

General Project organization:

Each team 6 team members.

Responsibilities of each group members: Everybody has to participate in all iterations of the project=> I am expecting a somewhat equal contribution.

Responsibilities of the team leader: Regular group members responsibilities + **administrative responsibilities** (E.g.: organizing meetings, making sure that timelines are met, etc

Project description/ Contract description:

Your team is replying to the following advertisement in the Montreal Gazette:

ProfitsRUS is a company which provides financial service software to end-user. The organization supports both online as well as stand-alone desktop applications. ProfitsRUS is a market leader and aims to expand their products with a new **stock market analysis software**

Project description:

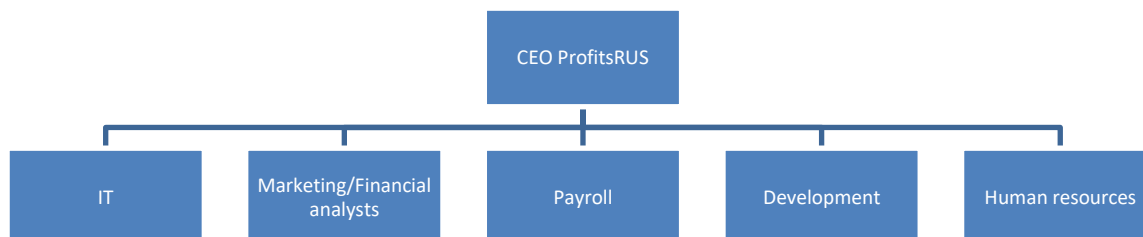
The objective of the project is to provide ProfitsRUS with a new **technical analysis software** for the stock market to guide user's during the decision making **whether to buy or sell a stock**. The software should be based on existing technical analysis techniques to make clear buy/sell recommendations. Among the analysis techniques are MAs. Analysis should be performed for one stock at the time.

Programming language: Java

Responsibilities of the consultant company:

- Provide analysis, specification and necessary documentation, including a cost estimation.
- An iterative development cycle should be followed.
- Design and implementation of the information system

Organization Chart of **FactsRUS**



Technical Analysis of Stocks

The methods used to analyze securities and make investment decisions fall into two very broad categories: fundamental analysis and technical analysis.

Fundamental analysis involves analyzing the characteristics of a company in order to estimate its value.

Technical analysis takes a completely different approach; it doesn't care one bit about the "value" of a company or a commodity. Technicians (sometimes called chartists) are only interested in the price movements in the market. Technical analysis is the study of financial market action. The technician looks at price changes that occur on a day – to – day or week – to – week basis or over any other constant time period displayed in graphic form, called charts. Hence the name chart analysis. A chartist analyzes price charts only, while the technical analyst studies technical indicators derived from price changes in addition to the price charts

For more information:

[https:// www.credit-suisse.com/pwp/pb/pb_research/technical_tutorial_de.pdf](https://www.credit-suisse.com/pwp/pb/pb_research/technical_tutorial_de.pdf)
(in particular pages 1-15 – focusing on Moving averages)

and

[http:// i.investopedia.com/inv/pdf/tutorials/technicalanalysis.pdf](http://i.investopedia.com/inv/pdf/tutorials/technicalanalysis.pdf) (in particular section 1-4 + 10)

Deliverable #1 – Due Date: 22/1/2017 at 23.55

- a. Identify questions you would like to ask each department manager to help you **identify all the requirements**. Please make sure that have short and precise questions.
- b. Submit them through Moodle (only one submission per group).