**Please send your work to** [**svyatoslav\_kulikov@epam.com**](mailto:svyatoslav_kulikov@epam.com) **with subject “Requirements Analysis Home Task”. The deadline: November 14, 17:30:00.**

**Analyze this set of requirements, find and categorize defects, write questions to the Customer.**

Please make your work layout effective, efficient and collaboration friendly.

*Additional (OPTIONAL! NON-MANDATORY!) task: re-write this set of requirements as if you have all answers to your questions. Make the final version as good as possible.*

**«File Searcher» requirements specification**

1. The «File Searcher» (FS) application should automatically search for files using a given pattern.
2. The app should be written with Delphi 7 for Win XP and Win 7.
3. To search for files user should enter the starting directory (or directory set). FS then automatically scans directories for unlimited nesting depth and displays found files on the right panel (see screenshot 1).
4. Three types of files are available for the search. User may enter a file type manually or select is from “What to search” combo box.
   1. Audio files (\*.mp3, \*.ogg, \*.wav, \*.mid).
   2. Video files (\*.avi, \*.mpg, \*.mpeg).
   3. Office files (\*.doc, \*.docx, \*.xls, \*.xlsx).
5. For each found file the app should display:
   1. #
   2. Name.
   3. Full path.
   4. Size.
   5. Creation datetime.
   6. Screenshot with the first frame.
6. Performance.
   1. FS should search for at least 500 files per second (assuming the read/write disc access speed is more than 50 Mb/sec).
   2. If expected overall operation time exceeds 1 hour, the app should not start its work.
7. Language support.
   1. The app should support Russian and English languages by default.
   2. There should be an option to add new languages.
8. Logging.
   1. FRS should log its work.
   2. The logging should stop when the log size exceeds 1 MB.
   3. Currently analyzing directory name should be displayed in “Currently analyzing” section at the bottom of the screen.
9. File system support:
   1. The app should support all file systems available for Windows and UNIX.
   2. If an unsupported FS is detected, FS should perform the emergency shutdown.
10. There should be network support.

Screenshot 1.

