

# RISK ASSESSMENT

This list will provide project managers with a tool for identifying and planning for potential project risks. During the risk assessment, if a potential risk is identified, a solution or plan of action should be developed. Some of the risks will be categorized with the level of risk, such as *low*, *medium* or *high*:

**Low** - Very unlikely that this will occur during the life of the project.

**Medium** - There is a 50-50 chance that this will occur during the life of the project.

**High** - Very likely that this will occur during the life of the project.

Risks that can appear during the life of the project and their possible solutions:

1. *The usage of a Java programming feature that is relatively new to the project team (LOW).*  
**Solution:** A plan based on training, as a team and individually (using tutorials and documentation) should effectively manage the risk.
2. *The size of the project is significantly larger than what the team is used to working on (MEDIUM).*  
**Solution:** Size makes a difference in planning and coordination, so extra time should be spent planning when a project is larger than the team's previous projects.
3. *The incompatibility with the Operating System or one of its components (HIGH).*  
**Solution:** This issue should be solved by the review of some reference installations, by deploying prototypes and analyzing the compatibility.
4. *Three separate teams are developing the modules of the software being delivered (LOW).*  
**Solution:** Because the groups' members are housed at a different location, frequent meetings and remote discussions are strongly required.
5. *The overestimation of our own programming/designing capabilities (MEDIUM).*  
**Solution:** We make a technical analysis of each other and we frequently check the provided prototypes of the members before the modelling of their final product.

6. *The inconvenience caused by the loss of hardware resources (MEDIUM).*

**Solution:** We frequently backup our work by saving on a cloud platform and making hard copies.

7. *The duration of the Scan is longer than expected or isn't in a resonable amount of time. (HIGH).*

**Solution:** The module will have implemented efficient algorithms that can speed up the process of scanning.

8. *The report will not be understandable or it will containt corruped data. (LOW).*

**Solution:** A simple solution of this problem would be the development of a simple and readable XML file that can be interpreted by any program.