**Introduction**

**Business Schema for the ecommerce project :**

**A screenshot of a computer program

Description automatically generated**

1. **Generate and config the docker container of MongoDB and mongo express images**
   1. **generate schema for the project**
   2. **generate collection for inventor**
2. **generate module for projects**
   1. **generate entities for products and their categories**
   2. **generate DTO to validate the data**
   3. **generate crud services for the products with Inject Model the entities by mongoose**
   4. **generate controller to route to services**

**Notes**

1. **generate full module** 
   1. **in controller phase**
      1. **@Query & @Param & @Body**
      2. **@ValidationPipe**
      3. **Async & await**
      4. **Promise**
      5. **Exception handling**
   2. **In service**
      1. **@InjectModel(Product.name)**
      2. **Model<ProductDoc>**
   3. **In models**
      1. **export const ProductSchema = SchemaFactory.createForClass(Product);**
      2. **export type ProductDoc = Product & Document;**