

Introduction

Hello fellow Code Enthusiast!

As part of our interview process we would like you to complete a programming test. The purpose of this assignment is to develop a **small app**. Please read the description, then create an app to solve the problem at hand.

Technical requirements

Please use the following **technologies**:

JS, Git, SCSS any third party library and framework can be used

Description

As part of the test assignment we would like to ask you to build an web application which tackles the everyday problems we face at Wunderfleet. Please create a **git repository** for this task, before you start working.

The web application should be a **basic user registration**, like typically known from similar projects. The registration process contains **4 separated steps**. Only **one step** is shown at a **time** to the customer.

View 1: Insert **personal** information

- Firstname, lastname, telephone

View 2: Insert **address** information

- Address including street, house number, zip code, city

View 3: Insert **payment** information

- Account owner
- IBAN (doesn't need to be validated)
- When clicking the "next" button, the inserted data should be **saved locally** in the browser storage and the **payment data** should be **posted** to our external "demo-payment" api with the following configuration:

URL:

<https://37f32cl571.execute-api.eu-central-1.amazonaws.com/default/wunderfleet-recruiting-backend-dev-save-payment-data>

Example Body of the POST request:

```
{
  "customerId": 1,
  "iban": "DE8234",
  "owner": "Max Mustermann"
}
```

Returns 200 OK on success and the following JSON example response:

```
{
  "paymentDataId": "c68644153714ca78e4102c7f54747a5a3c1c06be332bd4c2b26e7b2a41ed228d86975c9997b96b8bb0da030d34a2be95"
}
```

Save the "paymentDataId" to the customer dataset in your **database**.

On errors, we're returning an error and 4xx Status Code. In the raw Body of the POST request you need to replace the example data with the inserted data from the user.

View 4: Success page

- Success message, when data are successful saved
- Show the "paymentDataId", returned by demo endpoint

Additional Information:

The user is able to **leave** the registration on **every step**/view until he finished the whole registration successfully.

Accordingly to this he should be **redirected** to the **last opened step** when he's joining the process again(re-navigating to the webpage). So the state of already inserted data needs to be saved somehow.

There is no need to validate all form inputs, just use the **basic html validators** if present. **Blank input is not valid** and won't be tested. You don't need to implement access control features. Just implement these Steps.

Please add your **custom SCSS** style to your project, accordingly to the <https://www.wundermobility.com/> **corporate identity**. Please think about a good SCSS structure. Feel free to extend existing libraries.

When you are ready and done, please create a remote repository in **Bitbucket**, push your project into this repository and share it with us.

Please add a **README.txt** in your project and answer the following **questions** in this file:

1. Describe possible optimizations for your code.
2. Which things could be done better, than you've done it?

Keep the **UI minimal** but straightforward! If you feel the need to add some cool features to our small app, feel free to do so.

It will be a big plus if you structure your code using the **MVC/MVI/MVVM** pattern, or any other pattern that you find suitable (and let us know why).

Feel free to contact us with any questions regarding the assignment or the submission process. We would be happy to help!

Good luck! :)