DTEvisual Evaluation-CS4411

1 DTE Language and Operation

For each statement, please determine if you agree with the statement. Circle one of the choices.
(5=Strongly Agree, 4=Agree, 3=Neutral, 2=Disagree, 1=Strongly Disagree)

1. The DTEvisual General Graph helped me to understand the access restrictions given by a policy expressed in DTEL.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

2. The DTEvisual Type Graph helped me to understand the assignment of type to files expressed in a DTEL policy.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

3. The DTEvisual query mode helped me to understand how the static flag impacts type assignments for files created by a running process.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

4. The DTEvisual query mode helped me to understand the difference between the auto and exec mode for domain transitions.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

5. DTEvisual helped me to understand how to correctly modify an existing specification to accommodate new access control restrictions.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

2 Access Control

1. The use of DTE helped me to understand the balance between application of the principle of least privilege and policy complexity.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

2. The DTE Bell-LaPadula example helped me to understand the Bell-LaPadula model for access control.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

3. The DTE RBAC example helped me to understand the RBAC model for access control.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree
3 General

1. The DTE query mode was helpful for my self-study.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

2. I understood the policy given by a DTEL specification better after I was able to use the software.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

3. The DTEvisual software helped me to find mistakes in my DTEL specifications.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

4. The DTEvisual software enhanced the course.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

4 Graph Representation

1. The representation and layout of the domain graph is easily understandable and unambiguous.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

2. The representation and layout of the type graph is easily understandable and unambiguous.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

3. The use of colors in the visualization can easily distinguish different items.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

4. The font size in the visualization can easily distinguish different items.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

5. The width of edges is reasonable and clear.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

6. The labels on edges are easy to read and unambiguous.
   1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree
7. In general, edge intersections do not obstruct the meaning and understanding of the domain graph.

1=Strongly Disagree  2=Disagree  3=Neutral  4=Agree  5=Strongly Agree

Please answer each question.

1. This program was only designed for a small number of domains and types. Did this restriction have an impact on your learning?

2. Please evaluate and comment on the abstraction of a DTE specification using the general graph.

3. Please evaluate and comment on the general graph representation (layout pleasantness in terms of edge crossing and space utilization, color, font, node size, edge label etc.).
4. Please evaluate and comment on the abstraction of a DTE specification using the type graph.

5. Please evaluate and comment on the type graph representation (layout pleasantness in terms of edge crossing and space utilization, color, font, node size, edge label etc.).

6. Please evaluate and comment on the use of the query mode for specification analysis.

7. Are there any new features you wish to be added to make this program better and more effective?
8. How often did you use this software when studying DTE?

9. What is your major?

10. Did you encounter any problems when installing the software on your computer? Please explain.

11. Are you comfortable with the execution speed of the system? If you are not, please let us know the system configuration such as CPU speed, memory size, operating system, etc (or a lab machine name) so that we could pinpoint the problem(s) easily.