**Code Challenge/ Pseudo Code Challenge**

**How to approach exceptions in API and in which situations**

**How would you go about implementing a spring endpoint with the following?**

**Assumptions**

We have a multi threaded application that allows authenticated users to upload files using the html file input type form field. Each form submission (upload) starts its own thread on the backend.  Please elaborate on how you would log details from the backend that will allow you to understand what’s going on with various uploads.

**Acceptance Criteria : Spring boot rest endpoint that is used to upload a file.**

1. The application log should sequentially record:
   1. the user
   2. file upload status
   3. any errors (The application log should also record a list of all threads that have failed.)

Please elaborate any logging configurations to log all the data points.

**Frontend Elaboration (Code not required)**

With an angular upload component what considerations would need to be made to support multi threaded uploads?