

Task:

Create Flask application.

Application details:

1. Application should have single GET route.

2. On call to this route application need to read content of given file (see file1.txt) and return it in JSON format as follows:

```
{
    "file_read": <file name>,
    "number_of_lines_read" : <count of lines read>,
    "lines" : [<array of lines read>]
}
```

3. [extra] Endpoint should accept target file name as optional variable part of URL (see variable routes, variable URL rules in Flask) and default to file1.txt if no argument provided.

4. [extra] Endpoint should accept optional URL query parameters to specify start line number and end line number. If those parameters present – return only part of file between specified line numbers. If parameters absent – return all lines.

5.[extra] Think of some exceptional cases that may occur in your application while user uses it. Provide exception handling for most likely exceptions.

Deployment requirements:

1. [extra] Flask and any other libraries used should be contained in python virtual environment and listed in file REQUIREMENTS.txt.

2. [extra] Your code and REQUIREMENTS.txt should be under Git version control system and submitted to Github or Bitbucket.

OR

Provide us your solution in ZIP file.

Best of luck!

If you have questions or need clarification of the task and also if you really need a hint or two - feel free to reach us via Skype.