

## APIs

---

This worksheet aims to explore the API available locally in the browser and on-line to demonstrate the store and retrieve a JSON object using a simple PUT and GET.

### 1) MY FIRST SESSION STORAGE PAGE

- Create the folder "CAD/Worksheets/06-API/part-1" and copy the pages and css folders from last class;
- Adapt your Javascript code to store the state of the buttons and the time when the buttons were toggled in the browser session

```
use sessionStorage.setItem('sensorX_time', 'YYYY-MM-DDTHH:mm:ss.sssZ');
```

- What happens if you close the browser
- Change to a more persistence storage
- Check if the solution is HTML compliant;
- Commit and push your changes to the remote repository.

### 2) HOME SWEET HOME CLOUD

- Use the Firebase API to store and fetch the the state of the buttons and the time when the buttons were toggled:

To store the values use the HTTP PUT method and to fetch the GET method

Create a Firebase project<sup>1</sup> or use this URL for this class

<https://ipleiria-marcelino.firebaseio.com/dad2020/<your-student-number>.json>

---

<sup>1</sup> <https://firebase.google.com/docs/reference/rest/database>