

Project

Due Monday Jan 19th, 2019 – at midnight

Late policy: 10%/day, maximum 2 days

Part 1

=====

- Create and Validate HTML 5 form as displayed in the picture:

Part 2

=====

Modify Part 1 to add the AccuWeather 5 days weather forecast for Montreal.

Login

Email Address

Password

Login →

Weather in Montreal for the next 5 days!

- [2018-07-18T07:00:00-04:00](#)
Max: 24.6C Min: 15.5C
Day: Sunny Night: Clear
- [2018-07-19T07:00:00-04:00](#)
Max: 27.6C Min: 17.5C
Day: Sunny Night: Mostly clear
- [2018-07-20T07:00:00-04:00](#)
Max: 30.9C Min: 19.5C
Day: Intermittent clouds Night: Partly cloudy
- [2018-07-21T07:00:00-04:00](#)
Max: 30.8C Min: 17.9C
Day: Sunny Night: Partly cloudy
- [2018-07-22T07:00:00-04:00](#)
Max: 26.2C Min: 18.9C
Day: Showers Night: Showers

Today's message: "in init"
Today's date: Thu Jul 19 2018
Time now: 2:04:42 AM

Login

Email Address

Password

Login →

Today's message: "in init"
Today's date: Thu Jul 12 2018
Time now: 4:09:42 PM

TODO:

=====

1. Modify the html by adding a new div after the submit type.

```
<div class="weather-container">
```

```
    <ul id="weather-list">Weather in Montreal for the next 5 days!</ul>
```

```
</div>
```

You will append a new to it using AJAX.

2. Create a free account at AccuWeather to get your unique API key.

<https://developer.accuweather.com/packages>

3. Create an APP in:

<https://developer.accuweather.com/user/me/apps>

Then you will be given the API Key which you will need later.

Warning: you only get 50 AJAX request per day for a free account.

4. Familiarize yourself with the APIs such as:

City Search API:

<https://developer.accuweather.com/accuweather-locations-api/apis/get/locations/v1/cities/search>

5. 5 Days of Daily Forecasts API:

<https://developer.accuweather.com/accuweather-forecast-api/apis/get/forecasts/v1/daily/5day/%7BlocationKey%7D>

6. Study the Request URL and Response details

7. Create login.js and create the AJAX request

8. Your URL should be like:

var url =

```
'http://dataservice.accuweather.com/forecasts/v1/daily/5day/56186?apikey=YOURKEY&metric=true';
```

Replace YOURKEY with the provided apikey.

The number 56186 is the city key found in the City Search API when searching for "Montreal, Canada".

9. Returned JSON object from City Search API

```
[
  {
    "Version": 1,
    "Key": "56186",
    "Type": "City",
    "Rank": 25,
    "LocalizedName": "Montreal",
    "EnglishName": "Montreal",
    "PrimaryPostalCode": "H3A",
    "Region": {
      "ID": "NAM",
      "LocalizedName": "North America",
      "EnglishName": "North America"
    },
    "Country": {
      "ID": "CA",
      "LocalizedName": "Canada",
      "EnglishName": "Canada"
    },
    "AdministrativeArea": {
      "ID": "QC",
      "LocalizedName": "Quebec",
      "EnglishName": "Quebec",
      "Level": 1,
      "LocalizedType": "Province",
      "EnglishType": "Province",
      "CountryID": "CA"
    },
    "TimeZone": {
      "Code": "EDT",
      "Name": "America/Montreal",
      "GmtOffset": -4,
      "IsDaylightSaving": true,
      "NextOffsetChange": "2018-11-04T06:00:00Z"
    },
    "GeoPosition": {
      "Latitude": 45.504,
      "Longitude": -73.575,
      "Elevation": {
        "Metric": {
```

10. Returned JSON object by the 5 Days of Daily Forecasts API

```
{
  "Headline": {
    "EffectiveDate": "2018-07-22T08:00:00-04:00",
    "EffectiveEpochDate": 1532260800,
    "Severity": 5,
    "Text": "Expect showers Sunday",
    "Category": "rain",
    "EndDate": "2018-07-22T20:00:00-04:00",
    "EndEpochDate": 1532304000,
    "MobileLink": "http://m.accuweather.com/en/ca/montreal/h3a/extended-weather-forecast/56186?unit=c&lang=en-us",
    "Link": "http://www.accuweather.com/en/ca/montreal/h3a/daily-weather-forecast/56186?unit=c&lang=en-us"
  },
  "DailyForecasts": [
    {
      "Date": "2018-07-18T07:00:00-04:00",
      "EpochDate": 1531911600,
      "Temperature": {
        "Minimum": {
          "Value": 15.5,
          "Unit": "C",
          "UnitType": 17
        },
        "Maximum": {
          "Value": 24.6,
          "Unit": "C",
          "UnitType": 17
        }
      },
      "Day": {
        "Icon": 1,
        "IconPhrase": "Sunny"
      },
      "Night": {
        "Icon": 33,
        "IconPhrase": "Clear"
      },
      "Sources": [
        "AccuWeather"
      ],
      "MobileLink": "http://m.accuweather.com/en/ca/montreal/h3a/daily-weather-forecast/56186?unit=c&lang=en-us",
      "Link": "http://www.accuweather.com/en/ca/montreal/h3a/daily-weather-forecast/56186?unit=c&lang=en-us"
    }
  ]
}
```

11. Improve the look of the page by making the date more readable.

Deliverables

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- **Work ALONE.**
- **Reference with links and explanations if you used code from online.**
- **Make sure your solution folder contains:**
 - Login.html
 - js\login.js
 - js\jquery.min.js
 - css\styles.css
- **Compress the entire project folder and submit it on Lea. If the zipped file is bigger than 25MB then: use 7zip compression level Ultra and split to volumes of 25 MB each. It will create 2 or more 7zip files. Upload one by one on Lea (limit per file is 25 MB).**
- **Compress this entire folder into a ZIP file (retain the tree structure please!) and submit this on LEA**