**Using the requirements below do next:**

- perform the requirements analysis (use criteria of good requirements)

- mark and evaluate defects

- write questions to Customer (up to 5 questions).

**Task \*: Rewrite the requirements without bugs**

**Subject: Group\_N Home\_Task #3**

**Requirements for the application under development**

**General terms and conditions: the application must perform mathematical calculations.**

Requirements to a «File Searcher»

1. The application «File Searcher» (FS) is made for auto search of files according to the chosen template.

2. The app must be written on Delphi 7 and be able to work on Win XP and Win 7.

3. A logic directory or a set of directories is declared for the search. FS scans automatically the directories in order to estimate if the nesting level is unrestricted and shows all the files on the right panel. (pic 1)

4. There are three types of files which can be searched (the search is made manually or with the help of combo-box “Search for”):

a. Audio files (mp3, ogg, wav, mid).

b. Video files (avi, mpg, mpeg).

c. Office files (doc, docx, xls, xlsx).

5. The following is displayed for all the found files:

a. Name.

b. Absolute path.

c. Size.

d. Date and time when a file was created.

e. Fist thumbnail screenshot.

6. Capacity.

a. FS must be able to search for at least 500 files a second taking into consideration that the speed of disk write/reading is above 50 Mbps.

b. The app mustn’t start working in case when the operation time is more than an.

7. Language support capabilities.

a. The app must support Russian and English languages in default.

b. There also must be a possibility to add other languages.

8. Logging.

a. FRS must log its operation.

b. Logging stops when the size of it is more than 1 MB.

c. A current directory which is being analyzed must be displayed in “Checking…” in the bottom of the screen.

9. File System support:

a. All the File Systems must be supported Windows and UNIX.

b. The app must blow up the operation in case when unsupported File System is found.

10. Network support must be available.