

# Web Coding Challenge

## Description

- Build a single page app with a sign-up form.
- The form should allow users to enter first name, last name, email, and password.
- All fields are required.
- Password validation:
  - Should be a minimum of eight characters,
  - Should contain lower and uppercase letters,
  - Should not contain user's first or last name.
- Email should be validated but there are various ways of accomplishing this. So, show us what you consider as a proper email validation.
- The form should send a POST request to <https://demo-api.now.sh/users>. The request body example:

```
{
  firstName: "Thomas",
  lastName: "Shelby",
  email: "thomas@shelby.co.uk"
}
```

## How to do it

- Use the latest version of Angular in combination with TypeScript.
- UX/UI can be based on a CSS Framework (or do it yourself with minimal effort).
- You can target browsers that support ES6. Do not worry about supporting old browser versions.
- Make your solution available on GitHub or GitLab or Bitbucket.

## How we review

Your application will be reviewed by two of our engineers. We take your experience level into consideration. The aspects of your code we will assess include:

- **Correctness** – Is it production-ready application? Does the application do what was asked? If not, does the README explain why it is missing and/or different?
- **Code quality** – Are there any code smells? Is the coding style consistent with the Angular style guide?
- **Testing** – Is your logic covered with unit or integration tests?
- **UX** – Is the web interface understandable and pleasing to use?
- **Documentation** – Is there a README covering how to build and run your project?
- **Technical choices** – Are choices of libraries, architecture etc. appropriate for the task?

Good luck!