Workshop 3

Role-based access control
Task 1

• 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
Task 2

• Define the SecureUML model representing role-based access control policy regarding the scenario defined in Task 1

To guide your solution, consider
• 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?
Task 3

- Define the UMLsec model representing role-based access control policy regarding the scenario defined in Task 1

To guide your solution, consider
- 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?
Task 4

Explain what RBAC policy concerns are captured in your...

... SecureUML model and \textit{not} in the UMLsec model

... UMLsec model and \textit{not} in the SecureUML model
Tasks and Steps

5. Prepare report with the answers to the above tasks
   – Your report can be a part of workshop solutions 1 and 2 (*highly recommended*)

6. Record 3-5 minute presentation of Workshop 3 solution

If it is useful for the team (e.g., based on experience from workshops 1 and 2) – use and maintain the *Team management plan* (not mandatory)
Submission

• Submit report as the **PDF** file using Upload function in the course Website
  – If multiple files – create a ZIP file of the PDFs.
• Email the link to presentation to **rma@ut.ee** with the email
  (please submit your presentation link by the 12.May, so that it could be added to the course Website, be used during the sessions on the 13 May)
  Subject: [SSD-workshop3]

Submission deadline of the Final report (including solutions to Workshop 1, 2, 3 tasks):
  23:59, 14 May 2021
Final Report
FINAL report

• From the beginning of the semester you have analysed one scenario – so the final workshop report should include solutions to workshop 1, workshop 2 and workshop 3 *wrt* this same scenario
  – It is perfect if all three solutions are submitted at the same time (as workshop 3), in the same document
  – It is perfect if three solutions are submitted in a ZIP file (of PDFs of each separate workshop solution)

• All solutions must be syntactically correct and semantically consistent

Submission deadline: 23:59, 14 May 2021
Submit using the course Website,
Submission of Workshop 3 = Final Report
Remaining Course Schedule

6. May – consultation of the workshop 3 tasks, preliminary solutions (quick) review

13. May – presentations of workshop 3 solutions

20. May – course summary; discussions if any Q/A about the overall workshop report