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This assignment is due on 8 April 2020

You must submit according to the instructions by the word. Please make sure you also **name your files correctly.**

Please submit a single ZIP for each assignment. Handwritten submissions and proprietary formats (e.g. Pages or MS Word) will not be accepted. <u>You will need to include the files as instructed in the ZIP package.</u>

Lab 8: Javascript & More

1. Task 1, Raphaël Logo

    Your task here is to use Raphaël library to draw a series of clouds.

    1. Create a folder called `task1`. The following steps need to be carried out inside this folder.

    2. Create a new HTML file named `index.html`, and inside it **draw 3 `div` in the centre** measuring `200pt` to `100pt`. Call these `div`s `cloud1`, `cloud2`, and `cloud3`.

    3. Create a new Javascript file named `control.js`, attach `control.js` to the `head` section of `index.html`

    4. Inside `control.js` write the necessary code to draw 3 different clouds in cloud1, cloud2, cloud3 (one each). Your clouds must be different from one another and must be distinguishable as clouds, you may google cloud logos for references. You must draw using Raphaël library.

2. Task 2, Simple animation.

    Now, you need to make your clouds in `task1` move around like actual clouds in the sky.

    1. Create a folder called `task2`. The following steps need to be carried out inside this folder.

    2. Copy everything you have in `task1` here.

    3. Write the necessary code to make the clouds move at different speeds repeatedly. Your clouds must move horizontally and must move repeatedly. You clouds must move at a different pace.

        Hint: try this on an element with class `object`

        ```
        .object {
          animation: MoveLeftRight 1s linear infinite;
          position: absolute;
          left: 0;
          bottom: 0;
        }

        @keyframes MoveLeftRight {
          0%, 100% {
            transform: translateX(0);
        ```

```
                }
                50% {
                  transform: translateX(-100px);
                }
              }
```

3. Task 3, Design your resume.

    It is common nowadays for people to host their resumes on the internet.

    1. Create a folder called `task3`. The following steps need to be carried out inside this folder.

    2. Design a resume for a fictional person named Johnny Hottub. Create some interesting story and experience for this person. Include at least an SVG logo. Make sure to take full advantage of what you have learned in HTML + CSS.

    3. For a simple reference, you can see this https://shavarani.github.io

    4. Do some simple Javascript animation on the resume, it can be absolutely anything (like a rolling banner or something, use your imagination).

4.   Submission format

- Your submission should be a single ZIP file named after your student ID. (e.g., for student ID 123456, I should submit 123456.zip)

- File structure inside the zip file:

  – `task1`

    – `index.html`

    – `control.js`

  – `task2`

    – `index.html`

    – `control.js`

  – `task3`

    – `index.html`

    – `anything you need, css javascript files, etc.`

- Failure to comply to the submission format will lose you all marks.