

Exercise 4: Cooking Node-les

Due: Sunday, 4/26/20 (But start early while it is fresh)

I would like you to create a kitchen with a couple of different Employees, all doing different tasks for the restaurant (can you tell I was hungry when I wrote this?). Please read each of the instructions for each class to see how you should implement each class.

To start create the following files in a folder called "**Exercise 4**":

- Cook.js
- Server.js
- Index.js

Cook.js:

Create a class that will be able to handle events (think about what you'll have to extend). This class should have the fields in the constructor:

- Name
- IDNumber
- FoodSpeciality
- Salary
- Breaks

The functions you must implement in the class are as follow (you may write more:

- makeFood(food)
 - This should handle take in a string for the food that is looking to be cooked
 - If the food is the same as the food specialty field determined when creating the Object then:
 - Emit an event with the label 'Cooked Correctly'.
 - Else if it is not the same, then emit an event with the label 'I did my best'
- salaryCut(salaryDecrease)
 - If the salaryDecrease value is anything over 10% of the salary then:
 - Emit an event with the label 'Going on Strike'
 - Else:
 - Subtract the wageDecrease from the salary and emit an event with the label 'fine'
- goOnBreak(millisecons)
 - If Breaks is greater than 0, then:
 - Place the system on wait for the time specified, then print out 'Break done!'
 - Else:
 - Print 'No More Breaks Allowed!'

Index.js:

Make sure you export Cook, and import it correctly to be able to use in index.js. In this file, you will be creating an instance of Cook, then handling each of the possible events raised in Cook.js.

Here is how I would like to handle each of the events:

- 'Cooked Correctly'
 - Print out 'Delicious! Put a review in yelp, my ID number is: {insert ID}'
- 'I did my best'
 - Decrease the salary using salaryCut by an amount you decide (hint: test out multiple values here)
- 'Going on Strike'
 - Increase the salary of the cook by 10%
- 'fine'
 - Print out 'I'll raise your wage next paycheck, I promise'

****Please test your code thoroughly!****

Server.js (pun intended):

This part will serve (pun not intended, I swear) more as a check in. Here I would like you to create a server similar to what we did in class. Here are the requirements:

- It should work at port 3500
- When you create the server, use a function to handle the request and response as we demonstrated in "lecture."
- On connection, it should render a webpage with your answer to one of the following questions in at least two sentences (please insert the question at the top before your answer):
 - What three things can you buy at a grocery store that will alarm your cashier?
 - What have you been doing to pass time inside?
 - If you could make a sandwich with only 5 ingredients, what would you choose? Why?