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Section-K23MB

Code:

```
<?php
```

```
// Define data file
```

```
$dataFile = 'library_data.json';
```

```
// Load existing data
```

```
$books = [];
```

```
if (file_exists($dataFile)) {
```

```
    $books = json_decode(file_get_contents($dataFile), true);
```

```
}
```

```
// Handle form submissions
```

```
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
```

```
    // Add new book
```

```
    if (isset($_POST['add'])) {
```

```
        $newBook = [
```

```
            'id' => uniqid(),
```

```
            'title' => htmlspecialchars($_POST['title']),
```

```
            'author' => htmlspecialchars($_POST['author']),
```

```
            'isbn' => htmlspecialchars($_POST['isbn']),
```

```
            'year' => (int)$_POST['year'],
```

```
            'quantity' => (int)$_POST['quantity']
```

```
        ];
```

```
        $books[] = $newBook;
```

```
        file_put_contents($dataFile, json_encode($books));
```

```

    }

    // Delete book
    if (isset($_POST['delete'])) {
        $bookId = $_POST['book_id'];
        $books = array_filter($books, function($book) use ($bookId) {
            return $book['id'] !== $bookId;
        });
        file_put_contents($dataFile, json_encode(array_values($books)));
    }
}
?>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Library Management System</title>
    <script src="https://cdn.tailwindcss.com"></script>
</head>
<body class="bg-gray-100 min-h-screen p-8">
    <div class="max-w-4xl mx-auto">
        <h1 class="text-3xl font-bold text-pink-400 mb-6">Library Management system</h1>

        <!-- Add Book Form -->
        <div class="bg-white p-6 rounded-lg shadow-md mb-8">
            <h2 class="text-xl font-semibold mb-4">Add New Book</h2>

```

```
<form method="POST">

  <div class="grid grid-cols-1 md:grid-cols-2 gap-4">

    <div>

      <label class="block text-sm font-medium text-gray-700">Title</label>

      <input type="text" name="title" required

        class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
focus:border-blue-500 focus:ring-blue-500">

    </div>

    <div>

      <label class="block text-sm font-medium text-gray-700">Author</label>

      <input type="text" name="author" required

        class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
focus:border-blue-500 focus:ring-blue-500">

    </div>

    <div>

      <label class="block text-sm font-medium text-gray-700">ISBN</label>

      <input type="text" name="isbn" required

        class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
focus:border-blue-500 focus:ring-blue-500">

    </div>

    <div>

      <label class="block text-sm font-medium text-gray-700">Publication
Year</label>

      <input type="number" name="year" min="1900" max="<?= date('Y') ?>"
required

        class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
focus:border-blue-500 focus:ring-blue-500">
```

</div>

<div>

<label class="block text-sm font-medium text-gray-700">Quantity</label>

<input type="number" name="quantity" min="1" value="1" required

class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
focus:border-blue-500 focus:ring-blue-500">

</div>

</div>

<button type="submit" name="add"

class="mt-4 bg-pink-400 hover:bg-blue-700 text-white px-4 py-2 rounded-md
transition-colors">

Add Book

</button>

</form>

</div>

<!-- Books List -->

<div class="bg-white rounded-lg shadow overflow-hidden">

<table class="min-w-full divide-y divide-gray-200">

<thead class="bg-gray-50">

<tr>

<th class="px-6 py-3 text-left text-xs font-medium text-gray-500
uppercase">Title</th>

<th class="px-6 py-3 text-left text-xs font-medium text-gray-500
uppercase">Author</th>

<th class="px-6 py-3 text-left text-xs font-medium text-gray-500
uppercase">ISBN</th>

```
        <th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase">Year</th>
```

```
        <th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase">Quantity</th>
```

```
        <th class="px-6 py-3 text-left text-xs font-medium text-gray-500 uppercase">Actions</th>
```

```
    </tr>
```

```
</thead>
```

```
<tbody class="bg-white divide-y divide-gray-200">
```

```
    <?php foreach ($books as $book): ?>
```

```
    <tr>
```

```
        <td class="px-6 py-4 whitespace-nowrap"><?= $book['title'] ?></td>
```

```
        <td class="px-6 py-4 whitespace-nowrap"><?= $book['author'] ?></td>
```

```
        <td class="px-6 py-4 whitespace-nowrap"><?= $book['isbn'] ?></td>
```

```
        <td class="px-6 py-4 whitespace-nowrap"><?= $book['year'] ?></td>
```

```
        <td class="px-6 py-4 whitespace-nowrap"><?= $book['quantity'] ?></td>
```

```
        <td class="px-6 py-4 whitespace-nowrap">
```

```
            <form method="POST" class="inline">
```

```
                <input type="hidden" name="book_id" value="<?= $book['id'] ?>">
```

```
                <button type="submit" name="delete"
```

```
                    class="text-red-600 hover:text-red-900"
```

```
                    onclick="return confirm('Are you sure?')">
```

```
                    Delete
```

```
                </button>
```

```
            </form>
```

```
        </td>
```

```
    </tr>
```

```
    <?php endforeach; ?>
```

```
</tbody>
```

```
        </table>
    </div>
</div>
</body>
</html>
```

Output:

Library Management system

Add New Book

Title

Author

ISBN

Publication Year

Quantity

Add Book

TITLE	AUTHOR	ISBN	YEAR	QUANTITY	ACTIONS
math	suman	456	2004	1	Delete