RD Technical Task

Task - Laravel

**Task Duration:** 3 Days

**Task Tools:** Php, Laravel, OpenSSL

**Task Details:**

Implement a web application by Laravel to do the following scenario:

1. Allow user to select any file existing on his computer.
2. Show details (file name, file size, file extension) of the selected file on the application’s main window.
3. Allow user to do the following operations “using OpenSSL library” on the selected file:
   1. Encrypt: allow user to encrypt the plain file using :
      1. AES “Advanced Encryption Standard” algorithm
      2. 256 bits key size
      3. CBC mode
   2. Decrypt: allow user to retrieve the plain file from the encrypted one.
4. Allow user to select the name and location before saving the encrypted/decrypted file.

**Task Evaluation:**

1. **Completeness**: The software works exactly as described in task.
2. **Self-learning:** While presentation you should provide us with web/book references you use to build the solution.
3. **Performance and Code Size Optimization:** While presentation you should clarify your effort to enhance the speed and to decrease the code size and memory usage.
4. **Software modularity:** While presentation you should clarify how to make your code reusable for other programs.
5. **Code and comments quality**
6. **UI design**