GET Endpoints

- Get All Employees

Description: Create a GET endpoint `/api/employees` that returns a list of all employees.

Input: N/A

Output: [{"name": "Alice", "age": 25}, {"name": "Bob", "age": 30}]

- Get Book by Title

Description: Create a GET endpoint `/api/books/{title}` to fetch book details by title.

Input: /api/books/Geeta

Output: {"title": "Geeta", "author": "Vyasa", "year": 300}

POST Endpoints

- Add Product

Description: Create a POST endpoint `/api/products` to add a product.

Input: {"name": "Laptop", "price": 50000, "quantity": 10}

Output: {"name": "Laptop", "price": 50000, "quantity": 10}

- Register Student

Description: Create a POST endpoint `/api/students/register` to register a student.

Input: {"name": "Priya", "rollNo": 101, "course": "B.Tech"}

Output: {"name": "Priya", "rollNo": 101, "course": "B.Tech"}

PUT Endpoints

- Update Product Quantity

Description: Create a PUT endpoint `/api/products/{name}` to update product quantity.

Input: {"quantity": 20}

Output: {"name": "Laptop", "price": 50000, "quantity": 20}

- Update Student Info

Description: Create a PUT endpoint `/api/students/{rollNo}` to update student info.

Input: {"course": "M.Tech"}

Output: {"name": "Priya", "rollNo": 101, "course": "M.Tech"}

DELETE Endpoints

- Delete Employee

Description: Create a DELETE endpoint `/api/employees/{name}` to delete an employee.

Input: /api/employees/Alice

Output: Employee Alice deleted successfully.

- Delete Book

Description: Create a DELETE endpoint `/api/books/{title}` to delete a book.

Input: /api/books/Geeta

Output: Book Geeta deleted successfully.

PATCH Endpoints

- Update Employee Age

Description: Create a PATCH endpoint `/api/employees/{name}` to update age only.

Input: {"age": 26}

Output: {"name": "Alice", "age": 26}

- Update Book Year

Description: Create a PATCH endpoint `/api/books/{title}` to update year.

Input: {"year": 350}

Output: {"title": "Geeta", "author": "Vyasa", "year": 350}

OPTIONS Endpoints

- Check Employee Endpoint Options

Description: Create an OPTIONS endpoint `/api/employees` to return allowed methods.

Input: OPTIONS /api/employees

Output: GET, POST, PUT, DELETE, OPTIONS

- Check Products Endpoint Options

Description: Create an OPTIONS endpoint `/api/products` to return allowed methods.

Input: OPTIONS /api/products

Output: GET, POST, PUT, DELETE, OPTIONS