1) E-Commerce Store – Product & Orders

```
const userschema= new Schema({
  name:{type:String,default:"kaalu",required:true},
  email:{type:String,unique:true,required:true},
  password:{type:String,minlength:8,required:true}
})
const product= new Schema({
  title:{type:String,required:true},
  description:{type:String,required:true},
  price:{type:Number,required:true},
  category:{type:Stringrequired:true},
  stock:{type:Number,required:true}
})
const order= new Schema({
  orderId:{type:Number,required:true,unique:true},
  product:[{
    productId:{type:Number,required:true},
    quantity:{type:Number,required:true}
  }],
  total_amount:{type:Number,required:true},
  order_date:{type:Date,required:true}
})
const review= new Schema({
  rating:{type:Number,min:1,max:5},
  comment:{type:String}
})
```

2) Online Course Platform – Instructors & Students

```
const userschema= new Schema({
  name:{type:String,default:"kaalu",required:true},
  email:{type:String,unique:true,required:true},
  role:{type:String,enum:["Student","instructor"],required:true}
})
const course= new Schema({
  title:{type:String,required:true},
  instructorId:{type:Number,required:true },
  category:{type:String,required:true},
  price:{ type: Number,min: 0,required:true},
  createdAt:{type:Date,default:Date.now,required:true}
});
const lesson= new Schema({
  title:{type:String,required:true},
  videoURL:{type:String,required:true},
  duration:{type:Number,min:1,required:true}
});
```

3) Event Booking System – Organizers & Attendees

```
const userschema= new Schema({
  name:{type:String,default:"kaalu",required:true},
  email:{type:String,unique:true,required:true},
  role:{type:String,enum:["Organizer","attendee"],required:true}
})
const event=new Schema({
  title:{type:String,required:true},
  organizerId:{type:Number,required:true},
```

```
    location:{type:String,required:true},
    startTime:{type:Date,required:true},
    endTime:{type:Date,required:true},
    capacity:{type:Number,required: true,min:1}
})
const bookingSchema = new Schema({
    eventId:{ type:Number,required:true},
    attendeeId:{type:Number,required:true},
    bookingDate:{type:Date,default:Date.now}
});
```

4) Blogging Platform – Authors & Articles

```
const author=new Schema({
    name:{type:String,required:true},
    email:{type:String,required:true,unique:true},
    bio:{type:String,required:true}
})
const articles=new Schema({
    title:{type:String,required:true},
    content:{type:String,required:true},
    authorId:{type:Number,required:true,unique:true},
    tags:{type:String, enum:['tech','life','health','education'],required:true},
    published:{type:Boolean,required:true},
    createdAt:{type:date,default:date.now}
})
const comment=new Schema({
    articleId:{type:Number,ref:"article"},
    name:{type:String,required:true},
    CommentText:{type:String,required:true},
    PostedAt:{type:date,default:date.now}
})
```

5) Subscription App – Users & Plans

```
const author=new Schema({
    name:{type:String,required:true},
    email:{type:String,required:true,unique:true},
    signupDate:{type:date,required:true}
})
const plans=new Schema({
    name:{type:String,required:true},
    price:{type:Number,min=0,required:true},
    feature:{type:String,required:true},
    billingCycle:{type:String,enum:["Monthly","yearly"],required:true}
})
const subscription=new Schema({
    userId:{type:Number,required:true,unique:true},
    planId:{type:Number,required:true,unique:true},
    startDate:{type:date,required:true},
    isActive:{type:Boolean,required:true}
})
```