

Final Project: Part one

Working with the DOM

In this portion we'll exercise working with the DOM as we pull values from a set of form fields, convert those to HTML and append them to the existing DOM.

1. Edit a new file called index.html. Put in a `<form>` with `<input>` elements for:
 - First
 - Last
 - Email
 - Cell
 - Photo URL
2. Add a button after the form with an id of "addPersonButton" and add a `<section>` tag after that. The `<section>` will eventually be used to hold your output.
3. Create index.js and include it in index.html in a script tag. Create a function in index.js called addPerson().
4. In index.js, add an event listener to the button. When the user clicks it, you should call addPerson(). (Hints: Use getElementById() or querySelector() to get a reference to the button and then use addEventListener() to wire up the click event).
5. Inside addPerson, create variables for first, last, email, cell, and photo url. Populate the variables with the values typed into the form's text boxes. Use the debugger or console.log() them to make sure you've retrieved their values.
6. Create a new person object out of those variables. You'll see a file in starters called persons.json. This can serve as a guide for the shape of this person object.
7. In addPerson(), get a reference to the output `<section>` of your page and add a "person card" inside of it. You can use the person-card.html file in the starters folder if you like. If not, maybe something like this ...

```
<div class="personCard">
  
  <p>${person.name?.first} ${person.name?.last}</p>
  <p>Email: ${person.email}</p>
  <p>Cell: ${person.cell}</p>
</div>
```
8. Test your code. If you do this right, your person will appear on your page when the form is filled out and the button is clicked.
9. When the user clicks "Add person", also clear out the form fields so they can enter another. (Hint: set the value property of each form field or call the reset() method for the form).
10. Let's do a little refactoring. Change your button's click method to add your new person to an array of person objects. Then change your code to loop through that persons array and append your person card to the output `<section>`. This way, each time your user presses the button, it will add multiple persons to the page.

Bonus! If you have extra time, alter your code to put your new person at the top of the list instead of the bottom. (Hint: `Array.unshift()`).