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| Address Book |
| Sample Code |
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# Overview

When the page is visited a list of contacts is displayed in a table to form an address book. The following information is displayed: name, phone number and address.

# Languages, Libraries and Methods

The application was written using the following:

Languages and libraries

* HTML
* CSS
* JavaScript
* JQuery

Methods and formats

* AJAX
* JSON

# Functionality

1. Upon the page loading, an HTTP request is made, using AJAX, to retrieve the contents from the JSON file.
2. Upon receipt of the JSON file contents, a JavaScript object is returned to the success function.
3. Within the success function the following occurs:
   1. The JavaScript object is assigned to a new variable
   2. The table element is retrieved and assigned to a variable
   3. The JavaScript object is looped through to create each row for the table.
      1. Before adding the phone to the row string, a separate function is called to reformat the phone number in (xxx) xxx–xxxx format if it’s a valid 10 digit phone number.
   4. Once the rows are created, they are appended to the table element
4. The page renders the table, without reloading the page, displaying the contacts that were saved in the JSON file.