

MONGODB ASSIGNMENT – 2

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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

js

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```
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
```

```
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```

```
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

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```
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

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```
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",

};
```