

Exercises: Templating

1. Contacts Book

Create a simple page containing some cards with contacts. Each card should have a **name** and a **button "Details"**. Each time the button is pressed, you have to **toggle a div** containing more detailed information about the corresponding contact.

You will be provided with the **HTML**, **CSS** and a **JavaScript** file with all the contacts data. You have to create a **separate template** for the contact cards and display all of them on the main page. At the end, the page should look like this:



Hints

First, let us create a **separate html file**, where we will put **our contact cards**:

```
1  {{#each contacts}}
2  <div class="contact card">
3    <div>
4      <i class="far fa-user-circle gravatar"></i>
5    </div>
6
7    <div class="info">
8      <h2>Name: {{name}}</h2>
9      <button class="detailsBtn" onClick="showDetails({{id}})">Details</button>
10     <div class="details" id="{{id}}">
11       <p>Phone number: {{phoneNumber}}</p>
12       <p>Email: {{email}}</p>
13     </div>
14   </div>
15 </div>
```

- We **loop through all the contacts** and we **render the data** about each of them
- We attach a function called **showDetails()** as a click event handler to each **[Details]** button

The next step is to create the functionality for displaying all cards. Create a file - **renderContacts.js**

```
1  $((() => {
2    renderCards();
3    async function renderCards() {
4      const source = await $.get('./contactTemplate.html');
5      const template = Handlebars.compile(source);
6      const context = {contacts};
7      const html = template(context);
8      $('<div class="contact card">').html(html);
9    }
10 });
11
12 function showDetails(id) {
13   $('#<div class="contact card">{{id}}').toggle();
14 }
```

- Create a function that gets our **contactTemplate.html** file
- Pass the **contacts** variable to the context
- Create the **template**
- Get the **div** and fill it with the **compiled HTML**
- Create the **showDetails()** function which toggles the detailed info