Library Management REST API - Documentation

# 1. Project Overview

This is a simple RESTful API developed using Node.js and Express for managing a library system. The API allows basic CRUD (Create, Read, Update, Delete) operations on a collection of books.

# 2. Technologies Used

- Node.js  
- Express.js  
- Postman (for API testing)  
- JavaScript

# 3. API Endpoints

## 3.1 Add a Book

• Method: POST  
• Endpoint: /books

• Request Body (JSON):

{  
 "title": "The Alchemist",  
 "author": "Paulo Coelho"  
}

• Response: Book added!

## 3.2 Get All Books

• Method: GET  
• Endpoint: /books

• Response Example (JSON):

[  
 {  
 "title": "The Alchemist",  
 "author": "Paulo Coelho"  
 }  
]

## 3.3 Update a Book

• Method: PUT  
• Endpoint: /books/:id

• Request Body (JSON):

{  
 "title": "Updated Book Title",  
 "author": "New Author Name"  
}

• Response: Book updated!

## 3.4 Delete a Book

• Method: DELETE  
• Endpoint: /books/:id

• Response: Book deleted!

# 4. How to Run This Project

1. Install Node.js  
2. Go to the project folder in terminal  
3. Run: npm install express  
4. Start server: node server.js  
5. Test endpoints using Postman

**SCREEN SHOTS –**





