King Saud University College of Computer and Information Science Information Technology Department	IT 329 – Advanced Web Technologies 2nd Semester 1442 H Final Lab – 2 hours (10 points)

Part 1: Database

- Go to phpMyAdmin and create a database called "**`ABCPublisher`**" and then import the database file "**`ABCPublisher.sql`**".
  Note: the database contains the following tables:
  - `Book (bookID, category, title, authors, price)`
  - `BookOrders (bookID, bookStore, quantity, month)`

Part 2: PHP Project

- Create a PHP project in NetBeans. Name the project "`IT329FinalLab`" followed by your full name and KSU ID: **"`IT329FinalLab_name_ID`"**.
- Create the following three PHP pages:
  - **`allPublisherBooks.php`**
    - It retrieves all books in the database and display them in a table as follows:

Book Title	Book Category
…	…

    - For each book in the table, the book title in the table should link to the information page for that book. Clicking on this link should send a GET request for `bookPage.php` with the `bookID`.
  - **`bookPage.php`**
    - Using the `bookID`, it retrieves the book information and orders from the database and displays them in the page with the following format:

Book Title
Category: _____
Authors: _____
Price: _____

Book Orders - 2021
Total Book Orders: _____

Book Orders:

Bookstore Name	Order Quantity	Month

Add New Order:
Bookstore: [ ]
Quantity: [ ]
Month: [Jan ▽]

[Add]

- The first part of the page displays the book information: title, category, authors, and price.
    - Using the `bookID`, it retrieves the book information from the `Book` table in the database.
- The second part displays the total orders of this book from all bookstores.
    - Using the `bookID`, it retrieves all the book's order from the `BookOrders` table in the database.
        - If there are no orders for this book, it displays "No Orders Yet".
        - Otherwise, it calculates and displays the total ordered quantity for all the orders for this book.
          Total = (Sum of quantity for all the orders for this book)
- The third part displays all the orders for this book in a table.
- The fourth part allows the addition of a new order for this book.
    - It contains input fields for the bookstore name, order quantity, and month. The month should be a drop-down menu for months from Jan to Dec. It also contains a hidden input field that has its value set to the `bookID`. You can use the following code to produce this part in your PHP code:

```
echo "<h2>Add New Order</h2>";
echo "Bookstore: <input type='text' id='bookstore'/><br/>";
echo "Quantity: <input type='text' id='quantity'/><br/>";
echo "Month: <select id='month'><option value='Jan'>Jan</option><option value='Feb'>Feb</option><option
value='Mar'>Mar</option><option value='Apr'>Apr</option></select>";
echo "<input type='hidden' id='bookID' value='".$bookID."'><br/>";
echo "<button>Add</button>";
```

    - It contains an "Add" button that will use **Ajax** to add the new order:
        - Using jQuery, it sends an asynchronous POST request for `newOrder.php` with the order information: book ID, bookstore name, order quantity, and month. The response for this request is whether the addition was successful or not. When the response is received, it displays an appropriate message, and it uses jQuery to erase the contents of the input fields if the addition was successful.

- **`newOrder.php`**
    - Using the sent order information, it adds a new order in the `BookOrders` table in the database.
    - It returns a response of whether the addition was successful or not. The format for this response can be any format you choose.

Part 3: Submission

When you finish, export your NetBeans PHP project. The folder should contain all the three files: `allPublisherBooks.php`, `bookPage.php`, and `newOrder.php`. Upload and submit your exported project in LMS using the final lab submission link.