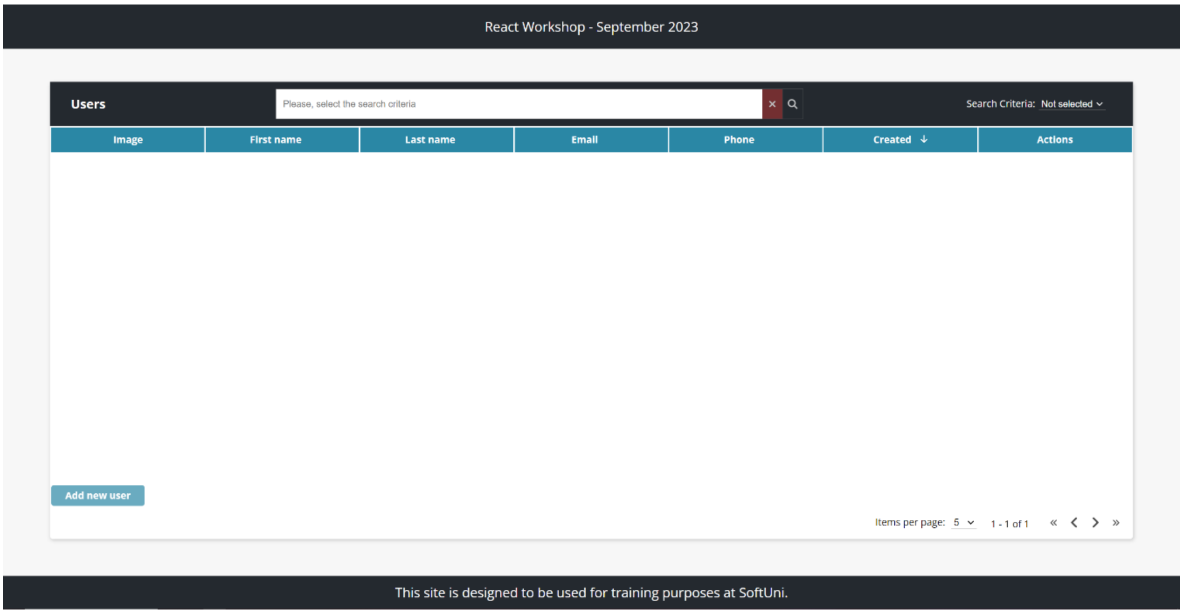
ReactJS – User List Workshop

This is application was created as a workshop for the ReactJS Course @ Software University

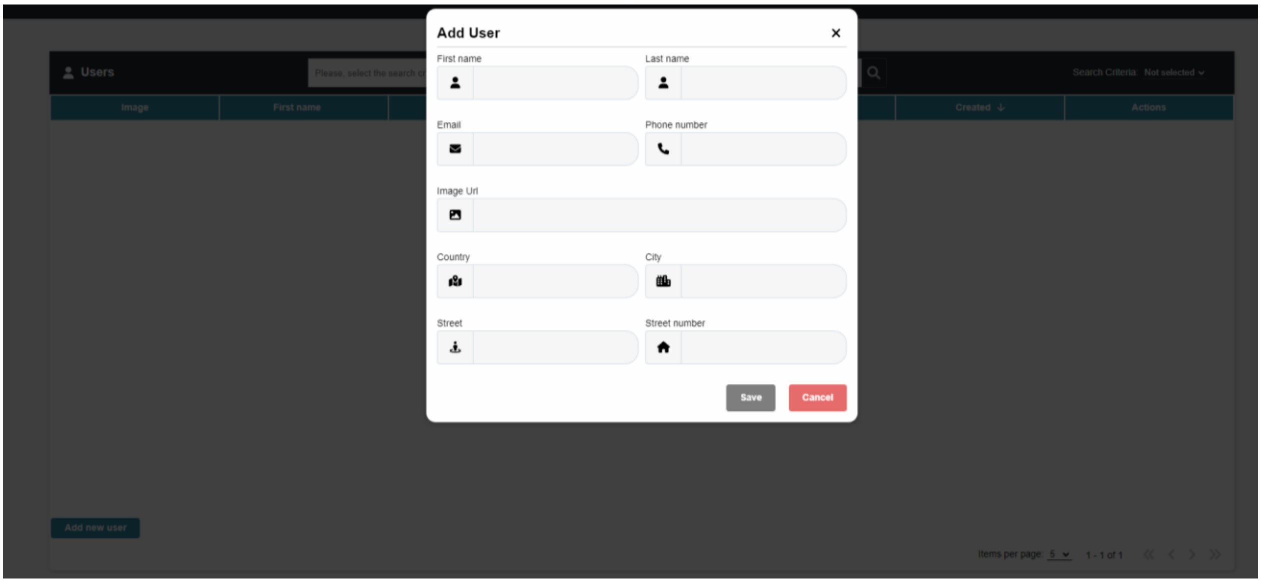
1. Task Requirements


React Workshop - September 2023
Users
Please, select the search criteria
Search Criteria: Not selected
Image
First name
Last name
Email
Phone
Created
Actions
Add new user
Items per page: 5
1 - 1 of 1
This site is designed to be used for training purposes at SoftUni.

Use the provided **html structure** and **styles** to **create** a page with the following functionalities:

Create user

Clicking on the **Add new user** button should display a form for creating users.



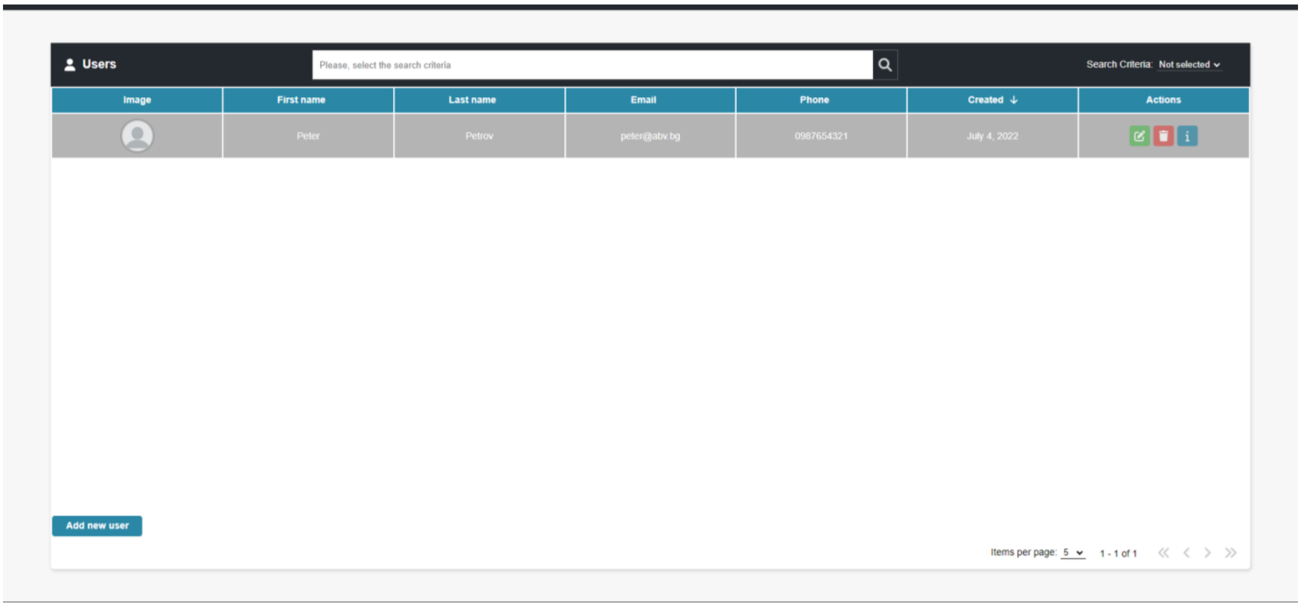
Send the following **request**:

```
Method: POST
URL: /jsonstore/users
```

The service expects a body with the following shape:

```
{
  firstName,
  lastName,
  email,
  imageUrl,
  phoneNumber,
  createdAt,
  updatedAt,
  address: {
      country,
      city,
      street,
      streetNumber
  }
}
```

Then the service will return the newly created record.

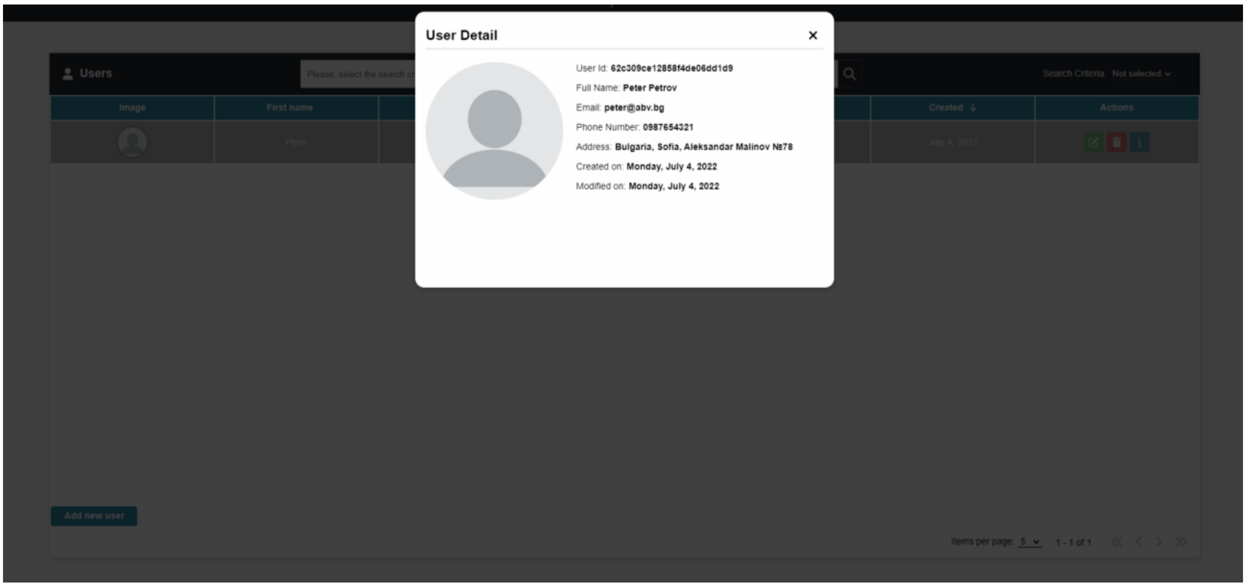


Users
Please, select the search criteria
Search Criteria: Not selected
Add new user
Items per page: 5
1 - 1 of 1

Image	First name	Last name	Email	Phone	Created ↓	Actions
	Peter	Petrov	peter@abv.bg	0987654321	July 4, 2022	i

User info

Clicking the **[i]** button in the Actions section should display a window containing the information for the selected user.



User Detail

User Id: **62c309ce12858f4de06dd1d9**

Full Name: **Peter Petrov**

Email: **peter@abv.bg**

Phone Number: **0987654321**

Address: **Bulgaria, Sofia, Aleksandar Malinov №78**

Created on: **Monday, July 4, 2022**

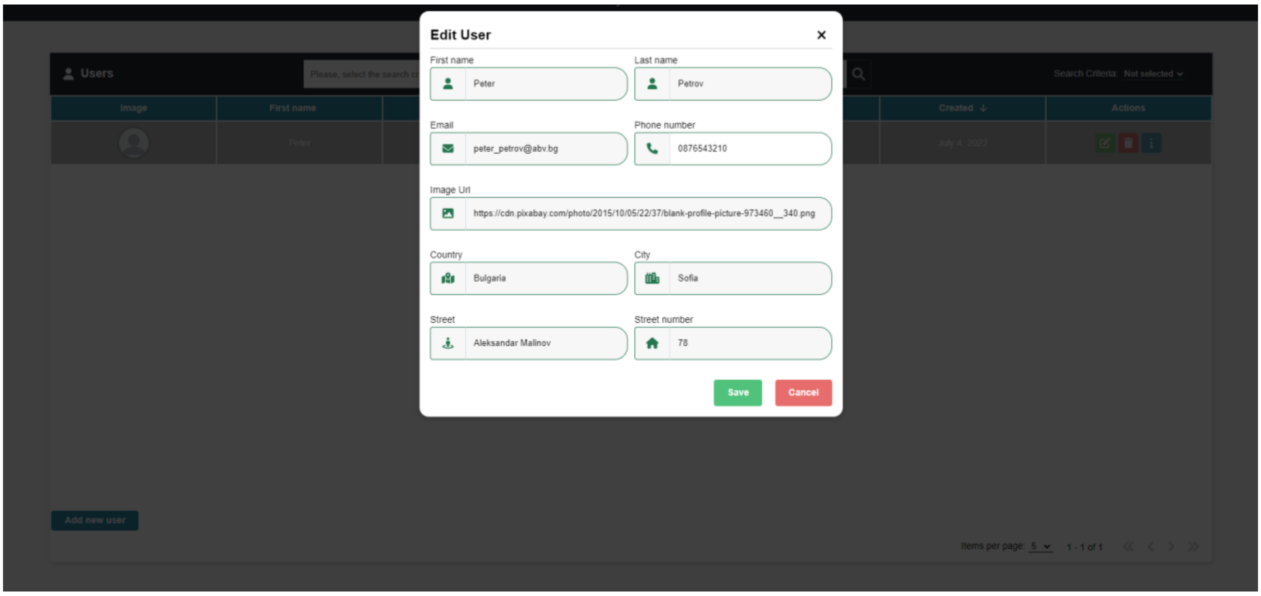
Modified on: **Monday, July 4, 2022**

To retrieve the information, send the following **request**:

```
Method: GET
URL: /jsonstore/users/{userId}
```

Edit user

Clicking the **[Edit]** button in the Actions section should display a form for editing the user information.



Edit User

First name: Peter	Last name: Petrov
Email: peter_petrov@abv.bg	Phone number: 0876543210
Image Url: https://cdn.pixabay.com/photo/2015/10/05/22/37/blank-profile-picture-973460__340.png	
Country: Bulgaria	City: Sofia
Street: Aleksandar Malinov	Street number: 78

If the form is filled correctly send the following request:

```
Method: PUT
URL: /jsonstore/users/{userId}
```

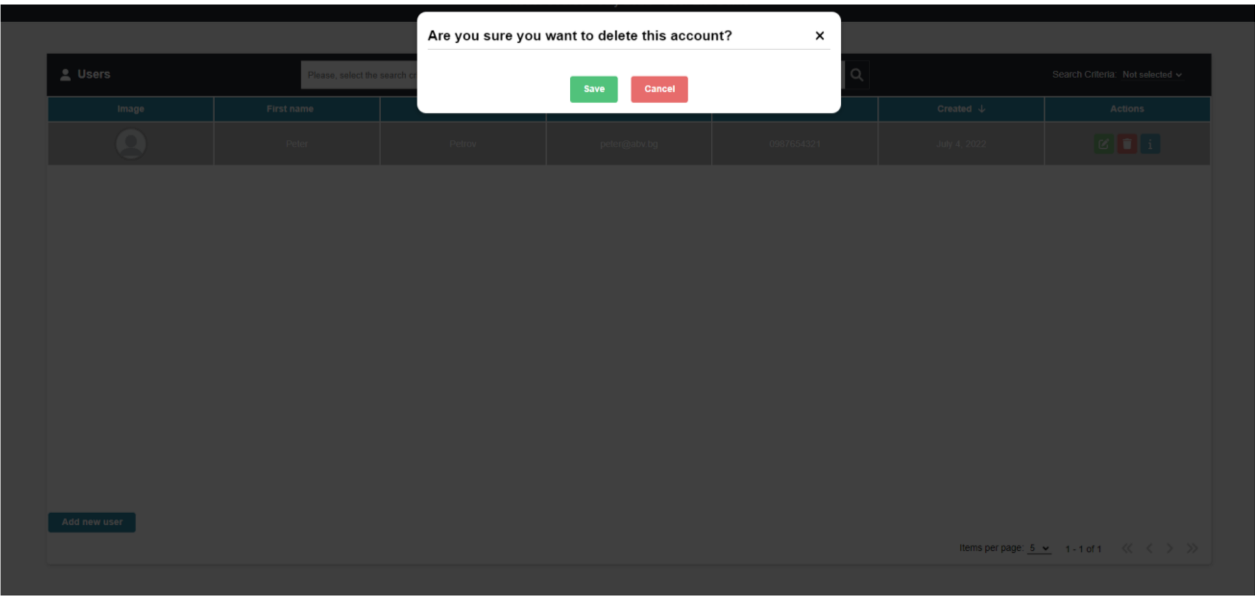
The service expects a body with the following shape:

```
{
  firstName,
  lastName,
  email,
  imageUrl,
  phoneNumber,
  createdAt,
  updatedAt,
  address: {
      country,
      city,
      street,
      streetNumber
  }
}
```

Then the service will return the newly modified record.

Delete user

Clicking the **[Delete]** button in the Actions section should display a confirmation window.



Are you sure you want to delete this account?

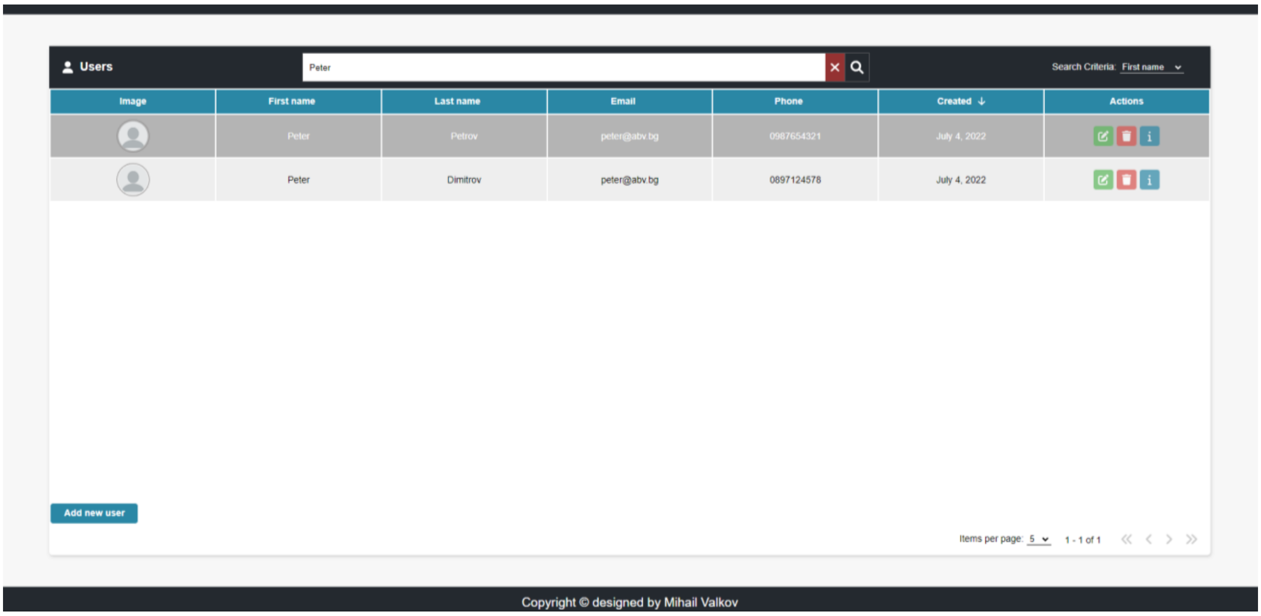
Clicking the **[Save]** button should send the following request:

```
Method: DELETE
URL: /jsonstore/users/{userId}
```

Then the record with the given id will be deleted.

Search*

By selecting a **search criterion** and typing in the search bar the **criteria**, only the matching records should be visible



Users

Peter

Search Criteria: First name

Image	First name	Last name	Email	Phone	Created ↓	Actions
	Peter	Petrov	peter@abv.bg	0987654321	July 4, 2022	
	Peter	Dimitrov	peter@abv.bg	0897124578	July 4, 2022	

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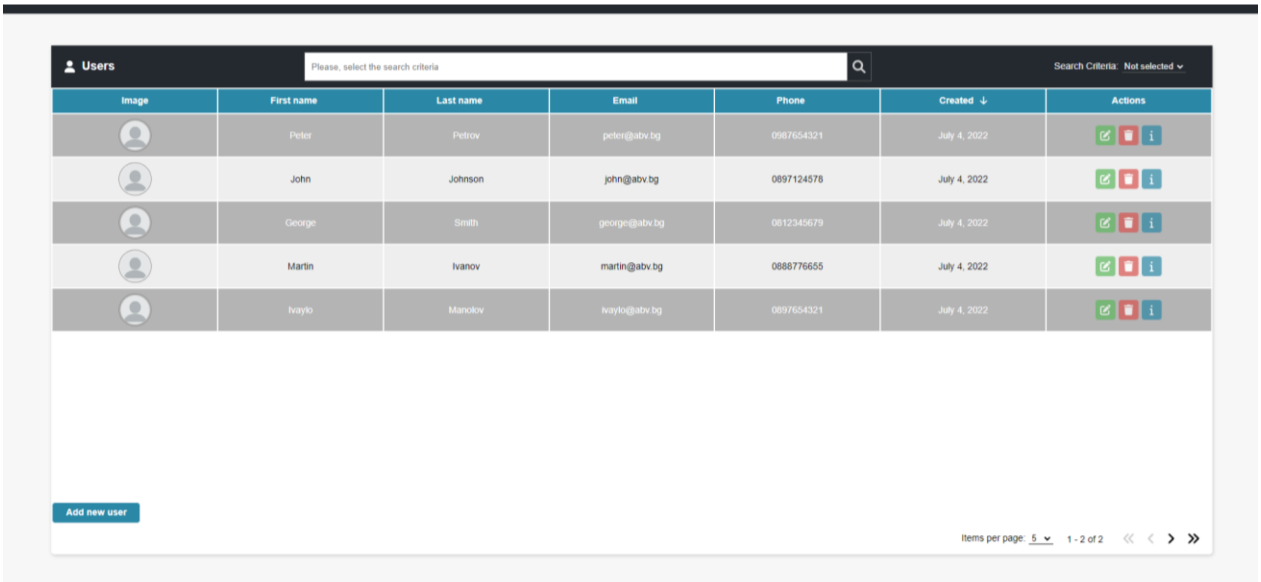
Pagination*

Selecting how many items a page must include, implement a pagination



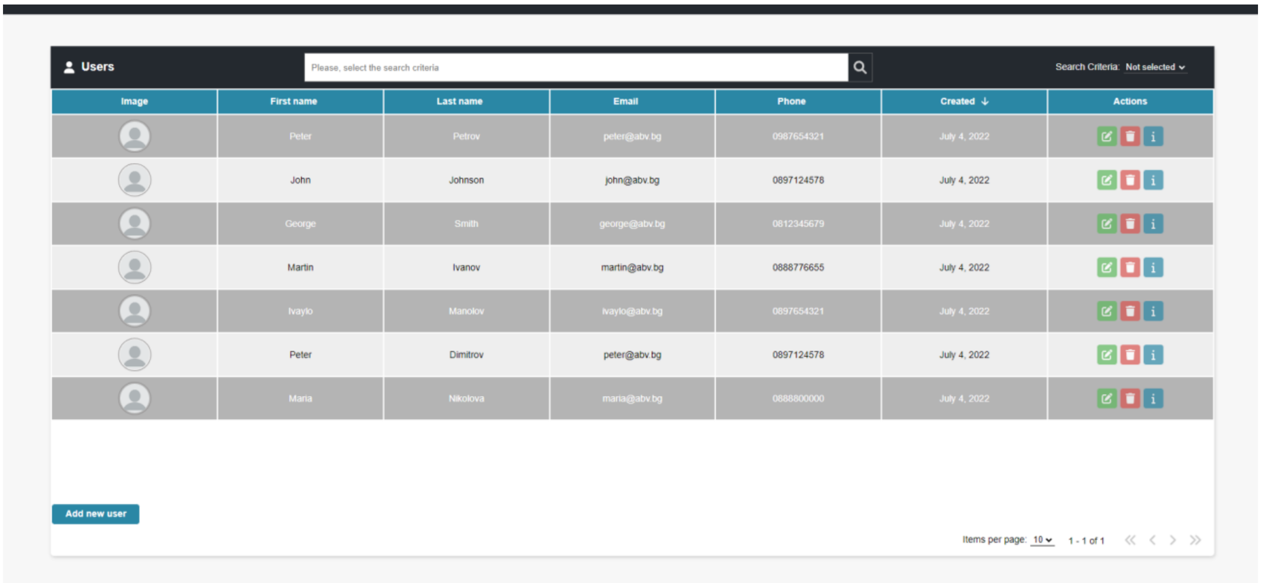
Users

Please, select the search criteria

Search Criteria: Not selected

Image	First name	Last name	Email	Phone	Created ↓	Actions
	Peter	Petrov	peter@abv.bg	0987654321	July 4, 2022	
	John	Johnson	john@abv.bg	0897124578	July 4, 2022	
	George	Smith	george@abv.bg	0812345679	July 4, 2022	
	Martin	Ivanov	martin@abv.bg	0888776655	July 4, 2022	
	Ivaylo	Manolov	ivaylo@abv.bg	0897654321	July 4, 2022	

If there are more records than the maximum items per page, a second page must become active.



Users

Please, select the search criteria

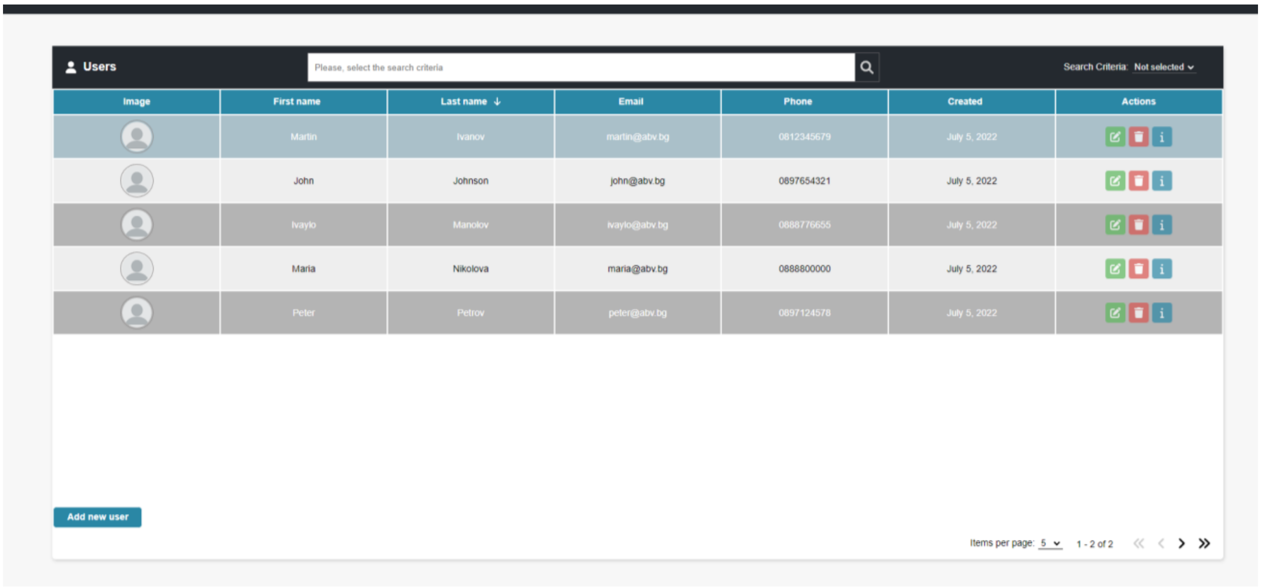
Search Criteria: Not selected

Image	First name	Last name	Email	Phone	Created ↓	Actions
	Peter	Petrov	peter@abv.bg	0987654321	July 4, 2022	✎ 🗑 i
	John	Johnson	john@abv.bg	0897124578	July 4, 2022	✎ 🗑 i
	George	Smith	george@abv.bg	0812345679	July 4, 2022	✎ 🗑 i
	Martin	Ivanov	martin@abv.bg	0888776655	July 4, 2022	✎ 🗑 i
	Ivaylo	Manolov	ivaylo@abv.bg	0897654321	July 4, 2022	✎ 🗑 i
	Peter	Dimitrov	peter@abv.bg	0897124578	July 4, 2022	✎ 🗑 i
	Maria	Nikolova	maria@abv.bg	0888800000	July 4, 2022	✎ 🗑 i

Sorting*

Clicking on some of the main fields should **sort** the records in an **ascending** or **descending** order, depending on how many times it is clicked.

Ascending by '**Last name**':



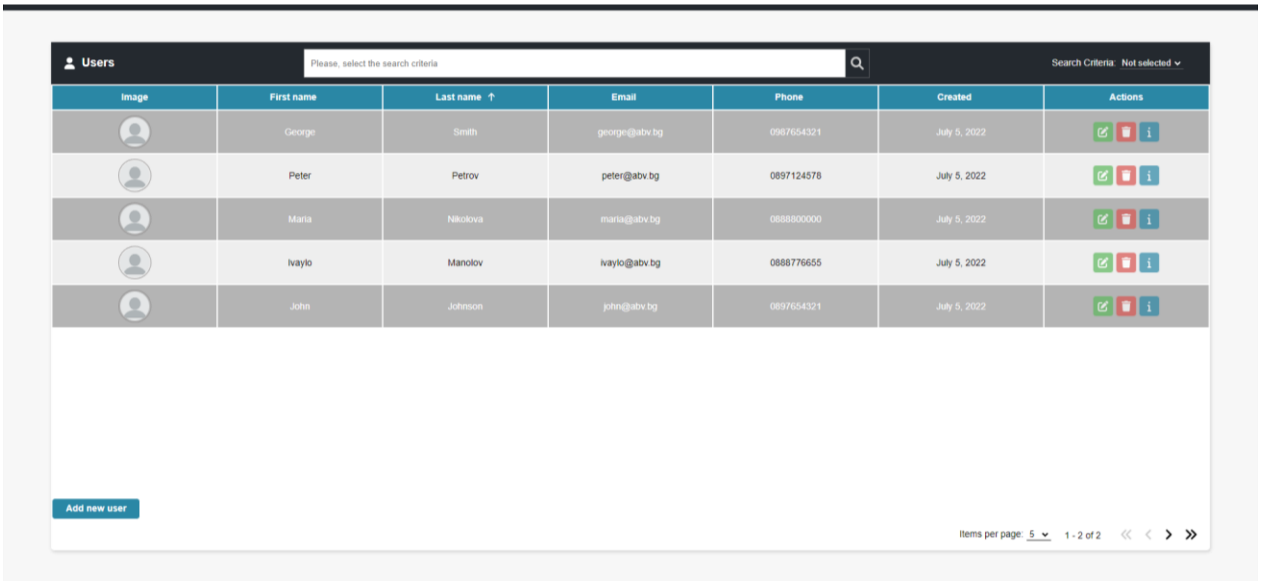
Users

Please, select the search criteria

Search Criteria: Not selected

Image	First name	Last name ↓	Email	Phone	Created	Actions
	Martin	Ivanov	martin@abv.bg	0812345679	July 5, 2022	✎ 🗑 i
	John	Johnson	john@abv.bg	0897654321	July 5, 2022	✎ 🗑 i
	Ivaylo	Manolov	ivaylo@abv.bg	0888776655	July 5, 2022	✎ 🗑 i
	Maria	Nikolova	maria@abv.bg	0888800000	July 5, 2022	✎ 🗑 i
	Peter	Petrov	peter@abv.bg	0897124578	July 5, 2022	✎ 🗑 i

Descending by '**Last name**':



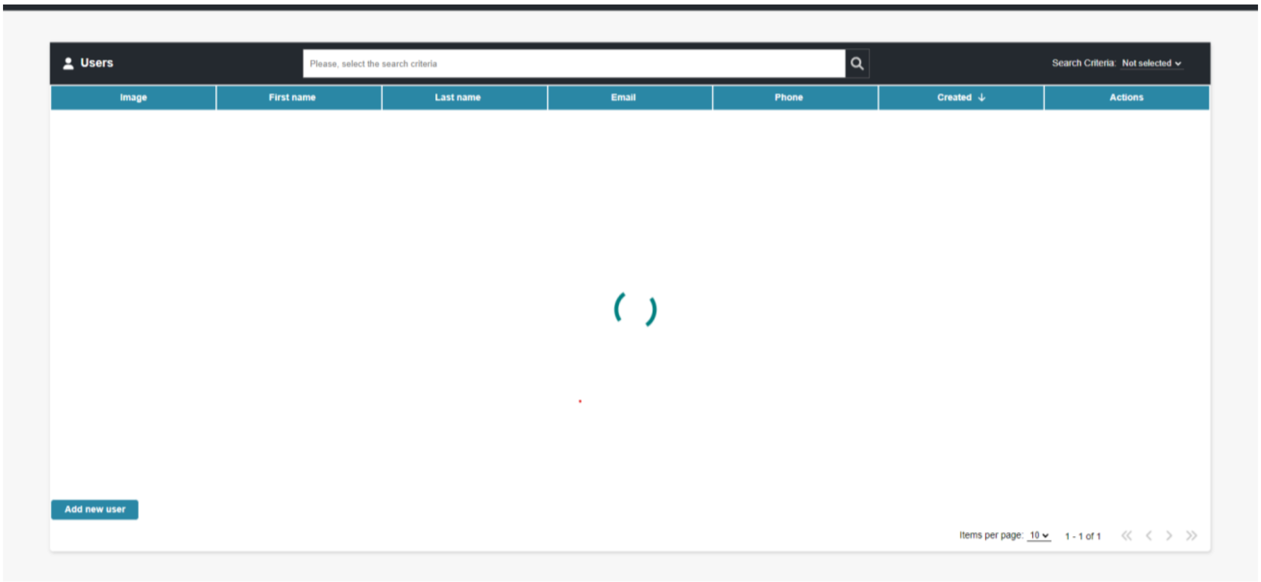
Users
Please, select the search criteria
Search Criteria: Not selected
Add new user

Image	First name	Last name ↑	Email	Phone	Created	Actions
	George	Smith	george@abv.bg	0987654321	July 5, 2022	
	Peter	Petrov	peter@abv.bg	0897124578	July 5, 2022	
	Maria	Nikolova	maria@abv.bg	0888800000	July 5, 2022	
	Ivaylo	Manolov	ivaylo@abv.bg	0888776655	July 5, 2022	
	John	Johnson	john@abv.bg	0897654321	July 5, 2022	

Items per page: 5 1 - 2 of 2

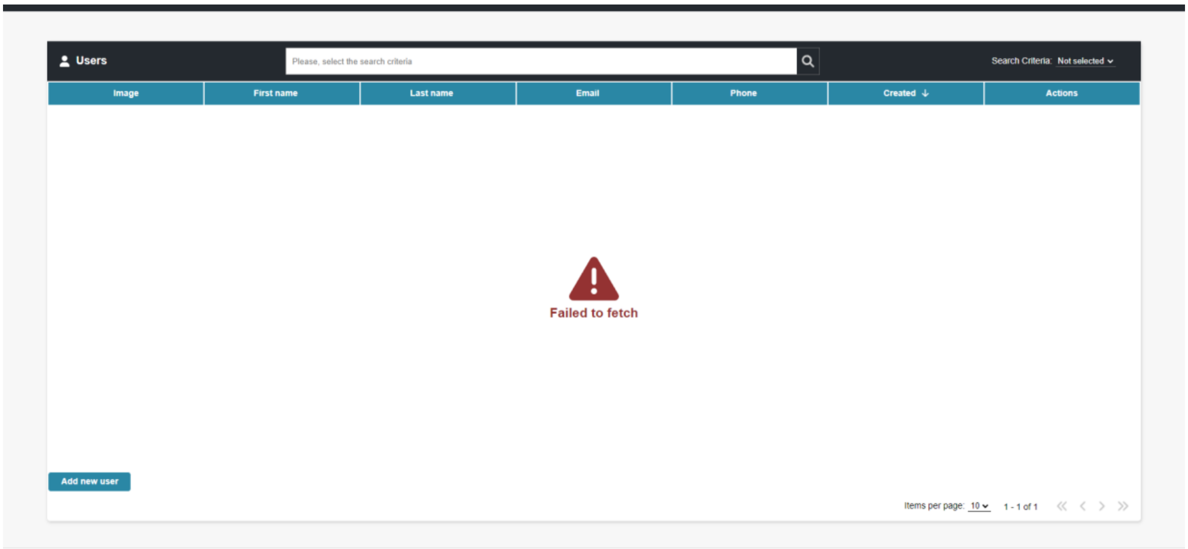
Spinner*

While waiting a response from a request, a spinner should be displayed:



Errors

If a request failed, the following error should be displayed:



Users

Please, select the search criteria

Search Criteria: Not selected

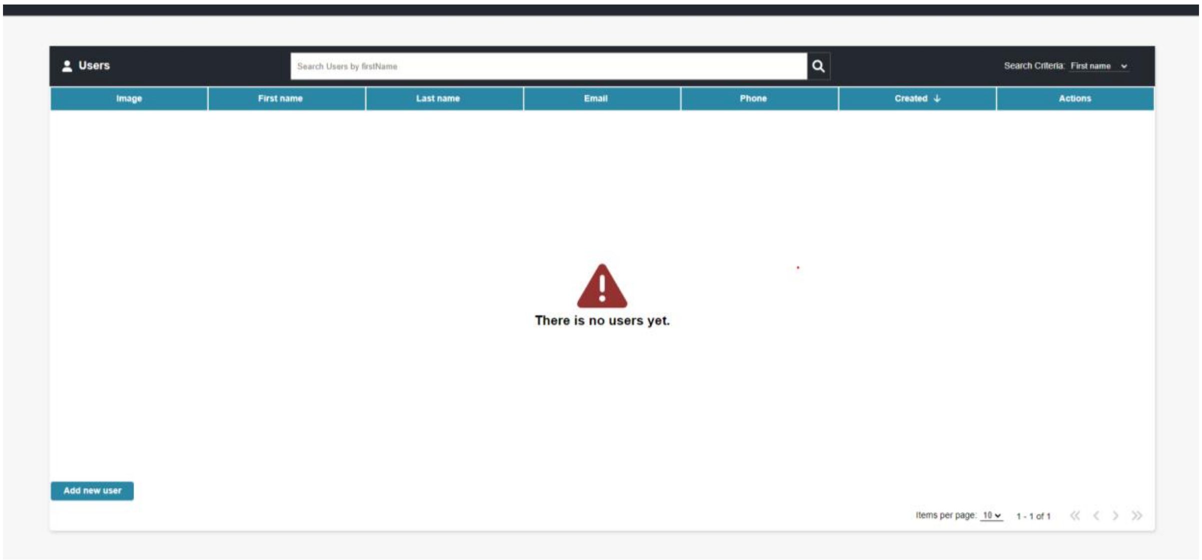
Image	First name	Last name	Email	Phone	Created ↓	Actions

Failed to fetch

Add new user

Items per page: 10 1 - 1 of 1

If there are no records yet, the following error should be displayed:



Users

Search Users by firstName

Search Criteria: First name

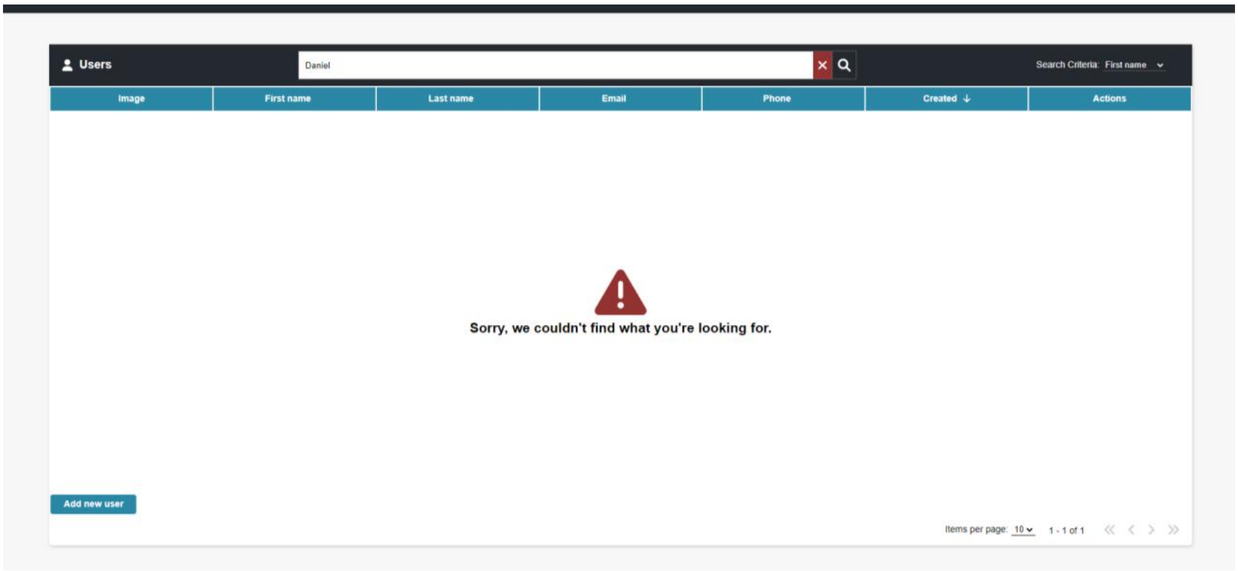
Image	First name	Last name	Email	Phone	Created ↓	Actions

There is no users yet.

Add new user

Items per page: 10 1 - 1 of 1

If there is no record matching the given search criterion the following error should be displayed:



Users

Daniel

Search Criteria: First name

Image	First name	Last name	Email	Phone	Created ↓	Actions

Sorry, we couldn't find what you're looking for.

Add new user

Items per page: 10 1 - 1 of 1

2. Initialize the App

Use the **"npm create vite user-list-demo"** command to create a new React App.

3. Using the Local REST Service

Starting the Service

The REST service will be in a folder named “server” inside the provided resources archive. It has no dependencies and can be started by opening a terminal in its directory and executing:

```
node server.js
```

If everything initialized correctly, you should see a message about the **host address and port** on which the service will respond to requests.

Sending Requests

To send a request, use the **hostname** and **port**, shown in the initialization log and **resource address** and **method** as described in the **application requirements**. If data needs to be included in the request, it must be **JSON-encoded**, and the appropriate **Content-Type header** must be added. Similarly, if the service is to return data, it will be JSON-encoded. Note that **some requests do not return a body** and attempting to parse them will throw an exception.

More Information

You can find more details on the GitHub repository of the service.