## Programmer 1 Demonstration Mini-Project, UM Libraries

**Goal:** Using one of the following languages (Python, PHP, Java, C#), consume sample data from an API endpoint and present the information in a webpage. During the second interview, you will present your solution to members of the University of Miami Libraries over a Zoom call, using that software’s screen-sharing functionality. You will walk us through your code, identify any issues you encountered, and outline any enhancements that one might make.

**Endpoint:** <https://api-na.hosted.exlibrisgroup.com/almaws/v1/conf/sets/1327214400000521/members?apikey=l8xxd676f2aa10c2482e95457d2f264bd8d6&format=json>

**Data:** The data is from the Libraries’ Ex Libris Alma data management system (an “Integrated Library System” or ILS). It is a small set of nine items, which in turn require API calls to get the bibliographic data.

There are a large number of fields of data available; for the purposes of this exercise, we are only interested in **Title, Author, ISBN**, **Date of Publication,** and **Call Number**.

**Presentation**: In a valid HTML document, output all items. Make them sortable by Title and Date of Publication. Don’t worry too much about the look and feel, but make sure your HTML is semantic, and could be easily styled by a web designer.

**Notes:**

* For this exercise, do not use a JavaScript framework. If you would like to use a language other than Python, PHP, Java or C#, please check first.
* If you want to use JavaScript for any event handling, please use vanilla JavaScript.
* Some data might need to be cleaned up for presentation.
* Please post your code to GitHub in advance of the interview.
* Consider security.
* Questions about this project may be addressed to Andrew Darby, agdarby@miami.edu.