**Index.php**

<?php

include("connect.php");

try {

$result = $db->query("SELECT \* FROM books ORDER BY id DESC");

} catch (Exception $e) {

echo "Unable to retrieve books. </br>";

echo "Error: ".$e->getMessage()."</br>";

exit;

}

?>

<html>

<head>

<title>Book Inventory</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link href="style.css" rel="stylesheet">

</head>

<body>

<h1>Book Inventory</h1>

<h2><a href="add.php">Add new book</a></h2>

<div>

<table>

<thead>

<th>Title</th>

<th>Author</th>

<th>Year</th>

</thead>

<tbody>

<?php

while($row = $result->fetch(PDO::FETCH\_ASSOC)) {

echo "<tr>";

echo "<td>".$row['title']."</td>";

echo "<td>".$row['author']."</td>";

echo "<td>".$row['year']."</td>";

echo "<td><a href=\"edit.php?id=$row[id]\"> Edit </a></td>";

echo "<td><a href=\"delete.php?id=$row[id]\" onClick=\"return confirm('Are you sure you want to delete this book?')\">Delete</a></td></tr>";

}

?>

</tbody>

</table>

<div>

</body>

</html>

**Add.php**

<?php

$title = $author = $year = '';

if($\_SERVER['REQUEST\_METHOD'] == 'POST'){

$title = trim(filter\_input(INPUT\_POST, 'title', FILTER\_SANITIZE\_STRING));

$author = trim(filter\_input(INPUT\_POST, 'author', FILTER\_SANITIZE\_STRING));

$year = trim(filter\_input(INPUT\_POST, 'year', FILTER\_SANITIZE\_NUMBER\_INT));

if(empty($title) || empty($author) || empty($year)){

$message = "<p style='color:#FFC107;'>Please fill out all fields.</p>";

} else {

include("connect.php");

$sql = 'INSERT into books(title, author, year) VALUES(?, ?, ?)';

try {

$results = $db->prepare($sql);

$results->bindValue(1, $title, PDO::PARAM\_STR);

$results->bindValue(2, $author, PDO::PARAM\_STR);

$results->bindValue(3, $year, PDO::PARAM\_INT);

$results->execute();

$message = "<p style='color:lime;'>Book added successfully!</p>";

$title = $author = $year = '';

} catch(Exception $e){

$message = "<p style='color:#FFC107;'>Error: " . $e->getMessage() . "</p>";

exit;

}

}

}

?>

<html>

<head>

<title>Add Book</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link href="style.css" rel="stylesheet">

</head>

<body>

<h1>Book Inventory</h1>

<div>

<form method="post">

<h2>Add New Book</h2>

Title

</br>

<input type="text" name="title" value="<?php echo $title; ?>"/>

</br>

Author

</br>

<input type="text" name="author" value="<?php echo $author; ?>"/>

</br>

Year

</br>

<input type="number" name="year" value="<?php echo $year; ?>"/>

</br>

<button type="submit">Submit</button>

<?php if(isset($message)){ echo "$message";} ?>

</form>

<p><a href="index.php">View Books</a></p>

</div>

</body>

</html>

**Connect.php**

<?php

$databaseHost = 'localhost';

$databaseName = 'book';

$databaseUsername = 'root';

$databasePassword = 'root';

try {

$db = new PDO("sqlite:".\_\_DIR\_\_."/test.db");

$db->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

} catch (Exception $e) {

echo "Unable to connect to database<br/>";

echo $e->getMessage();

exit;

}

// echo "Connected to the database";

**Database.sql**

create database book;

use book;

CREATE TABLE `books` (

`id` int(11) NOT NULL auto\_increment,

`title` varchar(100) NOT NULL,

`author` varchar(100) NOT NULL,

`year` int(4) NOT NULL

PRIMARY KEY (`id`)

);

Screenshots:



