**Security Survey Case**

Security Survey Case implements an application to make Security Auditions for small or middle size companies.

The application has following user roles:

* Small or middle size companies
* Teachers creating the principles for audition
* Students implementing the audition.

The questions in audition are based on National Security Auditing Criteria (KATAKRI) documentation (<http://portal.liikennevirasto.fi/portal/page/portal/f/urakoitsijat_suunnittelijat/investointien_kilpailutukset/bbhk2013/Finnish_National_Security_Criteria_KATAKRI_ver_II_2011.pdf>).

KATAKRI has about 400 questions and is too large to be used with small or middle size companies. The questions are divided to questions groups. Each question should belong to one group only. The teachers teaching security issues are responsible for creating subsets of KATAKRI for Security Surveys. Security Surveys should have 40 – 60 questions. Teachers can create their own questions for surveys if necessary.

Each question can be answered two different ways depending on the question type:

* Qualitative questions are answered by a text sentence only. The length of the text should be long enough for complete answers (at least 200 characters)
* Quantitative questions are with options yes/no/something else and a short comment (no more than 80 characters).

The students implement the Security Surveys in the companies. Each survey is created by one teacher, implemented and pre-analyzed by a student and validated by a supervising teacher. Supervising teacher selects one student for a survey. The student visits the company, asks the questions and records the answers. It is possible that the student have to make several visits to get the answers for all questions. The survey should have options to go thru all questions or only open questions in the survey.

When the company has given all the answers for the survey (some answers can be left out or without answers) it is time to do the analyses for the questions. During the analyses phase the student makes analyses to each question in the survey and

* Gives observer status for the answer
* Creates observer text comment for the answer and
* Select one or none improvement options given by the teacher.

Possible observer status values are the following:

* - 3 Security improvement necessary
* - 2 Security improvement desirable
* - 1 Security improvement optional
* No security improvements necessary
* + 1 Security OK
* + 2 Security better than average
* + 3 Security exceptionally good

When the student has done the analyses for each question the student creates a Survey report for the company. The supervising teacher validates the report before it is sent for the company.

Note:

* Each teacher can create a new question for the survey
* Each teacher can create an improvement for the question
* One question should have 0 – 3 improvements but the total number of improvements should be unlimited
* Each teacher can create a new survey for the system
* Survey Report is created by word processing programs (Microsoft Word). If it is attached to the system it should be saved to the database for security requirements
* Each question can have 1- 3 improvements
* One company can have more than one survey in the database
* Survey data should be saved to the database using encryption
* The application should have a consistent user interface with HAAGA-HELIA logo