Build a small application that a library would use to track the checking-out and checking-in of library books. Refer to the Database Diagram to the right for sample database tables for this application: there are Libraries, Books, Library Books, and Users.

This should be a RESTful API application written in Python 3.6 (or above) and you should assume the database is SQLite. Take into consideration that there could be many versions of these endpoints in the future. The goal of this exercise it to see how you might impliment a simple application quickly, efficiently, and cleanly.

Please make sure you do the following (read all before starting):

1. Define and document (route and description) all endpoints that you believe would be necessary for this application to function properly; NOTE: you will not have to write code for all of these endpoints, we just would like to see which endpoints you think might be necessary to run this application now and into the near future -- don't document too many, be judicious.

2. Write code in Python to create a basic service that could accepts routes via Curl

3. At a minimum, write code in Python, and show a sample of the request & response based on the code you write, for endpoints that will do the following:
   a) Create a book record
   b) Create a library book record
   c) Check-out a library book
   d) Check-in a library book
   e) List all library books checked-out to a user
   f) List all library books checked-out of a library

4. Write unit/integration tests for at least 2 of the endpoints in #3 above.

5. Outline how you might improve this service by adding authentication. Suggest approaches.

6. Outline what questions you would like to ask this product's owner in order to understand how to write this code better and prepare for future changes.

7. Submit all code to the Thirstie Github repo assigned to you