OOP
QUIZ

What does OOP Stands for ?

1   RONAN OGOR PROFESSIONAL

2   OH OH PNC !

3   OUN OR PHANDY

4   OUH OUH… P

OOP GENERAL EVALUATION

You can still succeed !!!!

Quiz 1 + Quiz 2 + Quiz 3	20%
Final exam	50%
Project	30%

OOP FINAL PROJECT

Each student Shall work on something specific

✅ 2 students per team ←

✅ 7 sessions + WEEK END

✅ Deadline to submit : WED 29th

✅ JURY ON THURSDAY 30th (full morning)

What is a Restaurant Management System?

EXAMPLES

Waiter
- ✓ Manage customer order record
- ✓ Manage the tables used by customers

Accounts
- ✓ Calculate the expenses of the customers
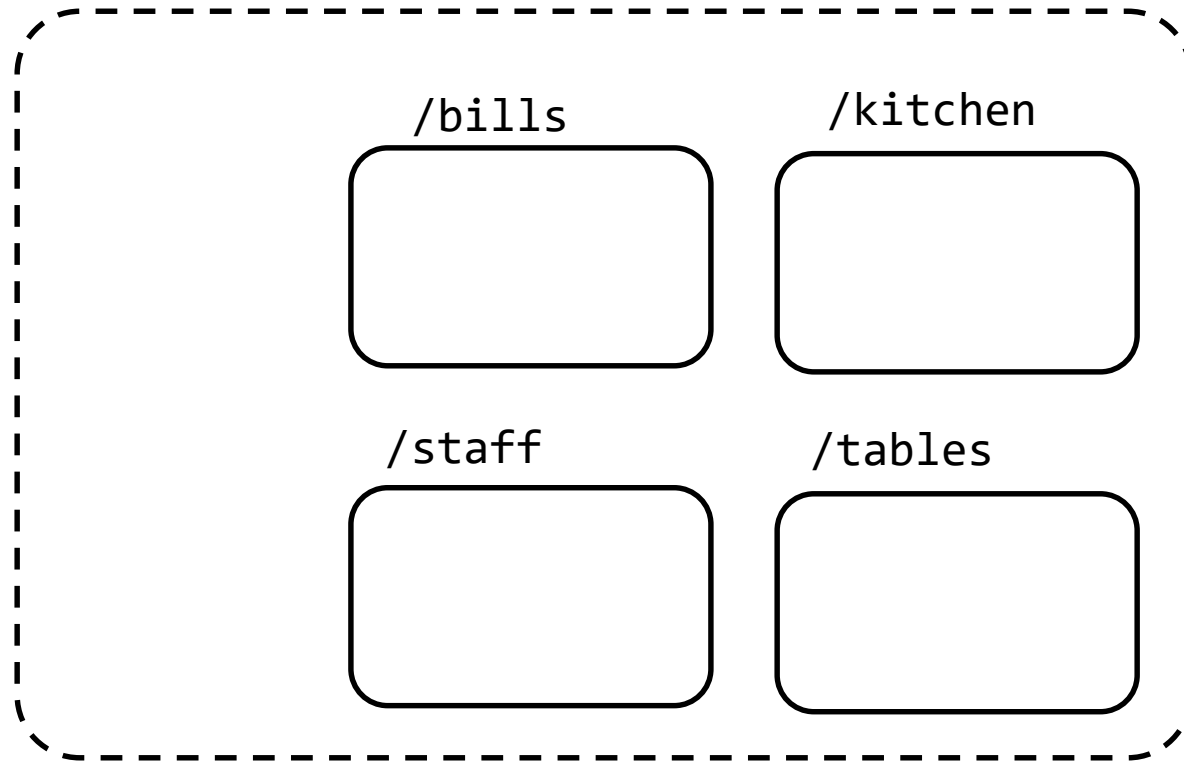- ✓ Calculate the salary of staff in restaurant

Menu
- ✓ Manage the menu, the price of each meal
- ✓ Manage the meals, their ingredients…

BACK-END ONLY APP !!!

YOUR MODEL – PER PACKAGE

YOUR TESTS

/bills

/kitchen

/staff

/tables

/Main.ts

✓ Print on console
✓ Different test cases

WHAT DO YOU NEED TO RETURN ?

DEADLINE

WED 29th

Your UML diagrams as a **PDF** file

Many diagrams are expected !!!

Your project as a **ZIP** file

Must **include the T**EST !!!

OOP PROJECT
EVALUATION

UML DIAGRAMM

TS CODE

5 MIN

PRESENTATION

40 %

30 %

30 %

UML	Able to design **relevant** classes and enums	**50**
	Able to design class properties and relationships Including : private, protected, abstract…	**50**

TS	Able to code the UML into typescript classes	**30**
	Able to manage the **logic of the system**: Example : find the free table for customer, find the free slot time for waiters	**40**
	Able to test **all possible cases in the main** : *Example : display error if no free table*	**30**

PRESENTATION **5 MIN**	Able to **describe your solution and what your system can do**	**40**
	Able to **explain the reasons** of the chosen approaches	**40**
	Clear English + communication	**20**

Run TypeScript using ts-node
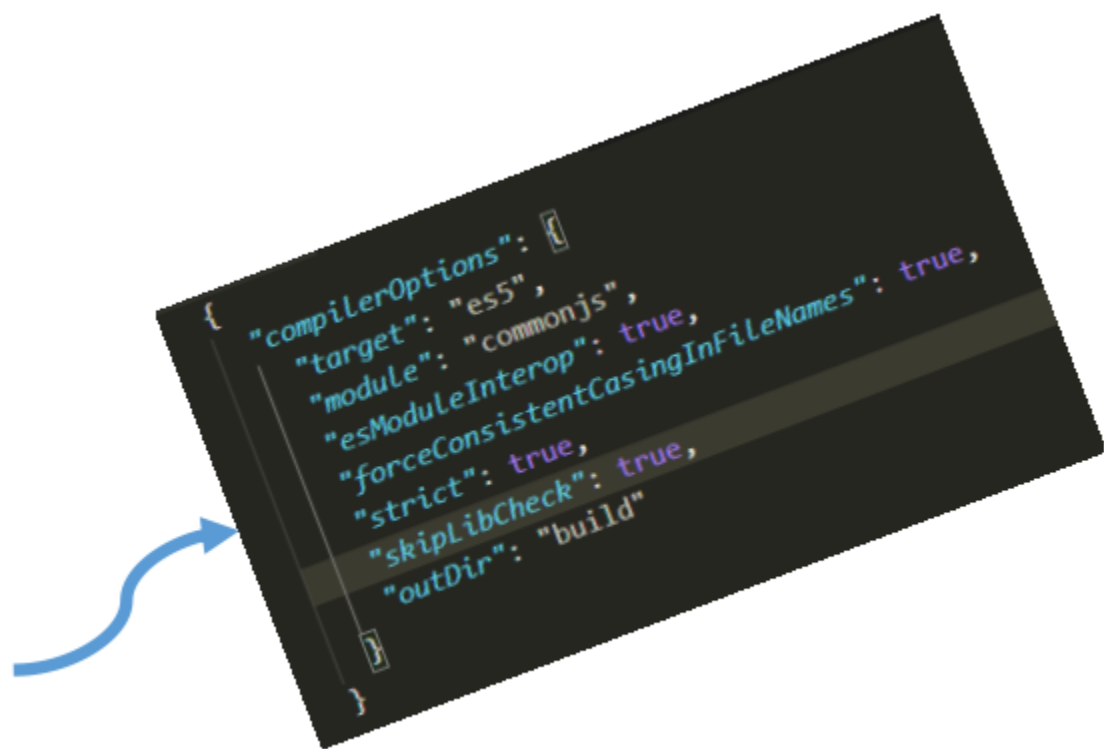
1 – Install TS NODE globally

```
npm install -g ts-node
```

2 – Run your TS

```
ts-node main.ts
```

3 – IT WORKS !

⚠ Your project must have the
tsconfig.json file with the good configuration :

```
{
    "compilerOptions": {
        "target": "es5",
        "module": "commonjs",
        "esModuleInterop": true,
        "forceConsistentCasingInFileNames": true,
        "strict": true,
        "skipLibCheck": true,
        "outDir": "build"
    }
}
```

PUBLIC
PRIVATE

?