

- Inside the `outputCountryBox()` function, create two inner functions named `outputCities()` and `outputPhotos()`. These two functions will have the responsibility to generate the markup for the cities and photo boxes.
- Replace the markup for the country boxes with a loop through your array of countries. Within this loop, call your `outputCountryBox()` function, passing it the relevant data from the country objects.

Test

- Test the page in the browser. Verify the correct data is displayed.

PROJECT 3: CRM Admin

DIFFICULTY LEVEL: Intermediate

Overview

Demonstrate your proficiency with JavaScript objects, constructor functions, and prototypes. The final project will look similar to that shown in Figure 8.28.

Instructions

- You have been provided with the HTML file (`chapter08-project03.html`) that includes the markup (as well as images and stylesheet) for the finished version. Preview the file in a browser. You will be replacing the markup for the five book “cards” with a JavaScript loop.
- Create a JavaScript constructor function called `Book()` that has the signature shown below. Use the `this` keyword to save the parameters as object properties.

```
function Book(isbn,title,description,universities) { }
```

- Create an array of five `Book` objects using your function constructor. Pass in the appropriate data (taken from the markup) for each book as parameters. The university data should be passed as an array of names.
- Add a function named `outputCard()` as a prototype function to your `Book` function object. This function should generate the markup (using `document.write()`) for a single book card. It should reference the book object’s data properties via the `this` keyword.
- Replace the markup for the book cards with an immediately-invoked function expression that loops through your array of `Book` objects and calls the object’s `outputCard()` function.

Test

- Test the page in the browser. Verify the correct data is displayed (including the book title as the cover images `title` attribute).



**HANDS-ON
EXERCISES**

Project 8.3