Javascript practice-test for first term

Teacher will provide you with a REST API on the server side to do the exercise.
So, you forget about setting up any database or server configuration.

The resful API is something like that:

NOTE: server_ip will be provided at the moment of the test

HTTP method	Action	JSON received	URL end point
GET	**List** persons with any kind of relationship with the club	Person array	http://server_IP:8084/persones/api/Persona/

Response is a JSON array like this:

[{"idPersona":11,"nom":"Pere","ape1":"Crespo","ape2":"Molina","nif":"48888888X","telefon":"656345678","email":"pedcremo@gmail.com","dataNaixement":"1977-02-16","dataAlta":"2006-10-01","dataBaixa":null,"comentaris":null,"tipusRelacioClub":"SOCI","dadesBancaries":{"iban":"ES46","entitat":"2045","oficina":"1234","dc":"12","compte":"1234567890"},"addressData":{"carrer":"Aljub, 18","poblacio":"Bocairent","provincia":"Valencia","cp":"46880"},"marcadorsInteres":{"deBaixa":false,"ambAlerta":false,"raoAlerta":null}},

{"idPersona":12,"nom":"Paco","ape1":"Gomez","ape2":"Ragut","nif":"56788888X","telefon":"655345666","email":"paco@popo.es","dataNaixement":"1987-07-12","dataAlta":"1987-01-01","dataBaixa":null,"comentaris":null,"tipusRelacioClub":"SOCI","dadesBancaries":{"iban":"ES46","entitat":"2045","oficina":"1234","dc":"21","compte":"2232527890"},"addressData":{"carrer":"Valencia, 8","poblacio":"Bocairent","provincia":"Valencia","cp":"46880"},"marcadorsInteres":{"deBaixa":false,"ambAlerta":false,"raoAlerta":null}}]

HTTP method	Action	JSON received	URL end point
GET	Edit one single person record	Person read	http://server_IP:8084/persones/api/Persona/{idPerson}

We get a JSON with a record matching idPerson passed as a parameter

Ex.- http://localhost:8084/persones/api/Persona/11

{"idPersona":11,"nom":"Pere","ape1":"Crespo","ape2":"Molina","nif":"48888888X","telefon":"656345678","email":"pedcremo@gmail.com","dataNaixement":"1977-02-16","dataAlta":"2006-10-01","dataBaixa":null,"comentaris":null,"tipusRelacioClub":"SOCI","dadesBancaries":{"iban":"ES46","entitat":"2045","oficina":"1234","dc":"12","compte":"1234567890"},"addressData":{"carrer":"Aljub, 18","poblacio":"Bocairent","provincia":"Valencia","cp":"46880"},"marcadorsInteres":

{"deBaixa":false,"ambAlerta":false,"raoAlerta":null}}

HTTP method	Action	JSON sent	JSON received	URL
POST	Add new person	Person to add	Person added	http://server_IP:8084/persones/api/Persona/

Person JSON

Minimum JSON to send (from the point of view of mandatory fields):

{"nif":"45565656T","nom":"Rodrigo","ape1":"Castro","ape2":"Cepeda","telefon":"","email":"","dataAlta":"11/12/2014","tipusRelacioClub":"SOCI","addressData":{"carrer":"Bisbe Miró, 14","poblacio":"Bocairent","provincia":"Valencia","cp":"46880"},"dadesBancaries": {},"marcadorsInteres":{"deBaixa":false,"ambAlerta":false}}

Complete JSON to send
{"nif":"22222222J","nom":"Ernesto","ape1":"Joru","ape2":"Mio","telefon":656345673,"email":"pernest@gjol.com","dataNaixement":"11/04/1914","dataAlta":"11/13/2014","dataBaixa":"11/13/2014","comentaris":"Un xaval","tipusRelacioClub":"ALUMNE","addressData":{"carrer":"Gomís, 23","poblacio":"Ontinyent","provincia":"Valencia","cp":"46870"},"dadesBancaries": {"iban":"ES46","entitat":"1012","oficina":"1222","compte":"123456789"},"marcadorsInteres": {"deBaixa":true,"ambAlerta":true,"raoAlerta":"Es un pajaro"}}

Items to accomplish

1. (1,25 points) Write all your app texts and descriptions in correct english.
2. (0,25 points) Do an index.html file with two links;   List persons and new person. List person will call list.html and new person new.html
3. (4 points) new.html will contain a form with these fields and checkings. Try to do more or less the same

    1. (1 point) Check mandatory fields and activate "Save" button only if they are filled and there are valid
    2. (0,5 points) DNI checking including letter
    3. (1,5 points) Bank data form section is optional filling but if you fill one of their fields all of them should be filled and be right. Moreover they should match thes rules:

        IBAN only four characters including letters and numbers
        ENTITY only four digits
        OFFICE only four digits
        ACCOUNT number ten digits

    4. (1 points) If the form is abble to submit via HTTP the person json and this is inserted into the database.

4. (2,5) list.html will contain a table listing all people stored in the database
    The response will be a JSON array served from endoint
       http://server_IP:8084/persones/api/Persona/ (GET)

TIP: Useful for creating your AJAX JSON POST request

```
var xmlhttp = new XMLHttpRequest();   // new HttpRequest instance
xmlhttp.open("POST", "/json-handler");
xmlhttp.setRequestHeader("Content-Type", "application/json;charset=UTF-8");
xmlhttp.send(JSON.stringify({name:"John Rambo", time:"2pm"}));
```

EXTRAS

(1 point) Include a search input field. Don't talk with the server side, the search is performed only in the client side, filtering only the JSON array

(0,75) Bind jquery datepickers to form date fields (You can use jquery)

(1,5) Reuse the form to fill it with an existing person registry. Edit capabilities