

## MONGODB Assignment – 2

### 1. E-Commerce Store

```
const user = { name: "string", email: { type: "string", unique: true, }, password:
{ type: "string", minLength: 8, maxLength: 20 } };
const product = { title: "string", description: "string", price: { type: "number", min:
0, }, category: "string", stock: { type: "number", min: 0, }, };
const order = { userId: "ObjectId", products: [ { productId: "ObjectId", quantity:
{ type: "number", min: 1, }, }, ], totalAmount: { type: "number", min: 0, },
orderDate: "Date", };
const review = { userId: "ObjectId", productId: "ObjectId", rating: { type: "number",
min: 1, max: 5, }, comment: "string", };
```

### 2. Online Course Platform

```
const courseUser = { name: "string", email: { type: "string", unique: true }, role:
{ type: "string", enum: ["student", "instructor"], }, };
const course = { title: "string", instructorId: "ObjectId", category: "string", price:
{ type: "number", min: 0, }, createdAt: "Date", lessons: [ { title: "string", videoURL:
"string", duration: { type: "number", min: 1, }, }, ], };
const enrollment = { userId: "ObjectId", courseId: "ObjectId", enrollDate:
"Date", };
```

### 3. Event Booking System

js CopyEdit

```
const eventUser = { name: "string", email: { type: "string", unique: true }, role:
{ type: "string", enum: ["organizer", "attendee"], }, };
const event = { title: "string", organizerId: "ObjectId", location: "string", startTime:
"Date", endTime: "Date", capacity: { type: "number", min: 1, }, };
const booking = { eventId: "ObjectId", attendeeId: "ObjectId", bookingDate:
"Date", };
```

### 4. Blogging Platform

js CopyEdit

```
const author = { name: "string", email: { type: "string", unique: true }, bio:
"string", };
const article = { title: "string", content: "string", authorId: "ObjectId", tags:
["string"], published: "boolean", createdAt: "Date", };
const comment = { articleId: "ObjectId", userName: "string", commentText:
"string", postedAt: "Date", };
```

### 5. Subscription App

js CopyEdit

```
const subscriptionUser = { email: { type: "string", unique: true, }, name: "string",
signupDate: "Date", };
```

```
const plan = { name: "string", price: { type: "number", min: 0, }, features: ["string"],  
  billingCycle: { type: "string", enum: ["monthly", "yearly"], }, };  
const subscription = { userId: "ObjectId", planId: "ObjectId", startDate: "Date",  
  isActive: "boolean", };
```