Data Centric Web Applications

Lab 7 ExpressJS II EJS

Question 1

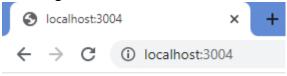
Write an Express JS application that handles HTTP GET requests on 2 routes:

- /
- /employees

and stores the following array of employees:

```
[{ id: "X103", name: "John Smith", salary: 45000 },
{ id: "XT92", name: "Mary Murphy", salary: 41750 },
{ id: "B10C", name: "Alan Collins", salary: 40000 },
{ id: "YY12", name: "Brian Brogan", salary: 43250 }]
```

When a HTTP GET request is received on the / route, the application should send back the following HTML:

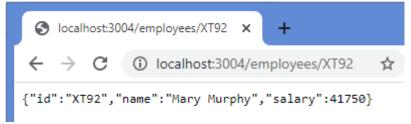


This is Question 1

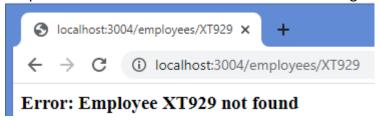
When a HTTP GET request is received on the **/employees** route, the application should send back the array of employees in JSON format:

Question 2

Update question 1 so that if a specific employee ID is sent as a parameter to the /employees route, only that JSON object with the id matching the parameter will be returned:



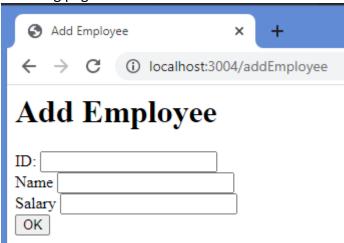
If a parameter is sent that matches no id the following error message is sent:



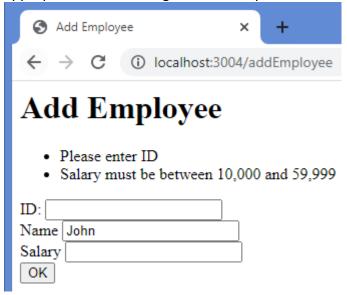
Question 3

Update question 2 so that when the user navigates to / he or she is automatically redirected to /employees.

When the user navigates to **/addEmployee** he or she should be presented with the following page:



An ID should be entered, and the salary should be between 10,000 and 59,9999, otherwise appropriate error messages should be printed:



When ID and Salary (and potentially Name) fields have been successfully entered the user should be redirected back to /employees, where the newly added employee is listed with the other employees.

