EX5 – BACKEND - INSTRUCTIONS

A student has the following properties: an ID, a NAME, and a SKILL

Attributes	Туре	Description
id	Integer	The ID of the student
name	String	The name of the student
favoriteSkill	String	The student favorite skill

Our application can retrieve the student NAME or SKILL by providing his/her ID:

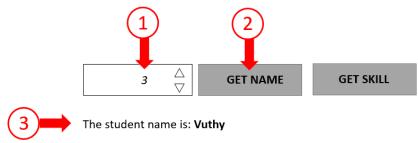
Student ID $\stackrel{\triangle}{\nabla}$ GET NAME GET SKILL	Student ID	\triangle	GET NAME	GET SKILL
--	------------	-------------	----------	-----------

For example, if we have the following 2 students in our data:

Attributes	Value
id	3
name	Vuthy
favoriteSkill	Java

Attributes	Value
id	4
name	Lanh
favoriteSkill	HTML

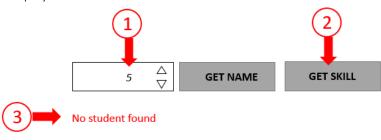
Then the GET NAME button will display VUTHY for ID = 3:



And the GET SKILL button will display HTML for ID = 4:



But for ID=5, we shall display: no student found:



EX5 – BACKEND - QUESTIONS

Note: the server will listen to the port: 3000

[SERVER SIDE]

- Q1 Write a STUDENT.JSON file with the appropriate student data (create your own data).
- Q2 Complete SERVER.JS to read **STUDENT.JSON**
- Q3 Complete SERVER.JS to manage the following request:

```
GET <YOUR IP>:3000/student_name?id=<STUDENT ID>
```

This request shall return:

{"name": <the student name>} if the student is found {"name": null} if the student if not found

Q4 – Complete SERVER.JS to manage the following request:

```
GET <YOUR IP>:3000/ student_skill? id=<STUDENT ID>
```

This request shall return:

```
{"skill": <the student favorite skill>} if the student is found {"skill": null} if the student if not found
```

[CLIENT SIDE]

Q5 – on STUDENTS.JS, link the button GET NAME and GET SKILL to the appropriate request and display the result on the P #message.

Note: if not student found, display: "no student found" (in red)

