



## Technical test for Frontend developers

Welcome, first of all we would like to thank you for taking the time to participate in this test. We will assess your knowledge in web development through an exercise where you will have to develop a component using HTML5, CSS3 and Javascript.

- • The scheme to carry out this project as well as all its parameters, including the flow chart, are made in Figma. You can access anonymously or by creating a free account.

[Link To Pinpad design - Figma](#)

- Within the project you will find three sections.
  - o UI-KIT : where you can find all the atomic elements.
  - o Desktop : where you can find the parameters for the development on large screens as well as the entire navigation flow.
  - o Mobile : where you have the elements adapted to the resolutions for portable devices.
- Also, inside this same zip in the /provided-assets folder you will find the fonts as well as an image for the background.
- The task that has been entrusted to you is to make a Pinpad, where an access pin is set only once (the first time you access the site) and where you will be asked for that same pin the next time you access in order to continue.
  - o You should not use frameworks, neither for the JS nor for the CSS part. The requirements are to use just vanilla code.
  - o The design has to be responsive and mobile first.
  - o You should use the less graphic assets as possible and reduce their load.
  - o For the css part you will need to use a css preprocessor, in this case Sass.

- The code must be neat, clean and the folders well structured.
- We recommend using a naming convention such as BEM.
- SEO good practices will be considered.

### Navigation Flow.

1. The user lands on the page and a modal dialog is displayed welcoming him and explaining that she has to set a pin code and press the save button. Once the modal dialog is closed on the cross icon, the user will be able to click on the LCD screen of the Pinpad and enter the text as well as use the number buttons to enter it.
  - Neither alphabetic text nor signs will be valid, only numbers.
  - The SAVE button sets the pin.
  - The C button clears the entered text.
  - The LCD screen will show a validation text, SAVED if everything goes well, ERROR if it has not been possible to save it and NOT A NUMBER if the validation fails.
2. Once the pin is set, another modal will be displayed, announcing to the user that to access they must enter the previously set pin. The user will have 3 attempts to enter their pin correctly, a yellow dialog bar will alert the user of the remaining attempts, when there are no more attempts, the page will redirect to <https://policia.es/> and in the event that the code is correct will redirect to <https://www.codebay-innovation.com/>