**CS 6314.002 - Practice Work - 5**

**Due date:** March 20, 2017, 10pm

Implement a simple RESTful web service by using PHP.

Your web service should provide information about books.

http://localhost/books should give list of books that are stored in your database.

Response generated by the web service can be in JSON or XML format.

Your database (database name: PW5) will have following table:

Book (Book-id, title, year, price, category)

You can use books.xml to populate your table.

**Deliverables:** Zip index.php and screenshot of your result into yournetid-PW5.zip and send through eLearning.

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You will need to configure your MAMP server to make it compatible with REST.

**How to configure MAMP for Mac OS:**

Create api folder under /Applications/MAMP/htdocs directory.

Save index.php under /Applications/MAMP/htdocs/api directory.

Add below line to /Applications/MAMP/conf/apache/httpd.conf file:

Alias /books "/Applications/MAMP/htdocs/api/index.php"

**How to configure MAMP for Windows:**

Create api folder under C:/MAMP/htdocs directory.

Save index.php under C:/MAMP/htdocs/api directory.

Add below line to C:/MAMP/conf/apache/httpd.conf file:

Alias /books "C:/MAMP/htdocs/api/index.php"

Restart apache server.

Check your api at http://localhost/books.

**Important reminder:** Make sure your database name, table name and attribute names match with given names. You also make sure to use default hostname, username and password for database connection. (host: localhost, username: root, password: root). Otherwise you will lose points for not complying with the standards of the assignment.

<?xml version="1.0" encoding="UTF-8"?>

<bookstore>

<book category="cooking">

<title lang="en">Everyday Italian</title>

<author>Giada De Laurentiis</author>

<year>2005</year>

<price>30.00</price>

</book>

<book category="children">

<title lang="en">Harry Potter</title>

<author>J K. Rowling</author>

<year>2005</year>

<price>29.99</price>

</book>

<book category="web">

<title lang="en">XQuery Kick Start</title>

<author>James McGovern</author>

<author>Per Bothner</author>

<author>Kurt Cagle</author>

<author>James Linn</author>

<author>Vaidyanathan Nagarajan</author>

<year>2003</year>

<price>49.99</price>

</book>

<book category="web" cover="paperback">

<title lang="en">Learning XML</title>

<author>Erik T. Ray</author>

<year>2003</year>

<price>39.95</price>

</book>

</bookstore>