

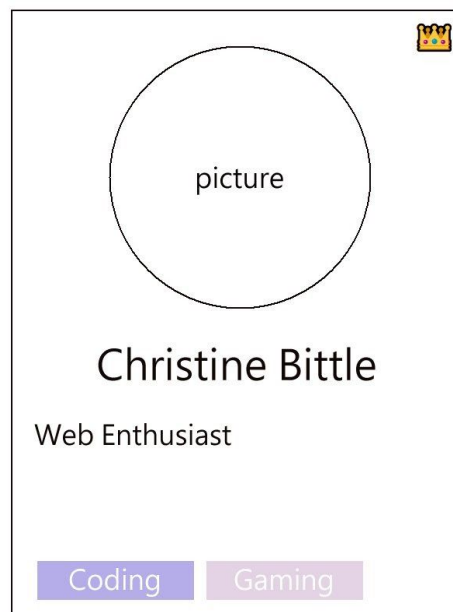
## Coding Interview Part 1

Due: June 5, 2020

### Problem Description

You are to create a “Team Members” page for a website. The initial wireframe is flexible, however, the desktop version for each employee should look similar to the following layout.

*Use pure JavaScript, HTML, and CSS to complete the task. No helper functions, libraries, or frameworks are allowed.*



### Notes

- The top right “Crown” icon should only be displayed if the employee is **featured**
- Each “role” is given a corresponding **color**
- **Images** for employees can be found in <http://sandbox.bittsdevelopment.com/code1/employeepics/{id}.jpg>

## Employee Data

A rudimentary endpoint is coded for you to access employee data. All return types are JSON.

Type	Example	Description
GET	<a href="http://sandbox.bittsdevelopment.com/code1/fetchemployees.php">http://sandbox.bittsdevelopment.com/code1/fetchemployees.php</a>	Returns all employees.
GET	<a href="http://sandbox.bittsdevelopment.com/code1/fetchroles.php">http://sandbox.bittsdevelopment.com/code1/fetchroles.php</a>	Returns all roles.
GET	<a href="http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1">http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1</a>	Returns all employees who are associated with roleid=1
GET	<a href="http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1,3,5">http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1,3,5</a>	Returns all employees who are associated with roleid=1 or roleid=3 or roleid=5.

Refer to *Coding\_Interview\_Handout.pdf* for a description of all 5 topics for each of Quantitative, Qualitative, and Semantic.

	Level 1 (0-25%)	Level 2 (25-50%)	Level 3 (50-75%)	Level 4 (75-100%)
Quantitative  <b>Completeness</b> <b>Readability</b> <b>Robustness</b> <b>Algorithm Design</b> <b>Compatibility</b>	0 - 2 Topics addressed. Does not go in depth.	2-3 Topics addressed. Could be explored further.	3-4 Topics addressed. Satisfactory level of consideration for each.	All topics addressed. Strong critical thinking skills demonstrated for each topic.
Qualitative  <b>Code Factoring</b> <b>Scalability</b> <b>Documentation</b> <b>Test Cases</b> <b>Debugging</b>	0 - 2 Topics addressed. Does not go in depth.	2-3 Topics addressed. Could be explored further.	3-4 Topics addressed. Satisfactory level of consideration for each topic.	All topics addressed. Strong critical thinking skills demonstrated for each topic.
Semantic  <b>UI/UX considerations</b> <b>Data Structure</b> <b>Maintainability</b> <b>Directive</b> <b>Scheduling</b>	0 - 2 Topics addressed. Does not go in depth.	2-3 Topics addressed. Could be explored further.	3-4 Topics addressed. Satisfactory level of consideration for each topic.	All topics addressed. Strong critical thinking skills demonstrated for each topic.