



## Python skill testing project

**Objective:** Build a Python app that creates a playlist on Spotify, featuring an artist's latest setlist.

**Architecture:** Your code will be divided into 3 separate modules that will call each other when necessary. This document contains the specification for the first module.

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### Module 1: `scrape.py`

Contains a function with the following signature:

**`find_songs(artist) => songs`**

<b>artist</b>	a string containing the name of a musician or band
<b>songs</b>	a list of strings containing the names of the latest songs by the musician <b>artist</b>
<b>find_songs</b>	a function that reads in data from <a href="http://www.setlist.fm">http://www.setlist.fm</a> to obtain the names of the songs in an artist's latest (non-empty) setlist. This is called <b>scraping</b> .

Your module can contain additional functions, but you must have **`find_songs()`** somewhere in your script.

**User Experience:** The user enters an artist's name, and receives a list containing strings with the corresponding song names.

**Requirements:** this module should use at least one example of **list comprehension**, and should use **error handling**.

**Hint:** for scraping, your best bet is to use **BeautifulSoup**:

<https://www.crummy.com/software/BeautifulSoup/bs4/doc/>

This is a handy package that lets you manipulate and parse HTML files.

Once you've completed this exercise, send it to [@yazabi](#) and we'll give you feedback on your code!