

APIs

This worksheet aims to explore the API available locally in the browser and online to demonstrate the storage and retrieval of JSON objects using PUT and GET requests.

1) MY FIRST SESSION STORAGE PAGE

- Create the folder "CAD/Worksheets/05-API/ " and copy the pages and **js** 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(..., ...)
```

Hint: if you want to store an Object, you can use the methods `JSON.stringify(...)` or `JSON.parse(...)` to convert an object to a JSON String and vice versa.

- 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 state of the buttons and the time when the buttons were toggled.

Hint: To store the values, use the methods PUT, and to fetch, use the method GET

- Create a Firebase project¹ or use this URL for this class
`https://cad2122-default-rtdb.firebaseio.com/05-APIS/<your-student-number>.json`

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