

---

# Survey

## Table of Contents

Survey .....	1
Martin Galik .....	1
SurveyEngine.java .....	1
SurveyEngineException.java .....	1
Survey.java .....	1
Question.java .....	1

## Survey

### Martin Galik

I was member of four-member team. Together we did our best to complete our assignment - survey management system. I was responsible for a Java application part, which could be used by the front end side to work with the database.

I worked with Jakub Gavlas and Peter Petkanic to create a user friendly graphic user interface for a survey management system. Used to create new surveys and edit already existing ones.

### SurveyEngine.java

This class works with the xml database, namely the file *survey.xml*.

Class can load a survey from the file and return it, load a map of surveys and their IDs or save a file that is given to it. File is always validated against *schema.xsd* to make sure it's still valid. If a survey is being saved, it's also checked to be correct before it's saved into the file.

### SurveyEngineException.java

Simple exception thrown if anything in *SurveyEngine.java* goes wrong.

### Survey.java

A simple back end entity used to store information about a single survey. Returned from *SurveyEngine.java* when a survey is opened, also passed to the engine when saving a survey.

### Question.java

A simple back end entity used to store information about a single question within a survey.

Uses *QuestionType.java*, which is enumeration to determine the type of a question.