1. What are security requirements?

   • Each risk identified in workshop 2
     • Write security requirements which should mitigate these risks
     • Security requirements must be written according to the criteria of good requirements

What are security controls which implement security requirements and mitigate the identified risks?

   - Explain shortly how (where) the controls should be implemented in the system
Key Tasks (2)

Role-base access control

2. Write down scenario where Role-base access control policy could be applied in the Scenario, which you selected/analysed in previous Workshops

- Your scenario should include:
  - At least three different roles
  - Data / Form, to which different roles would have different access permissions
Key Tasks (3)

3. Select either SecureUML or UMLsec and model the RBAC policy for scenario written in task 2

If you selected SecureUML it should be clear

• What are objects and their concerned attributes?
• What operations do change the values of the attributes?
• What are roles?
• What are the security actions?
• What are the permissions of roles towards the object?
• Who are the users?

If you selected UMLsec it should be clear

• What are the objects
• What are their operations?
• What are the roles?
• What are the role’s rights?
• What are the associated tags?
• Who are the users?

4. (OPTIONAL!!!) Continue maintaining team management plan

5. Prepare and present your solution
Deadlines

19. May – present your solution to your classmates
   – During lecture time
   – 10 minutes presentation + 10 minutes questions/answers

22. May (at the latest!) – submit your workshop report
   – Do not be late - late solutions will not be accepted

22. May – post-workshop III questionnaire released

25. May (at the latest!) – submit post-workshop III questionnaire
Evaluation

• Workshop 3 presentation – 5 points
  – The grade will be given after the presentation

• Post-workshop 3 questionnaire – 2 points

• Final Workshop Report – 30 points
  – Should include all 3 workshop solutions
    It must be consistent