

MERN Practice Questions -

1. Course Enrollment Management System

MongoDB Collection: Courses

Fields: courseId, courseName, instructor, duration, fees

Backend (ExpressJS APIs)

- Add a new course
- Fetch all courses
- Update course duration or fees

Frontend (ReactJS)

- Home page with system intro
- Add Course page (Form)
- View Courses page
- Update button in table → open edit form
- After update → redirect to View Courses

2. Hotel Room Booking System

MongoDB Collection: Rooms

Fields: roomType, pricePerNight, status (Available / Booked)

Backend APIs

- Add room
- View all rooms
- Change room status to "Booked"

Frontend

- Home Page showing hotel overview
- Add Room Page
- Rooms List with filter dropdown (Available / Booked)

- Book button in each row

3. Library Member Registration Portal

Collection: Members

Fields: fullName, membershipType, joinDate

Backend

- Add member
- View members
- Delete member

Frontend

- Home → About library
- Add Member form
- View Members table with Delete button

4. Sports Tournament Team Management System

Collection: Teams

Fields: teamId, teamName, coach, category (Junior/Senior), playersCount

Backend APIs

- Add new team
- View teams

Frontend

- Home Page
- Add Team Page
- View Teams Page + Search by category

5. Driver Management System

Collection: Drivers

Fields: name, licenseNumber, experienceYears, contact

APIs

- Add driver
- View all drivers
- Delete driver by ID

Frontend

- React Router pages: Home, Add Driver, All Drivers
- All Drivers page with delete option

6. Hostel Student Management System

Collection: HostelStudents

Fields: name, roomNo, course, contact

Backend

- Add student
- Display students

Frontend

- Add Student Form
- View Students with search box (Search by Room No)

7. Medicine Inventory Management

Collection: Medicines

Fields: name, type, stock, price

Backend

- Add medicine
- View medicines

Frontend

- Add Medicine Form
- View Medicines Page with sorting dropdown

8. Photography Studio Booking System

Collection: Bookings

Fields: customerName, serviceType, date, amount

API Tasks

- Create booking
- View all bookings
- Delete booking

Frontend

- Home with service list
- Add Booking
- View Bookings table + delete

9. Real Estate Property Listing System (MERN)

Collection: Properties

Fields: title, location, price, propertyType

Backend APIs

- Add property
- View property list

Frontend

- Add Property
- View Properties with:
 - Filter by type
 - Sort by price (Low → High / High → Low)

10. Food Delivery Menu Management (MERN)

Collection: MenuItem

Fields: itemName, category, price, availability

Backend

- Add item
- Delete item
- View all items

Frontend

- Add Menu Item
- View Menu Items with delete & filter

11. Job Application Tracker (MERN)

Collection: Applications

Fields: applicantName, position, status, email

Backend

- Add application
- Update status
- View all applications

Frontend

- Add Application Form
- View Applications with status update button