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# Search Button Appear at OnCreate

## Desirable:

A Button object should appear when the user first opens the app.

## Procedure:

1. Open an Android device/ emulator.
2. If the app does not appear automatically (as in using a physical Android device), navigate to the ICLibrary app in the launcher screen.
3. Tap the ICLibrary app launch icon.

## Result:

A MainActivity will appear with a Button object in the upper left-hand corner of the MainActivity’s Layout. The Button’s label should read “Search.”

# XML Parser Generates Array of Materials

## Desirable:

The XML Parser in the DatabaseRequest class should parse the XML response from the library website to create an array of Material Objects to store material data.

## Procedure:

1. Retrieve XML from library website. A request can be made manually if search has not yet been implemented by inserting the desired URL into the code.
   1. Example URL with results: **http://phoebe.ithaca.edu:7014/vxws/SearchService?searchCode=NKEY&maxResultsPerPage=25&recCount=25&searchArg=dickens**
   2. Example URL without results: **http://phoebe.ithaca.edu:7014/vxws/SearchService?searchCode=NKEY&maxResultsPerPage=25&recCount=25&searchArg=asdfghjkl**
   3. Example URL with error (not API format): **http://phoebe.ithaca.edu:7014/vxws/SearchService?searchCode=ASDFGHJKL&maxResultsPerPage=25&recCount=25&searchArg=asdfghjkl**
   4. Example “URL” with error (bad HTTP request): **asdfghjkl**
2. Pass XML to XML Parser test function.
3. Print resulting Material array to log.

## Result:

If there are no results OR a bad HTTP request was made, then the result should be an empty list. Otherwise, each item in the Material array should contain all available data given by the library XML.