**Test Case 1: Add a Book**

* Input: **Add** option, book title: "Harry Potter", author: "J.K. Rowling"
* Expected Output: "Book added successfully."
* Library should contain: [{"title": "Harry Potter", "author": "J.K. Rowling"}]

**Test Case 2: Remove a Book**

* Input: **Remove** option, book title: "Harry Potter"
* Expected Output: "Book removed successfully."
* Library should contain: **[]**

**Test Case 3: Show Books**

* Input: **Show** option
* Expected Output: "The library is empty." (since we removed the book in Test Case 2)
* Library should contain: **[]**

**Test Case 4: Add Multiple Books**

* Input: **Add** option, book title: "To Kill a Mockingbird", author: "Harper Lee"
* Input: **Add** option, book title: "1984", author: "George Orwell"
* Expected Output: "Book added successfully." (twice)
* Library should contain: **[{"title": "To Kill a Mockingbird", "author": "Harper Lee"}, {"title": "1984", "author": "George Orwell"}]**

**Test Case 5: Invalid Option**

* Input: **5** (invalid option)
* Expected Output: "Invalid option. Please try again."
* Library should remain unchanged.