1. Product
   Schema:

   name: { type: String, required: true },
   dimension: { length: { type: Number, required: true },
   width: { type: Number, required: true },
   height: { type: Number, required: true } },
   needUrgent: { type: Boolean, default: false },
   reachStatus: { type: String, enum: ['Pending', 'In-Transit', 'Delivered'], default: 'Pending' }

2. Destination:

   address: { type: String, required: true },
   city: { type: String, required: true },
   state: { type: String, required: true },
   zipCode: { type: String, required: true }

3. Truck Schema:

   truckId: { type: String, required: true },
   capacity: { type: Number, required: true }, // Capacity in kilograms
   currentLocation: { lat: { type: Number, required: true }, lng: { type: Number, required: true } }

4. Cost Schema:

   product: { type: Schema.Types.ObjectId, ref: 'Product', required: true },
   destination: { type: Schema.Types.ObjectId, ref: 'Destination', required: true },
   cost: { type: Number, required: true }

5. GraphSchema:

   destinations: [{ type: Schema.Types.ObjectId, ref: 'Destination' }],
   costMatrix: [{
           from: { type: Schema.Types.ObjectId, ref: 'Destination' },
           to: { type: Schema.Types.ObjectId, ref: 'Destination' },
   cost: { type: Number, required: true } }]