

## 1 Introduction to the Task

We currently have a mailing list subscription API that we would like to build a front end for. This should be built as a React application that enables users to complete the subscription process.

Subscribing to the mailing list is a two-step process:

- Get the user's email and subscribe them
- Get some extra details and amend the subscription profile accordingly

## 2 Assessment Criteria / What we are looking for

**We would like you to spend around 90 minutes to complete this task.** This means (unless you are the world's fastest developer) you are likely to take shortcuts! Please include, in a separate file, a list of concerns and shortcuts you had to take and the reasons.

**When you have completed the task**, please email your code and any supporting documents (zipped up in an archive file) to [careers@productcaregroup.com](mailto:careers@productcaregroup.com).

**If successful, be prepared to present your code and defend your approach.**

## 3 Required Functionality

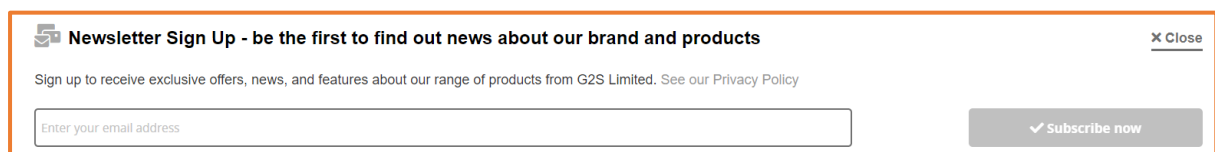
You need to deliver a small React application that allows the user to interact with our Mailing List Service.

Note that unlike live email systems, on this prototype API, no email will be sent to the subscriber. Your only way to know that your call was successful is to capture the response and check the HTTP status code.

The mock screenshots below are only to give you an idea of the components that should be in the form. They are not intended to be a visual guide on what you produce. You may need to produce additional screens to display error/success messages etc.

### 3.1 Step 1

Initially the user should be offered a form where they fill in their email address. Once this is filled in, hitting the "subscribe" should call the subscription endpoint. If successful, the user should be presented with Step 2 (next section).



The mockup shows a form titled "Newsletter Sign Up - be the first to find out news about our brand and products" with a close button. Below the title is a line of text: "Sign up to receive exclusive offers, news, and features about our range of products from G2S Limited. See our Privacy Policy". The form contains a text input field with the placeholder "Enter your email address" and a button labeled "✓ Subscribe now".

### API call details

POST <https://mailing-list.prototype.mmgrouptech.net/subscribe>

{

```
{
  "sourceRef": "YOUR_REFERENCE", //This will be provided to you
  "email": "email@example.com"
}
```

### Main Responses

200 – OK

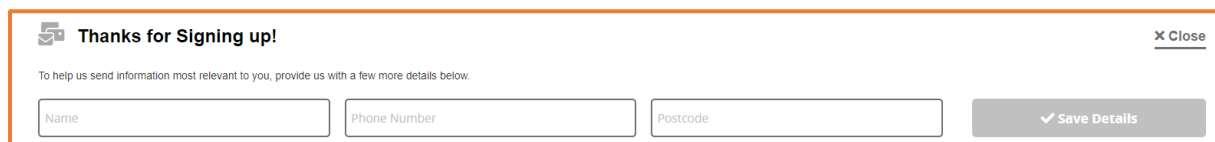
400 – Error (eg duplicate email address)

## 3.2 Step 2

Once users have successfully completed Step 1, they should be offered to provide some more information.

The user should be allowed to submit if completing any of the three fields (should not be forced to complete all three to proceed).

This step is optional and the user might abandon the site without completing it.



### API call details

PATCH <https://mailing-list.prototype.mmgroupstech.net/subscribe/email@example.com>

```
{
  "sourceRef": "YOUR_REFERENCE", //This will be provided to you
  "name": "Test Name", //This key is optional
  "phone": "0123456789", //This key is optional
  "postcode": "M1 1AA" //This key is optional
}
```

### Main Responses

200 – OK

404 – Email provided not found