

EX5 – BACKEND - INSTRUCTIONS

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

Attributes	Type	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 


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:






3 









GET NAME



GET SKILL


 The student name is: **Vuthy**

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






4 









GET NAME



GET SKILL


 The student skill is: **HTML**

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






5 


GET NAME

GET SKILL


 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 is 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 is 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)

Get Name

Get Skill

No student found!

Get Name

Get Skill

The student name is: ronan

Get Name

Get Skill

The student skill is: Python