

Web programming SODV1201 Assignment 2

Q1

Get The Weather Using An API

In this question, we ask you create a single web page that is completely self-contained (i.e. does not load any external JavaScript files) and **retrieve the current local weather** using a free online service. There are several free weather service providers available; it's up to you to find one, study its API, figure out what endpoint to use, and write the JavaScript code to retrieve the current weather for Calgary. **You will need to figure out how to decode the response from the API**, which will most likely be a JSON-encoded object. You should retrieve at least the temperature and a description of the weather (e.g. partially cloudy, sunny, snowing, etc). Your web page should display this information, but does not need to be styled at all (i.e. don't waste time making it pretty, just display the weather by updating HTML DOM elements). Do not use **document.write** at all!

Q2.

Make BVC Sport Club Event Registration page

In this question we ask you to create a user registration web page using REST API approach based on the following case study. There are many students and staff who would like to attend the event prepared by BVC Sport club. In order to register for the event everyone have to provide their ID, Full name, Address, their status as student, staff or volunteer. Based on who they are they have to pay a registration fee. The fee range is as follow, if it is student the fee will be 10\$, if it is staff they fee will be 50\$ and if it is volunteer the fee will be 0\$. When they register on the page they get a confirmation message with the detail information they completed right away. All the users registered using your form should be stored as local file for future use.

Q3

In this question we ask you to create a simple API that can be used to retrieve all user information who are registered to attend BVC sport club event that you have created on Q2

Assignment Type: **Individual**

Naming: Keep all your files inside one folder named **A2_YourName**

Submission: **Single .zip file containing HTML file to D2L dropbox**

D2L Dropbox: **Assignment Dropbox:**

HOW TO GET TOP MARKS

Write clear, clean, and readable code with adequate whitespace; use meaningful variable names; demonstrate code hygiene; ensure there are no spelling, grammar, or sentence structure errors; test carefully; use a consistent visual style; avoid submitting incomplete or superficial work; don't plagiarize; follow submission guidelines properly and submit on time!