MongoDb Assignment(2)

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Section – C

1. **E-Commerce Store – Product & Orders.**

```
const userSchema = {
fullName: { type: "string" },
email: {
 type: "string",
 unique: true
},
password: {
 type: "string",
 minLength: 8,
 maxLength: 20
 }
};

const productSchema = {
 name: { type: "string" },
 details: { type: "string" },
 cost: {
```

```javascript
      type: "number",
      min: 0
    },
    type: { type: "string" },
    inventory: {
      type: "number",
      min: 0
    }
};

const purchaseSchema = {
  buyerId: "ObjectId",
  items: [
    {
      itemId: "ObjectId",
      count: {
        type: "number",
        min: 1
      }
    }
  ],
  amountPaid: {
    type: "number",
    min: 0
  },
```

```
  placedAt: "Date"

};


const feedbackSchema = {

  reviewerId: "ObjectId",

  itemId: "ObjectId",

  score: {

   type: "number",

   min: 1,

   max: 5

  },

  message: "string"

};
```

2. <u>Online Course Platform – Instructors & Students.</u>

```
const userProfile = {

  fullName: "string",

  emailAddress: {

   type: "string",

   unique: true

  },

  accessLevel: {
```

```
    type: "string",

    enum: ["learner", "teacher"]

  }

};


const learningModule = {

 courseTitle: "string",

 mentorId: "ObjectId",

 topic: "string",

 cost: {

  type: "number",

  min: 0

 },

 publishedOn: "Date",

 content: [

  {

   lessonName: "string",

   mediaLink: "string",

   length: {

    type: "number",

    min: 1

   }

  }

 ]

};
```

```
const courseRegistration = {

  studentRef: "ObjectId",

  moduleRef: "ObjectId",

  registeredOn: "Date"

};
```

3. Event Booking System – Organizers & Attendees.

```
const participantSchema = {

 fullName: "string",

 emailAddress: {

  type: "string",

  unique: true

 },

 userRole: {

  type: "string",

  enum: ["host", "guest"]

 }

};

const occasionSchema = {

 eventName: "string",

 hostId: "ObjectId",

 venue: "string",
```

```
  beginsAt: "Date",

  endsAt: "Date",

  seatsAvailable: {

   type: "number",

   min: 1

  }

};


const reservationSchema = {

  scheduledEventId: "ObjectId",

  participantId: "ObjectId",

  reservedOn: "Date"

};
```

4. **Blogging Platform – Authors & Articles.**

```
const writerProfile = {

  fullName: "string",

  contactEmail: {

   type: "string",

   unique: true

  },

  biography: "string"

};
```

```
const blogPostSchema = {

  heading: "string",

  bodyText: "string",

  writerId: "ObjectId",

  keywords: ["string"],

  isPublished: "boolean",

  postedOn: "Date"

};


const responseSchema = {

  blogRef: "ObjectId",

  commenterName: "string",

  messageBody: "string",

  timestamp: "Date"

};
```

5. <u>Subscription App – Users & Plans.</u>

```
const memberSchema = {

  contactEmail: {

    type: "string",

    unique: true

  },

  fullName: "string",
```

```
  joinedOn: "Date"

};


const pricingPlanSchema = {

 planTitle: "string",

 cost: {

  type: "number",

  min: 0

 },

 perks: ["string"],

 renewalInterval: {

  type: "string",

  enum: ["monthly", "yearly"]

 }

};


const membershipSchema = {

 memberRef: "ObjectId",

 planRef: "ObjectId",

 activatedOn: "Date",

 currentlyActive: "boolean"

};
```

Thank You