

## Exercises: More DOM Manipulation

### About Me

*Cuz every webpage needs an "About" section.*

- Start with this HTML and save it as "aboutme.html":

```
<!DOCTYPE html> <html> <head> <meta charset="utf-8"/>
<title>About Me</title> </head> <body> <h1>About Me</h1>
<ul> <li>Nickname: <span id="nickname"></span>
<li>Favorites: <span id="favorites"></span> <li>Hometown:
<span id="hometown"></span> </ul> </body> </html>
```
- Add a script tag to the bottom.
- (In JS) Change the body tag's style so it has a font-family of "Arial, sans-serif".
- (In JS) Replace each of the spans (nickname, favorites, hometown) with your own information.
- Iterate through each li and change the class to "listitem". Add a style tag that sets a rule for "listitem" to make the color red.
- Create a new img element and set its src attribute to a picture of you. Append that element to the page.

See Solution

```
<!DOCTYPE html> <html> <head> <meta charset="utf-8"/>
<title>About Me</title> <style> .listitem { color: red;
} </style> </head> <body> <h1>About Me</h1> <ul>
<li>Nickname: <span id="nickname"></span> <li>Favorites: <span
id="favorites"></span> <li>Hometown: <span id="hometown"></span>
</ul> <script> document.body.style.fontFamily = 'Arial, sans-
serif'; document.getElementById('nickname').innerHTML = 'Pamela
Fox'; document.getElementById('favorites').innerHTML = '27';
document.getElementById('hometown').innerHTML = 'Pasadena, CA';
var items = document.getElementsByTagName('li'); for (var i = 0; i
< items.length; i++) { items[i].className = 'listitem'; }
var myPic = document.createElement('img'); myPic.src =
'http://gotocon.com/dl/jaoo_au2008/photos/speakers/Pamela_Fox.jpg';
document.body.appendChild(myPic); </script> </body> </html>
```

### The Book List

*Keep track of which books you read and which books you want to read!*

- Create a webpage with an h1 of "My Book List".
- Add a script tag to the bottom of the page, where all your JS will go.
- Copy this array of books:

```
var books = [ {title: 'The Design of Everyday Things',
author: 'Don Norman', alreadyRead: false }, {title: 'The
Most Human Human', author: 'Brian Christian', alreadyRead:
true } ];
```
- Iterate through the array of books. For each book, create a p element with the book title and author and append it to the page.
- **Bonus:** Use a ul and li to display the books.
- **Bonus:** add a property to each book with the URL of the book cover, and add an img element for each book on the page.
- **Bonus:** Change the style of the book depending on whether you have read it or not.

See Solution

```
<!DOCTYPE html> <html> <head> <meta charset="utf-8"/>
<title>Book List</title> </head> <body> <h1>My Book List</h1>
<script> var books = [ {title: 'The Design of Everyday Things',
author: 'Don Norman', alreadyRead: false }, {title: 'The Most
Human Human', author: 'Brian Christian', alreadyRead: true
} ]; for (var i = 0; i < books.length; i++) { var bookP =
document.createElement('p'); var bookDescription =
document.createTextNode(books[i].title + ' by ' + books[i].author);
bookP.appendChild(bookDescription);
document.body.appendChild(bookP); } // Or, with the bonuses: var
books = [ {title: 'The Design of Everyday Things', img:
```

```
'http://ecx.images-amazon.com/images/I/41j2ODGkJDL._AA115_.jpg',
author: 'Don Norman',    alreadyRead: false  },    {title: 'The Most
Human Human',    img: 'http://ecx.images-
amazon.com/images/I/41Z56GwEv9L._AA115_.jpg',    author: 'Brian
Christian',    alreadyRead: true  }]];    var bookList =
document.createElement('ul'); for (var i = 0; i < books.length; i++)
{    var bookItem = document.createElement('li');    var bookImg =
document.createElement('img');    bookImg.src = books[i].img;
bookItem.appendChild(bookImg);    var bookDescription =
document.createTextNode(books[i].title + ' by ' + books[i].author);
bookItem.appendChild(bookDescription);    if (books[i].alreadyRead) {
bookItem.style.color = 'grey';    }    bookList.appendChild(bookItem);
} document.body.appendChild(bookList); </script>    </body> </html>
```