LILLYDOO

Phone Book API Project
(Front-End Developer Guide)

This is a Front-End oriented documentation of phone-book-api project. This document shows how a frontend developer can use the API and send the requests in order to make the application functional.

For installation and deployment of API, please follow the instructions offered in Github repository at https://github.com/msh-shf/phone-book-api

Note: You can use **/documentation/lillydoo.postman_collection.json** file to import requests into Postman Application.

The API offers the following routes that are going to be explained in detail:

Method	Route	Description
GET	/contact	List contacts with features for search names and pagination with query params (?name=&page=1&size=10)
POST	/contact	Create a new contact
PUT	/contact/{id}	Update the information of a contact with a given id
GET	/contact/{id}	Show the information of a contact with a given id
DELETE	/contact/{id}	Delete a contact with a given id

Response Format Standard:

success:
```
{
    "status": "success",
    "data": {...},
    "message": null
}
```

error:
```
{
    "status": "error",
    "data": null,
    "message": "error message..."
}
```

Detail of Routes:

GET	**/contact?name=&page=1&size=10**	get a list of contacts

Description:

This is a GET request to fetch a list of contacts based on search name (query param) and pagination, the name param is going to compare against first_name and last_name of contacts. If the name param is empty, the it will be ignored. Finally, the results will be paginated.

Url:

http://localhost:8000/contact?name=sometext&page=1&size=10

JQuery Code Snippet:

```
var settings = {
    "url": "http://localhost:8000/contact?name=&page=1&size=2",
    "method": "GET"
};

$.ajax(settings).done(function (response) {
    console.log(response);
});
```

Response Sample:

status code: 200
```
{
    "status": "success",
    "data": {
        "data": [
            {
                "id": 1,
                "first_name": "Sandy",
                "last_name": "Carter",
                "phone": "(118)735-9287x4347",
                "email": "yschroeder@hotmail.com",
                "birthday": "1995-07-31",
                "address": "5740 Raynor Village\nJacobson, IL 55594-3458",
                "picture": "http://lorempixel.com/300/300/people/?96046"
            },
            {
                "id": 2,
```

                    "first_name": "Clifford",
                    "last_name": "Carroll",
                    "phone": "512.058.4362",
                    "email": "little.toy@yahoo.com",
                    "birthday": "1988-09-20",
                    "address": "6919 Sandra Spurs Suite 808, VA 46219-9892",
                    "picture": "http://lorempixel.com/300/300/people/?96906"
                },
            ],
            "meta": {
                    "total": 5,
                    "page": 3,
                    "size": 2,
                    "next": null,
                    "last": 3
            }
        },
        "message": null
}

POST	/contact	create a new contact

Description:

This is a POST request with request body to create a new contact.

Url:

http://localhost:8000/contact

Request Body:

{
        "first_name":"Masih",
        "last_name":"Shafiee",
        "phone":"+989367237614",
        "email":"masih118shafiee@gmail.com",
        "birthday":"1989-10-06",
        "address":"Mashhad, Iran",
        "picture":""
}

Request Header:

Content-Type=application/json

JQuery Code Snippet:

```javascript
var settings = {
        "url": "http://localhost:8000/contact",
        "method": "POST",
        "headers": {
                "Content-Type": "application/json"
        },
        "data": JSON.stringify({
                "first_name": "Masih",
                "last_name": "Shafiee",
                "phone": "+989367237614",
                "email": "masih118shafiee@gmail.com",
                "birthday": "1989-10-06",
                "address": "Mashhad, Iran",
                "picture": ""
        }),
};

$.ajax(settings).done(function (response) {
        console.log(response);
});
```

Response Sample:

status code: 404

```json
{
        "status": "error",
        "data": null,
        "message": "The requested resource not found, resource id: 26"
}
```

status code: 201

```json
{
        "status": "success",
        "data": {
                "id": 6,
                "first_name": "Masih",
                "last_name": "Shafiee",
                "phone": "+989367237614",
                "email": "masih118shafiee@gmail.com",
                "birthday": "1989-10-06",
                "address": "Mashhad, Iran",
                "picture": ""
        },
        "message": null
}
```

GET	**/contact/{id}**	show the detail of a contact

Description:

This is a GET request to fetch the detail of a contact given by contact id.

Url:

http://localhost:8000/contact/6

JQuery Code Snippet:

```javascript
var settings = {
        "url": "http://localhost:8000/contact/6",
        "method": "GET"
};

$.ajax(settings).done(function (response) {
        console.log(response);
});
```

Response Sample:

status code: 404
```json
{
        "status": "error",
        "data": null,
        "message": "The requested resource not found, resource id: 26"
}
```

status code: 200
```json
{
        "status": "success",
        "data": {
                "id": 6,
                "first_name": "Masih",
                "last_name": "Shafiee",
                "phone": "+989367237614",
                "email": "masih118shafiee@gmail.com",
                "birthday": "1989-10-06",
                "address": "Mashhad, Iran",
                "picture": ""
        },
        "message": null
}
```

PUT	/contact/{id}	update the information of a contact

Description:

This is a PUT request with request body to update the information of a contact given by contact id.

Url:

http://localhost:8000/contact/6

Request Body:

```
{
        "first_name":"Masih",
        "last_name":"Shafiee",
        "phone":"+989367237614",
        "email":"masih118shafiee@gmail.com",
        "birthday":"1989-10-06",
        "address":"Mashhad, Iran",
        "picture":""
}
```

Request Header:

Content-Type=application/json

JQuery Code Snippet:

```
var settings = {
        "url": "http://localhost:8000/contact/6",
        "method": "PUT",
        "headers": {
                "Content-Type": "application/json"
        },
        "data": JSON.stringify({
                "first_name": "Masih",
                "last_name": "Shafiee",
                "phone": "+989367237614",
                "email": "masih118shafiee@gmail.com",
                "birthday": "1989-10-06",
                "address": "Mashhad, Iran",
                "picture": ""
        }),
};

$.ajax(settings).done(function (response) {
```

```
        console.log(response);
});
```

Response Sample:

`status code: 404`
```
{
        "status": "error",
        "data": null,
        "message": "The requested resource not found, resource id: 26"
}
```

`status code: 200`
```
{
        "status": "success",
        "data": {
                "id": 6,
                "first_name": "Masih",
                "last_name": "Shafiee",
                "phone": "+989367237614",
                "email": "masih118shafiee@gmail.com",
                "birthday": "1989-10-06",
                "address": "Mashhad, Iran",
                "picture": ""
        },
        "message": null
}
```

| DELETE | /contact/{id} | delete a contact | |

Description:

This is a DELETE request to delete a contact given by contact id.

Url:

http://localhost:8000/contact/6

JQuery Code Snippet:

```
var settings = {
        "url": "http://localhost:8000/contact/6",
        "method": "DELETE"
};

$.ajax(settings).done(function (response) {
```

```
        console.log(response);
});
```

Response Sample:

status code: 404
{
        "status": "error",
        "data": null,
        "message": "The requested resource not found, resource id: 26"
}

status code: 204
{
        "status": "success",
        "data": 6,
        "message": **null**
}

Masih
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