Coding Challenge

Question3 : what are the key things you would consider when creating/consuming an API to ensure that it is secure and reliable?

Answer: First thing i have to consider is exception so i have consider category exception.Sometimes user enter the small letter or all capital letter in category so to check that i have converted both string to lowercase and also in JSON some entries are special character so i use split method that present in spring and i check only first word of that string.

To secure this application we have to use the spring security and exception so that your application will work smoothly.

Theoretical Challenge

1. How will you tackle the challenge above?

Ans: First I will read the file and split by using comma(,) then I will store it in the string array.then i will check that it is integer or character.if that is character then i will store it in map .

2. What type of errors you would you check for?

Ans: When i try to convert the number then it will give the NumberNotFoundException so i have to convert the number accordingly.then I will check for Circular Exception because some time we can get the circular or stackoutofboundexception .

3. How might a user break your code?

Ans:

try {

BufferedReader br = new BufferedReader(new FileReader(".csv"));

while(br.readLine()!=null) {

String[] str=br.readLine().split(",");

HashMap<String,String> hmap=new HashMap<>();

for(String s:str) {

String[] st=s.split(":");

hmap.put(st[0], st[1]);

}

}

} catch (FileNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} catch(IOException e) {

e.printStackTrace();

}

}