RBACvisual Evaluation

(Real) Name: _____

We would like to use an anonymous copy of your responses to evaluate security education software we are developing. Please put your real name on this title page and put the pseudonym you selected on the following page. This page containing your name will be detached after your extra points are given.

Pseudonym: _____

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 Specification and Operation

1. The Matrix View helped me understand the access restrictions given by a policy expressed in an RBAC specification.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

2. The Hierarchy View helped me understand the access restrictions given by a policy expressed in an RBAC specification.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

3. The Toolbox made it easy to create and edit a specification.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

4. The Context Menu shown when a node is right clicked in Hierarchy View is convenient for specification editing.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

5. The Query section was helpful for studying an RBAC policy.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

6. RBACvisual helped me 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 Graph Representation

1. The representation in Matrix View is easily understandable and unambiguous.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

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

3. The Hierarchy View makes it easy to understand the effect of role inheritance.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

4. The operations prorvided

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

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

3   General

1. I understood the policy given by a RBAC specification better after I used the software.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

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

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

4. The software was easy to use.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

4   Software Performance and Usage

1. How long did it take you to understand the RBAC model using the software?
   1=Less Than Five Minutes   2=Five to Ten Minutes   3=Ten to Fifteen Minutes
   4=Fifteen to Thirty Minutes   5=More than Thirty Minutes

2. How many times did you use the software when studying the RBAC model?
   1=Only Once   2=One to Three Times   3=Three to Five Times
   4=Five to Ten Times   5=More than Ten Times

3. How long did you use this software in total?
   1=Less Than Five Minutes   2=Five to Fifteen Minutes   3=Fifteen to Thirty Minutes
   4=Thirty Minutes to One Hour 5=More Than One Hour

Please answer each question.

1. What is your major?

2. Please evaluate and comment on the the Matrix View representation of RBAC specification.

3. Please evaluate and comment on the Hierarchy View representation of RBAC specification.

4. Did the in-class demo help you follow the RBAC model better than the traditional teaching? Please name the most and least effective parts, and provide your comments.

5. Are there any new features you wish to be added to make this program better and more effective?

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

7. Are you comfortable with the execution speed of the system? If 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) easier.