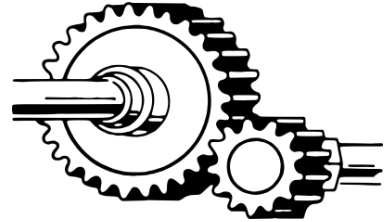


ASSIGNMENT 4

3rd-Party APIs



DESCRIPTION

On your own, pick a popular Web app or service that offers a publically-available API. Create a simple page that demonstrates how to connect with the API using JavaScript. You may follow a simple tutorial that is provided by the same organization that built the API.

INSTRUCTIONS

1. Choose a Web app or service that offers a friendly API with good documentation. If you are unsure whether your choice is appropriate, ask your professor.
2. Find within the documentation, a simple “getting started” section that shows how to obtain a key for the API, how to connect, and how to use it to obtain data.
3. Follow the documentation to create your own demonstration page on a Web server, using your own API key.
4. Learn how to make one or more calls to the API.
5. Output some data or information from the Web service to your page to demonstrate that it is working.
6. Include a link to the tutorial or documentation page that you followed to create your page (very important – this demonstrates academic integrity).
7. Post the URL to **Assignment 4** on Blackboard.

TAKE IT FURTHER

1. Do something beyond the simple “getting started” API connection page.
2. Connect to more than one API to show how 2 services may be combined to make something interesting.
3. Use your imagination – what else might make this application more engaging?

SUBMITTING YOUR WORK

Upload the HTML, CSS and any media files to a web server and then post a link to the document in the assignment on Blackboard. *Your work will not be graded unless it is posted on a web server.*

EVALUATION

Please refer to the chart (assessment rubric) below. You will be graded on *how well* you followed the *assignment instructions* from both a *technical* and a *creative* perspective as spelled out in the rubric. This assignment is weighted in terms of your final mark as indicated on the course syllabus.

Criteria	Mark
TECHNICAL EVALUATION	
HTML, CSS, and JavaScript is valid, properly structured, formatted and commented.	/5
JavaScript is well organized, with appropriate variable names and helpful descriptions for each section of the script.	/5
The page is able to successfully connect to the API.	/5
There are one or more calls to the API that successfully access data and present it visually on the page.	/5
There are additional features and/or functionality that go beyond the basic application requirements.	/5
CREATIVE EVALUATION	
The application is fun, intuitive, and easy-to-use – a pleasurable user experience.	/5
The JavaScript is thoughtfully organized, and it offers a creative solution to the application requirements.	/5
There are other innovative or imaginative elements of the script that go beyond the basic application requirements.	/5
TOTAL	/40