Programmation LocalStorage

En javascript

https://stackblitz.com/

Importer le module

```
//const oiseauDAO = require('./OiseauPreferesDAO');
const LocalStorage = require("node-localstorage").LocalStorage;
//const {LocalStorage} = require("node-localstorage");
```

Creer et detruire le storage

```
//const oiseauDAO = require('./OiseauPrefereDAO');
const LocalStorage = require("node-localstorage").LocalStorage;

async function main(){

    try {

        global.preferesBDD = new LocalStorage('./oiseaux-preferes');



    } catch (e) {
        console.error(e);
    } finally {
        // pour recommencer à zéro
        //global.preferesBDD._deleteLocation();
    }
}

main().catch(console.error);
```

Set et Lecture de valeur

```
//const oiseauDAO = require('./OiseauPrefereDAO');
const LocalStorage = require("node-localstorage").LocalStorage;

async function main(){

    try {

        global.preferesBDD = new LocalStorage('./oiseaux-preferes');

        preferesBDD.setItem('macle','allo');
        console.log(preferesBDD.getItem('macle'));

    } catch (e) {
        console.error(e);
    } finally {
        // pour recommencer à zéro
        //global.preferesBDD._deleteLocation();
    }
}

main().catch(console.error);
```

Atelier DAO

Pour mongo

Appel du module

```
npm install node-localstorage
```

```
const LocalStorage = require('node-localstorage').LocalStorage;
const oiseauPrefereDAO = require('./OiseauPrefereDAO');

async function main() {
  try {
    global.preferesBDD = new LocalStorage('./oiseaux-preferes');

    // FUTUR CODE ICI

  } catch (e) {
    console.error(e);
  } finally {
    // pour recommencer à zéro
    //global.preferesBDD._deleteLocation();
  }
}

main().catch(console.error);
```

Test du module localstorage

```
const LocalStorage = require('node-localstorage').LocalStorage;
const oiseauPrefereDAO = require('./OiseauPrefereDAO');

async function main() {
  try {
    global.preferesBDD = new LocalStorage('./oiseaux-preferes');

    preferesBDD.setItem('test', 'ABC');
    let test = preferesBDD.getItem('test');
    console.log(test);

  } catch (e) {
    console.error(e);
  } finally {
    // pour recommencer à zéro
    //global.preferesBDD._deleteLocation();
  }
}

main().catch(console.error);
```

Ecrire une valeur locale pour un oiseau

test-locale.js

```
   oiseauPrefereDAO.sauverEtoiles(preferesBDD, 'Harfand des neiges', 5);
   oiseauPrefereDAO.sauverEtoiles(preferesBDD, 'Jaseur boréal', 4);
   oiseauPrefereDAO.sauverEtoiles(preferesBDD, "Merle d'Amérique", 5);
```

OiseauPrefereDAO.js

```
exports.sauverEtoiles = async function (base, nom, etoiles) {
 base.setItem(nom, etoiles);
};
```

Lire une valeur locale pour un oiseau

test-locale.js

```
    let etoilesHarfand = await oiseauPrefereDAO.savoirEtoiles(preferesBDD, 'Harfand des neiges');
    console.log(etoilesHarfand);
```

OiseauPrefereDAO.js

```
exports.savoirEtoiles = async function (base, nom) {
 let etoiles = base.getItem(nom);
 //console.log(etoiles);
 return etoiles;
};
```

API

Pour mongo

Lister les BDD

```
const {MongoClient} = require('mongodb');

async function listerBases(client){
    databasesList = await client.db().admin().listDatabases();
    console.log("Bases de donnees :");
    databasesList.databases.forEach(db => console.log(` - ${db.name}`));
};
```

```
try
{
      await client.connect();
      await listerBases(client);
}
```