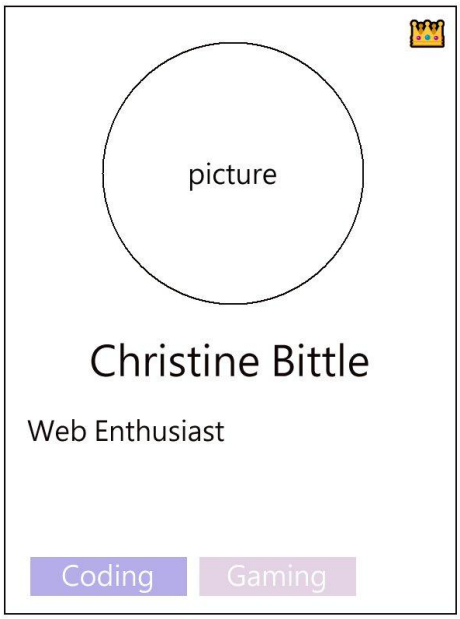
Coding Interview Challenge

You are to create a “Team Members” page for a website. A data access API endpoint is provided (second page), but a web client is needed to access the API and render the data onto a webpage. The initial wireframe is flexible, however, the desktop version for each employee should look similar to the following layout.

*Use **only** 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	http://sandbox.bittsdevelopment.com/code1/fetchemployees.php	Returns all employees.
GET	http://sandbox.bittsdevelopment.com/code1/fetchroles.php	Returns all roles.
GET	http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1	Returns all employees who are associated with roleid=1
GET	http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1,3,5	Returns all employees who are associated with roleid=1 or roleid=3 or roleid=5.

When it comes to a coding interview like this; completing the task is not the only goal. Try to build the MVP first (retrieving and listing information), then see how you can improve upon the codebase and project. See the rubric below for ideas on where to improve.

	Level 1 (0-25%)	Level 2 (25-50%)	Level 3 (50-75%)	Level 4 (75-100%)
Quantitative **Completeness** **Scalability** **Robustness** **Compatibility** **Maintainability**	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 **Code Factoring** **Readability** **Documentation** **Test Cases** **Debugging**	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 **UI/UX considerations** **Data Structure** **Overall Approach** **Algorithm Design**	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.