Demo Installations:  
  
**Angular & Material**  
ng new frontend  
cd frontend  
ng add material

**EF**  
dotnet add package Microsoft.EntityFrameworkCore

dotnet add package Microsoft.EntityFrameworkCore.SqlServer

dotnet add package Microsoft.EntityFrameworkCore.Tools  
**CSV**

dotnet add package CsvHelper

**Migrations** (create the DB and its tables)  
dotnet ef migrations add InitialCreate //or dotnet ef migrations add AddFeatureXXX

dotnet ef database update

if we do use join table than the collections in both models and also a DbSet<GeneDisease>  
in the DbContext !  
should be link to it, ex:  
in Gene:  
public List<GeneDisease> GeneDiseases { get; set; } = new();  
and also in Disease:  
public List<GeneDisease> GeneDiseases { get; set; } = new();

**Run ElasticSearch without security (easy for dev/demo)**

Add environment variables when starting the container:  
(docker rm -f elastic) //if needed to remove previous runngin elasticsearch container!

docker run -d --name elastic -p 9200:9200 -p 9300:9300 -e "discovery.type=single-node" -e "xpack.security.enabled=false" docker.elastic.co/elasticsearch/elasticsearch:8.10.2

<http://localhost:9200/_cat/indices>? //to see the indices  
<http://localhost:9200/diseases/_search?pretty>