

# ReactJS – User List Workshop

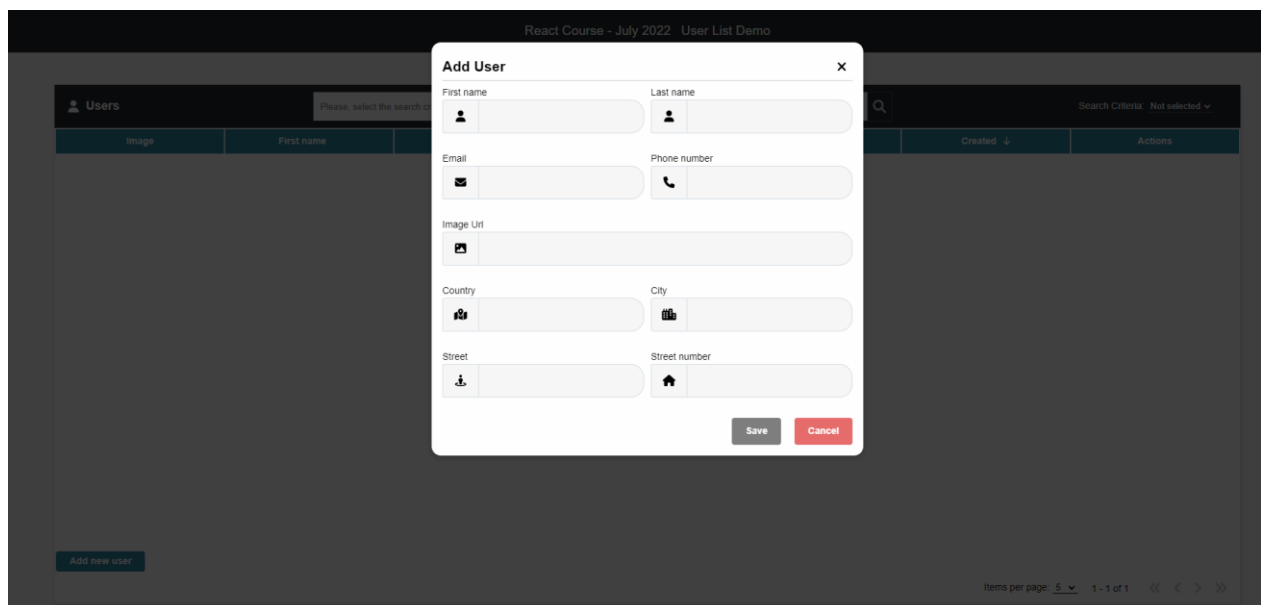
This application was created as a workshop for the [ReactJS Course](#) @ [Software University](#)

## 1. Task Requirements

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

### Create user

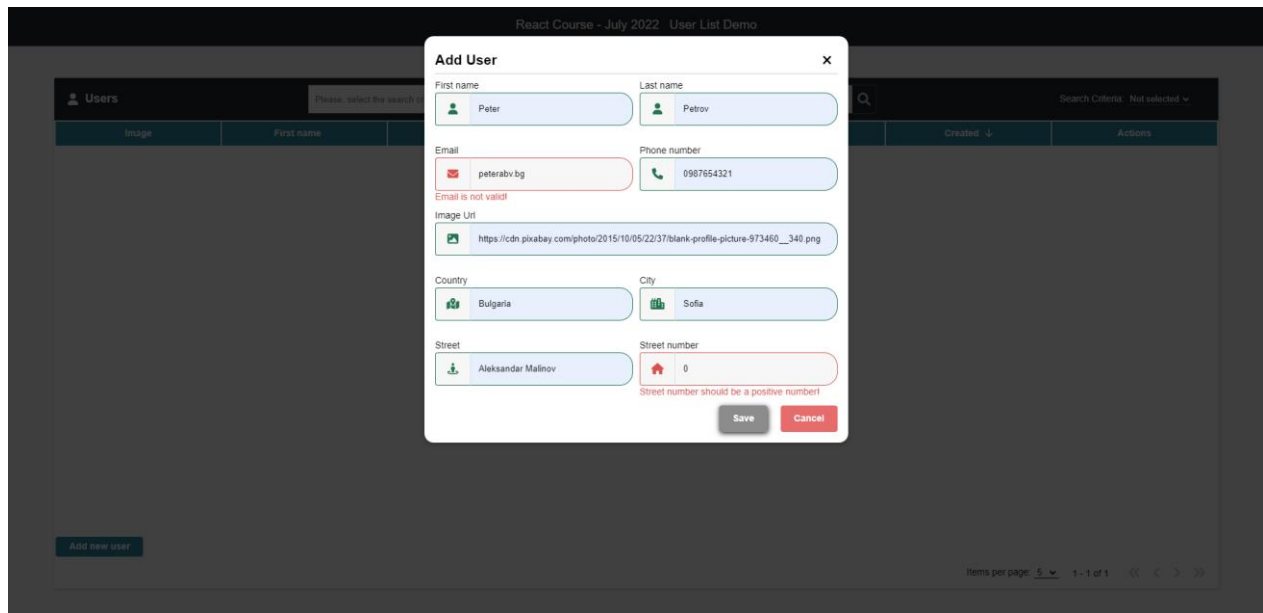
Clicking on the **Add new user** button should display a form for creating users.



All fields must be filled **correctly** before sending the request. If any of the fields is not filled or it does not meet its requirements, the **[Save] button** should be **disabled** and their **error messages** should be visible.

Keep in mind that there are server validations while **creating** or **editing** a user:

- The **First Name** should be **at least three characters**
- The **Last name** should be **at least three characters**
- The **Email** should contain **@** with **atleast 3** character after it
- The **ImageUrl** should start with **https://**.
- The **Phone number** should start with **0** and be **10** characters
- The **Country** should be **at least two characters**
- The **City** should be **at least three characters**
- The **Street** should be **at least three characters**
- The **Street number** must be a number larger than **0**



Otherwise send the following **request**:

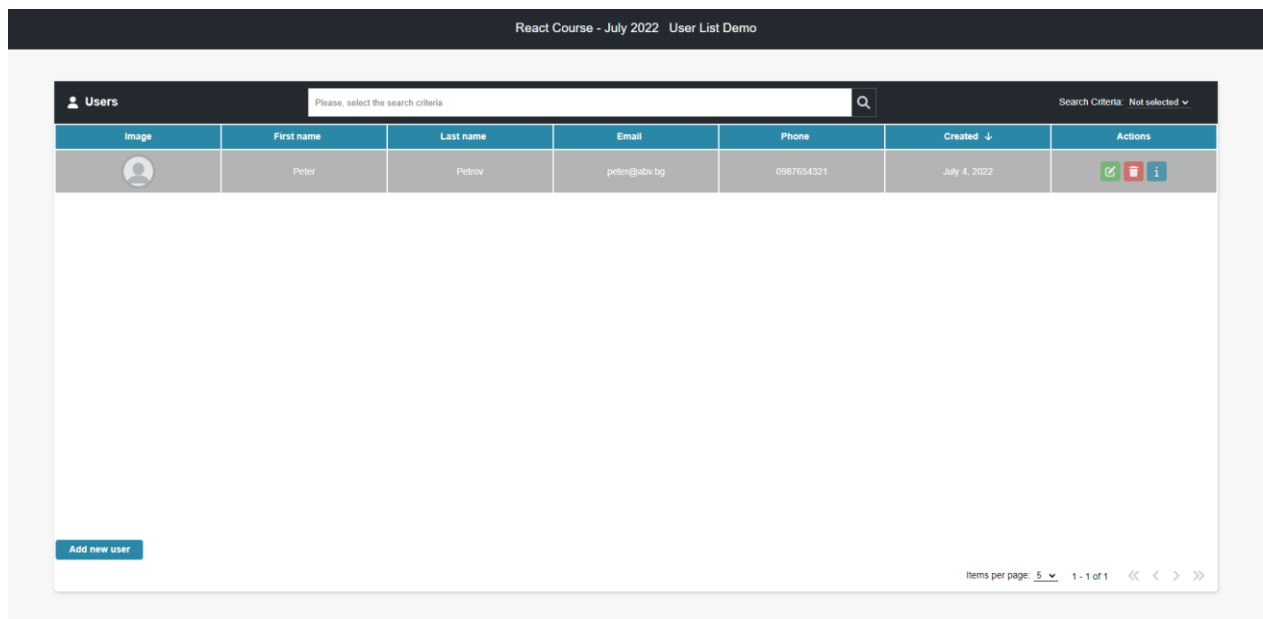
**Method:** POST

**URL:** /users

The service expects a body with the following shape:

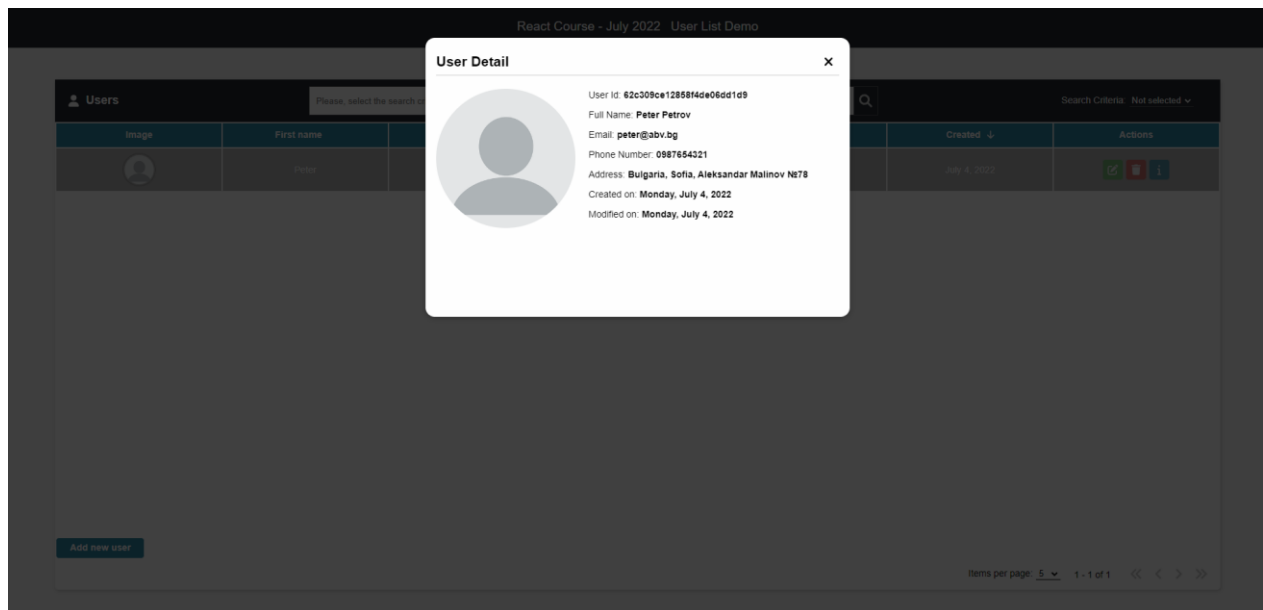
```
{
  firstName,
  lastName,
  email,
  imageUrl,
  phoneNumber,
  address: {
    country,
    city,
    street,
    streetNumber
  }
}
```

Then the service will return the newly created record.



## User info

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



To retrieve the information, send the following request:

**Method:** GET

**URL:** /users/{userId}

## Edit user

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

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**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

Save Cancel

If the form is filled correctly send the following request:

**Method:** PUT

**URL:** /users/{userId}

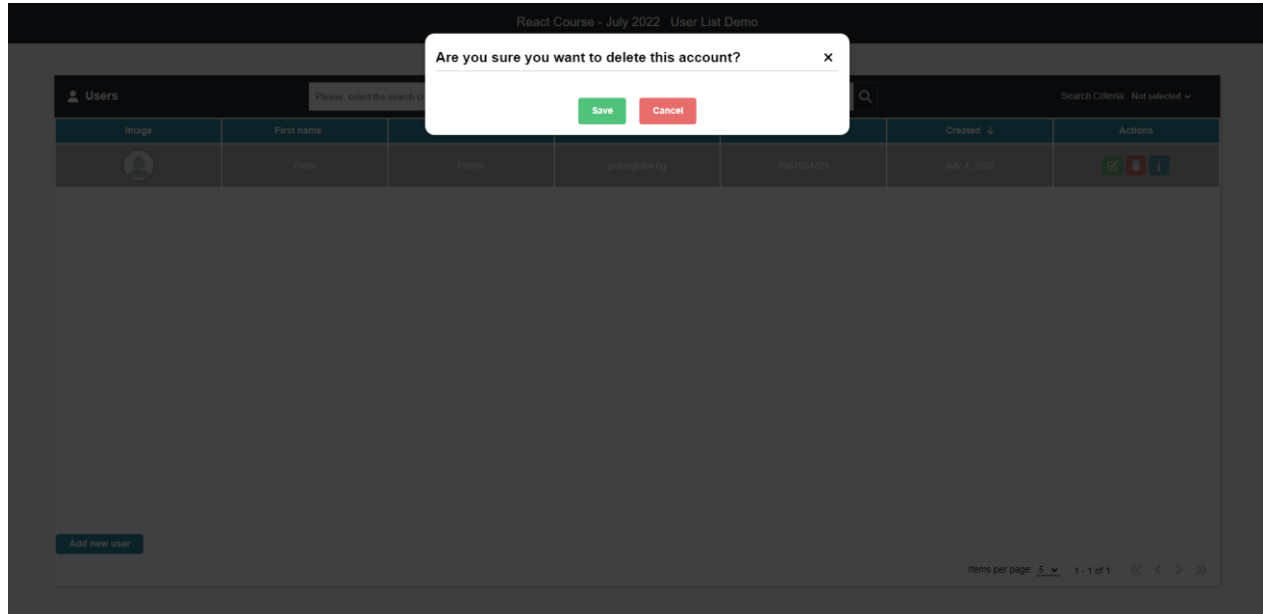
The service expects a body with the following shape:

```
{
  firstName,
  lastName,
  email,
  imageUrl,
  phoneNumber,
  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.



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

```
Method: DELETE
URL: /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

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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	

Add new user

Items per page: 5 1 - 1 of 1 << < > >>

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## Pagination

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

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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	
	Ivayko	Manolov	ivayko@abv.bg	0897654321	July 4, 2022	

Add new user

Items per page: 5 1 - 2 of 2 << < > >>

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	
	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	
	Peter	Dimitrov	peter@abv.bg	0897124578	July 4, 2022	
	Maria	Nikolova	maria@abv.bg	0888000000	July 4, 2022	

Add new user

Items per page: 10 1 - 1 of 1

## 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	
	John	Johnson	john@abv.bg	0897654321	July 5, 2022	
	Ivaylo	Manolov	ivaylo@abv.bg	0888776655	July 5, 2022	
	Maria	Nikolova	maria@abv.bg	0888000000	July 5, 2022	
	Peter	Petrov	peter@abv.bg	0897124578	July 5, 2022	

Add new user

Items per page: 5 1 - 2 of 2

Descending by 'Last name':

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Users

Please, select the search criteria

Search Criteria: Not selected

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	0888000000	July 5, 2022	
	Ivaylo	Manolov	ivaylo@abv.bg	0888776655	July 5, 2022	
	John	Johnson	john@abv.bg	0897654321	July 5, 2022	

Add new user

Items per page: 5 1 - 2 of 2 << < > >>

## Spinner

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

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Users

Please, select the search criteria

Search Criteria: Not selected

Image	First name	Last name	Email	Phone	Created ↓	Actions

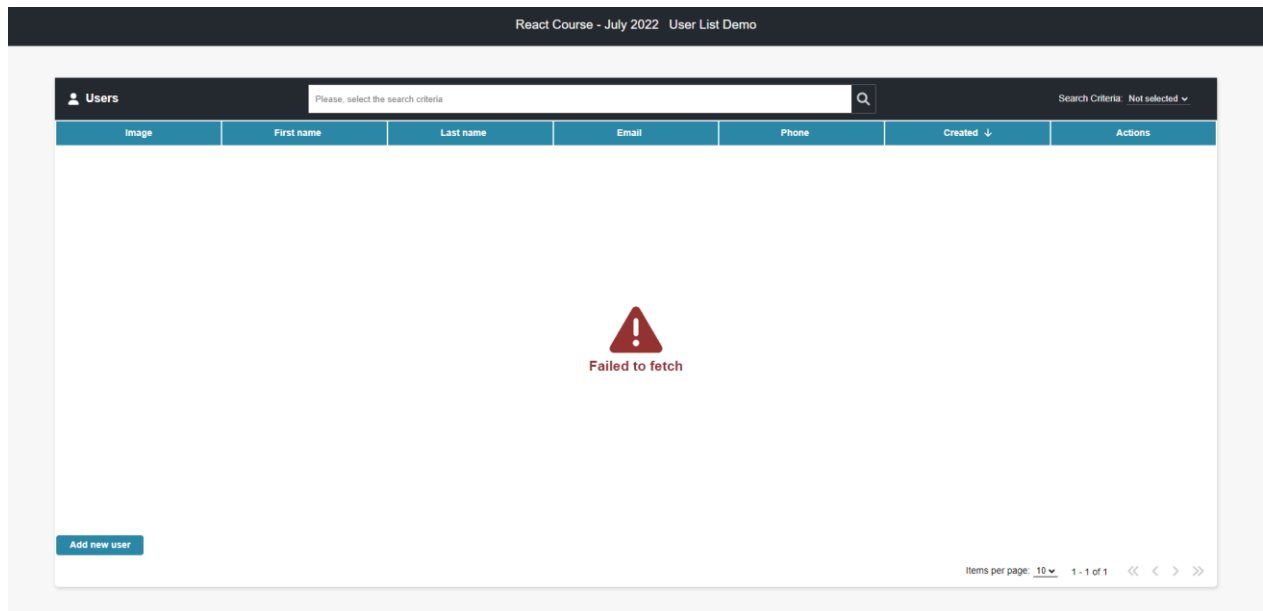
Add new user

Items per page: 10 1 - 1 of 1 << < > >>

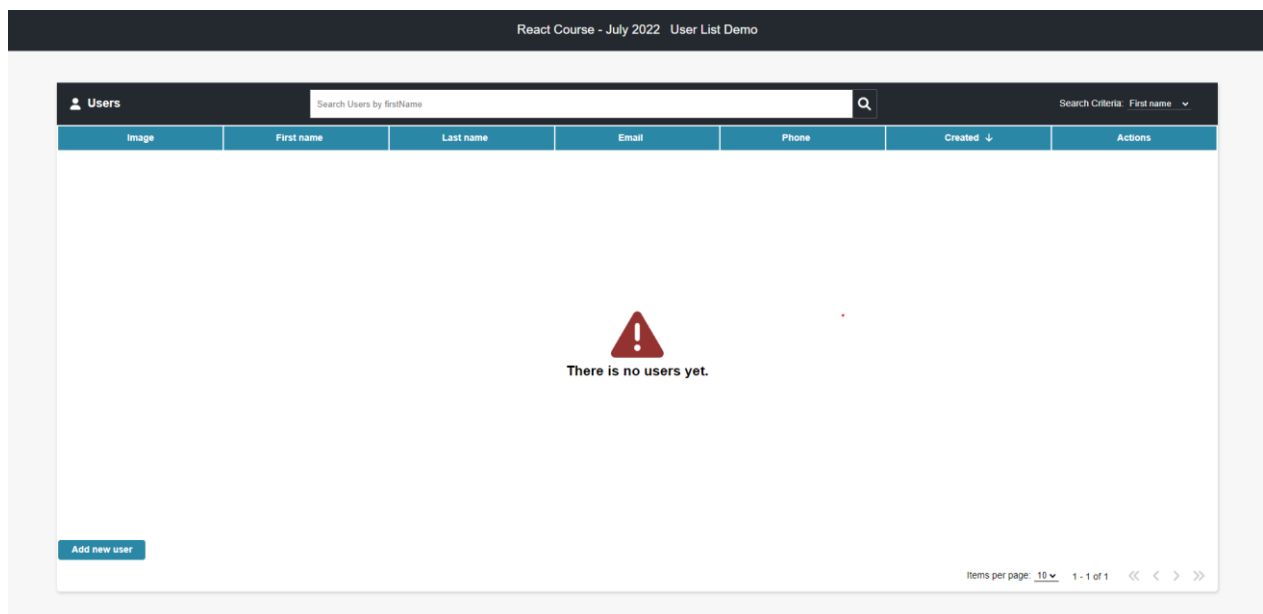
## Errors

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

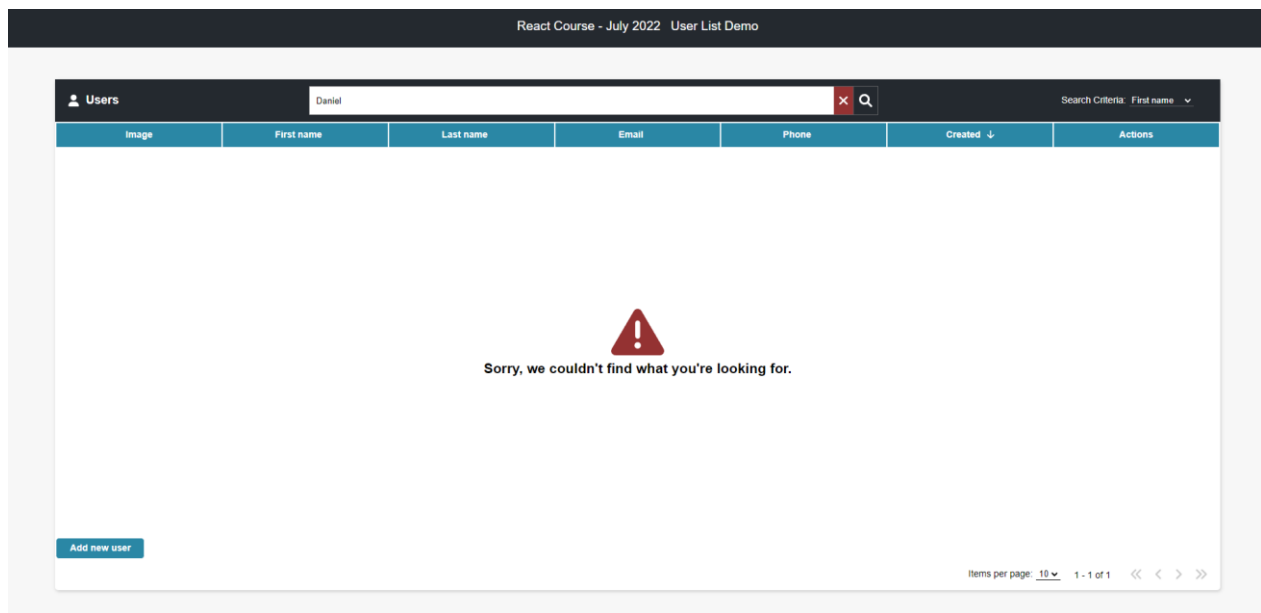




If there are no records yet, the following error should be displayed:



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



## 2. Initialize the App

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

If you face any trouble, check the following link:

<https://github.com/facebook/create-react-app#create-react-app-->

## Server

Use the provided server to make the needed requests so you can visualize their results into the **front-end**. If you are experiencing difficulties starting the server, need the right endpoints or see the expected request bodies, make sure to check its **documentation**: <https://github.com/MihailValkov/user-list-demo/blob/main/server/README.md>

## 3. Implementation

Make sure you assign every **required attribute** to each Component, so the result is the same as the example. If at some point something is not right, be free to check the structure for each element style for each element from the provided [github link](#) for the demo.