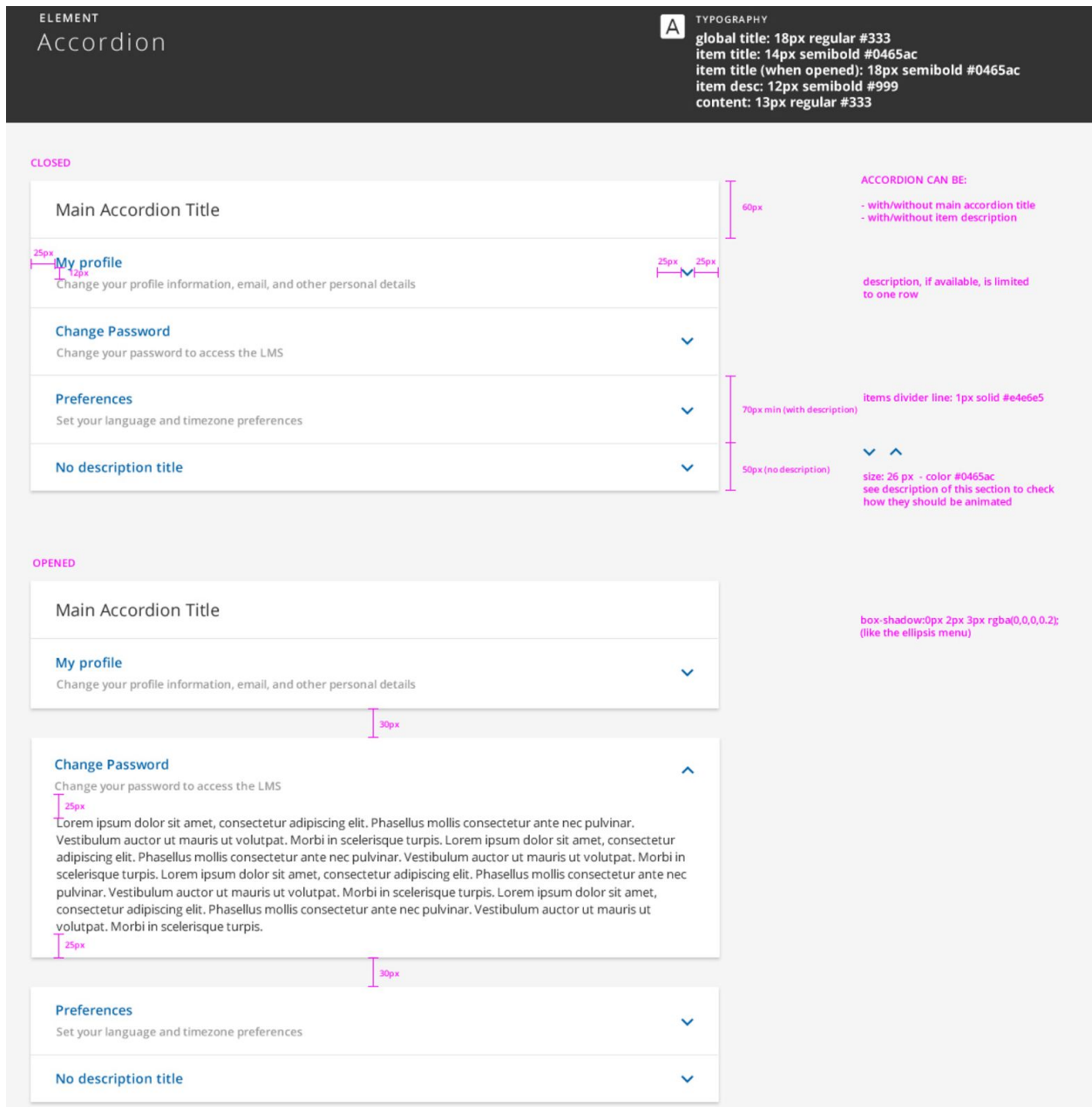


# Frontend Developer assignment

Accordions are UI elements widely used to group logically and visually related items, especially inside enterprise application forms.

The candidate is asked to implement a reusable accordion component, strictly following the specifications reported below.



The candidate is expected to submit a project composed by the following files:

- index.html, the demo page that instantiates the accordion component. Please, follow the structure as below:

```

1  <html>
2  <head>
3    <title>Accordion demo page</title>
4    <meta charset="UTF-8">
5    <link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">
6    <link rel="stylesheet" href="//css/accordion.css">
7    <link rel="stylesheet" href="//css/styles.css">
8    <script type="text/javascript" src="//js/accordion.js"></script>
9  </head>
10
11 <body>
12   <h1>Accordion demo page</h1>
13   <div id="my-accordion"></div>
14
15   <script type="text/javascript">
16     var options = {
17       container: 'my-accordion',
18       mainTitle: 'Main accordion title', // Optional title header
19       panels: [{
20         title: 'My profile',
21         subtitle: 'Update your profile information', // Optional subtitle
22         content: '<p>HTML content for this panel</p>' // HTML to inject as panel content (e.g. a form)
23       }, {
24         title: 'Change password',
25         subtitle: 'Change your login password',
26         content: '<p>HTML content for this panel</p>'
27       },
28       // OTHER PANELS HERE...
29     ]
30   };
31   var accordion = new Accordion(options);
32 </script>
33
34 </body>
35 </html>
36

```

- accordion.scss, the source SCSS containing all styles needed by the accordion component.
- accordion.css, the compiled CSS for the accordion.
- styles.scss, the source SCSS with any additional style needed for the demo page.
- styles.css, the compiled CSS for the demo page.
- accordion.js, the Javascript file implementing the presentation logic for the accordion component.

## Constraints

1. The accordion should work with a dynamic number of panels, opening and closing with a “slide down/slide up” CSS3 animation.
2. The candidate cannot use any third party library (no jquery, prototype, scriptaculous...), with the exception of the Material Icons font.
3. **Javascript code must be properly structured and well commented.**
4. The component should following a “Responsive Fluid grid” based on CSS3 and media queries, as specified by the grid below:

