



# Fullstack Test Assignment

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Sitoo Fullstack Developer

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## Prerequisites

- [Git](#)
- Account on [GitHub](#)

## Assignment how-to

The project should be version controlled with git and uploaded to a **private repository** on your GitHub account. Go ahead and create a GitHub account if you don't already have one.

When you've finished the assignment and is ready for us to review your code - invite the user **sitoo-tech-career** as a collaborator to your GitHub repo.

- Click on "Settings" in the upper right corner when in the repository
- In the menu on the left choose "Collaborators"
- Enter the username **sitoo-tech-career** and push the "Add collaborator" button

## API Credentials

### Login

API ID: 90316-125  
Password: pfX0Y7A2TYA1Z571IKE07AKoXza6YlvsP8kKvAu3  
Base url: <https://api-sandbox.mysitoo.com/v2/accounts/90316/>

### Add 'Request Header'

Authorization: Basic OTAzMTYtMTI1O nBmWDBZN0EyVF1BbFo1NzFJS0VPN0FLb1h6YTZZbHZzUDhrS3ZBdTM=

### Example with cURL

```
curl -i \  
-X GET \  
-H "Content-Type: application/json" \  
-u "90316-125:pfX0Y7A2TYA1Z571IKE07AKoXza6YlvsP8kKvAu3" \  
-H "Accept: application/json" \  
-s "https://api-sandbox.mysitoo.com/v2/accounts/90316/sites/1/productgroups.json"
```

```
curl -i \  
-X POST \  
-H "Content-Type: application/json" \  
-u "90316-125:pfX0Y7A2TYA1Z571IKE07AKoXza6YlvsP8kKvAu3" \  
-H "Accept: application/json" \  
-d '{"value":25,"productgroupname":"Shoes"}' \  
-s "https://api-sandbox.mysitoo.com/v2/accounts/90316/sites/1/productgroups.json"
```

## Sitoo API Documentation

The Sitoo API documentation is available at <https://developer.sitoo.com/api/v2/>

## The assignment

The task is to create a single-page application to manage users (list, create, update and delete). The app connects to the users endpoints in the [Sitoo API](#) (See the [section about CORS](#)). It must be written with a web application framework like React, Vue or similar.

For the graphical part you can use plain CSS, Sass, Less or a frontend framework like Bootstrap, the choice is yours.

Below you'll find a crude [mockup](#) of the GUI, which you're more than welcome to improve :) As you'll see in the API docs, there's a lot more properties on a user than displayed in the mockups, they are however the minimum to implement for this assignment.

Since the assignment only has one dynamic page, the contents of the pages "Products" and "Manufacturers" can be hard coded so that we can see a working menu and routing.

## App Requirements

- Navigation via menu
- List, create, update and delete users
- Pagination of the user list
- Before deleting user(s) a confirmation dialog should be displayed
- Handle errors from the API
- The application should work equally well on desktop and mobile devices
- Components should be reusable
- Don't use third-party libraries unless backed with an explanation for why it's included and how it benefits the solution

## Extra features

Possible extra features to implement


- Action feedback, e.g. information that user has successfully been created
- Provide end-user error messages, e.g. when trying to add a user with an email that already exists
- Input validation, e.g. required fields, email format etc...

## Cross-Origin Resource Sharing (CORS)

Since the Sitoo API hasn't been setup with CORS headers you'll need to use a proxy-server to be able to communicate with the API from the web browser. The server is available on GitHub at <https://github.com/sitoo-tech-career/cors-server>. Follow the instructions in the repository to set it up and remember to prepend the cors-server url to all actual urls.

## GUI Mockup

### List users

Sitoo 

Users

Products

Manufacturers

Name	Email	Date Created	Date Modified
<input checked="" type="checkbox"/> Jennifer Pinsker	jenniferp@example.com	15 Sep, 8:56 AM (2013)	15 Sep, 8:56 AM (2013)
<input checked="" type="checkbox"/> Bob Robson	bob@example.com	15 Sep, 7:12 AM (2013)	15 Sep, 7:12 AM (2013)
<input type="checkbox"/> Michael Robinson	michael@example.com	15 Sep, 4:34 AM (2013)	15 Sep, 4:34 AM (2013)

<<

1

2

3

4

5

6

7

8


9

>>

Delete selected

Add User

### Add user

Sitoo 

Users

Products

Manufacturers

Name	Email	Date Modified
<input checked="" type="checkbox"/> Jennifer Pinsker	jennife	15 Sep, 8:56 AM (2013)
<input checked="" type="checkbox"/> Bob Robson	bob@	15 Sep, 7:12 AM (2013)
<input type="checkbox"/> Michael Robinson	micha	15 Sep, 4:34 AM (2013)

>>

Delete selected

Add User

Add User

First name


Last name

Email

Cancel

Save

## Update user

Sitoo 

Users

Products

Manufacturers

Name	Email	Date Modified
<input checked="" type="checkbox"/> Jennifer Pinsker	jennife	15 Sep, 8:56 AM (2013)
<input checked="" type="checkbox"/> Bob Robson	bob@	15 Sep, 7:12 AM (2013)
<input type="checkbox"/> Michael Robinson	micha	15 Sep, 4:34 AM (2013)

Delete selected

Add User

Update User

First name

Jennifer

Last name

Pinsker

Email

jenniferp@example.com

Cancel

Update