Test Cases - Postman Library API

TCID	Module	Precondition	Description	Test Steps	Expected Result	Image	Result
TC001	Get All Books	API server is running	Retrieve all books	1. Send GET /books 2. Verify response status and format	**200 OK** + JSON array of books	▬	Pass
TC002	Get Fiction Books	Books with genre fiction exist	Retrieve books filtered by genre 'fiction'	1. Send GET: https://library-api.postmanlabs.com/books?genre=fiction&checkedOut=false 2. Verify all returned books have genre=fiction	**200 OK** + filtered list	▬	Pass
TC003	Get Book by ID	Book with specific ID exists	Retrieve a book by valid ID	1. Send GET /books/{id} 2. Verify correct book details returned	**200 OK** + book detail	▬	Pass
TC004	Add Book	Valid x-api-key	Add a new book	1. Send POST /books with valid data 2. Add x-api-key in header	201 Created + new book ID	▬	Pass
TC005	Checkout Book	Book exists & not checked out	Mark book as checked out	1. Send PATCH /books/{id} with checkedOut=true 2. Add x-api-key	**200 OK** + book updated	▬	Pass
TC006	Delete Book	Book ID exists	Delete a book	1. Send DELETE /books/{id} 2. Add x-api-key	**204 No Content**	▬	Pass
TC007	Skill Check	Skill check endpoint exists	Submit skill check form	1. Send POST /skill-check 2. Verify result	**200 OK** + response	▬	Pass
TC008	Missing Field	Valid API key, missing field	Add book without required title	1. Send POST /books missing title 2. Add x-api-key	**400 Bad Request**	▬	Pass