Risk Management: Health Care System

Risk Management Plan:

Project can be issued with the following factors:

* Project scope
* Budget issues
* Business issues
* Scheduling
* Technical issues
* Human challenges
* Software issues

There are several organization units, which are responsible for the named factors:

* financial department
* HR department
* software Developer Company (in form of different departments)
* suppliers of software and hardware
* Principle client

All mentioned above challenges will be solved in the ways of:

* increasing financial support
* employing extra workers or evolving other departments to solve the problem
* Extra-hours working or external resources involved in project.

Identifications and analyzing of risks

Key-risks:

* Project’s scope risk.
* The change of demands to the application during the implementation and support-security phases, which might effect on the cost and the schedule deadlines of the project. It can be reasoned by the Principal client; the users of the application, as well as poorly realized preliminary-investigation phase of the project can impacted its realization. It leads to increasing the project‘s cost and deadlines scheduled for its completion.
* Technical risks.
* Development and implementation this application in a lot of Health Care Organization can get a problem in terms of old hardware and software, which conflicts with developed application and needs to be updated. It leads to increasing of the project’s cost.
* Access to the Internet has to be available and reliable for all devices, where current application will be installed, as the new releases of the current project can be provided through the Internet. In future as a Web-application, it can’t function without the Internet, otherwise the system won’t launch at all.

Medium-occur-risks:

* Software risk.
* During the developing of the project, the similar applications might be produced by other companies. Thus, the project might be cancelled or abandoned.

Low-occur-risks:

* Budget issues.
* Project can be under-estimated within the system planning phase. It might lead to decreasing of project’s functionality, cutting its possibilities, delaying some of the realization stages of the project or of the whole project.
* Human issues.
* Project might meet issues taking into account the needs of people in different levels. The end-user, the manager and other participants of the project won’t agree to collaborate with the developer team, or the developer team won’t survey, explain the project’s aims clearly or involve improperly people in development of the project. It leads to problems with extra modeling, prototyping and implementation, thus extra budgeting and scheduling are spent.

Risk response plan:

* Project’s scope risk. Responsible-preliminary investigation team of Software Developer Company. It has to use different approaches in their work, as well as different, simple and clear questionnaires, personal meetings and observing the procedures and tools that take place nowadays in medical institutions. If it occurs, the team has to organize fast and short extra investigations to correlate the project.
* Technical risks. Responsible - preliminary investigation team of Software Developer Company. It has to check all possible devices and software throughout the units, where Application will be installed with technical conclusion of the computers (quantity, price, and upgrade time). The team has to calculate this spending with reserved fund, if there is a need in modernization.
* Technical support team of Software Developer Company checks all the Internet connection within future Database Network and supplies preliminary investigation team with their conclusion. Support team also has to supply alternative possibilities.
* Software risk. Responsible- marketing department of Software Developer Company. It monitors the competitors, their projects, and the possibility of similar upcoming products. Marketing department has to find several available projects in realization in order to replace current ones in case of cancelation.
* Budget issues. Responsible-budget departments both of Software Developer Company and Principal Clients. They calculate, analyze, summarize spending, control financing of the whole project. They are responsible for sharing the reserved fund money to support different phases of the project in case of emergency situations (risk occasions).
* Human issues. Responsible- preliminary investigation team of Software Developer Company, HR Department of the client side. They organize meetings, interviews, surveys, in-person observations and training courses. If there is no possibility to consult the necessary people, they find and organize collaboration with other equivalent participants.

Monitor Risk:

During developing of the project, the regular meetings of all the departments will be organized. Within these meetings, the terms of realizations, (possible) issues, financing and development procedure will be discussed, negotiated and corrected. The new possible risk will be contoured and processed.

Risk Matrix:

