Homework Assignment 5

jan.schulz@devugees.org

1. Object Iterator

An object iterator loops through all key-value pairs of an object and can be used like this:

```
var obj = { firstname: "John", age: 20 };
for(var key in obj) {
    console.log("key= " + key + ", value=" + obj[key]);
}
```

1. Take an educated guess what this code would output
2. Now try it by coding it yourself.

1. Object Iterator

Given is the following object:

```
var users = [ { "id": 1, "name": "Leanne Graham", "username": "Bret", "email": "Sincere@april.biz",
    "address": { "street": "Kulas Light", "suite": "Apt. 556", "city": "Gwenborough", "zipcode": "92998-
    3874", "geo": { "lat": "-37.3159", "lng": "81.1496" } }, "phone": "1-770-736-8031 x56442",
    "website": "hildegard.org", "company": { "name": "Romaguera-Crona", "catchPhrase": "Multi-
    layered client-server neural-net", "bs": "harness real-time e-markets" } }, { "id": 2, "name": "Ervin
    Howell", "username": "Antonette", "email": "Shanna@melissa.tv", "address": { "street": "Victor
    Plains", "suite": "Suite 879", "city": "Wisokyburgh", "zipcode": "90566-7771", "geo": { "lat": "-
    43.9509", "lng": "-34.4618" } }, "phone": "010-692-6593 x09125", "website": "anastasia.net",
    "company": { "name": "Deckow-Crist", "catchPhrase": "Proactive didactic contingency", "bs":
    "synergize scalable supply-chains" } }
];
```

3. Create a function **userInfo(userObj)** that expects an object like *users* and console.log
   the **first 4** keys and values of **each user object**.

2. Shopping List

- Clone the repository https://github.com/foobaroo/devugees
- Go to devugees/shoppinglist/
- Open **index.html** with a browser and analyze, this is the shoppinglist that we created during our lecture.
- Add 5 Items: "Orange", "Apple", "Mango", "Grapefruit" and "Lemon"
- Close the browser.
- Open up **index.html** again.
- Why did your items disappear?

1. Add a feature to main.js, that your bought shopping items do not disappear when reloading index.html and closing the browser.

   Use: localStorage.getItem, localStorage.setItem, JSON.parse and JSON.stringify to solve this problem.