Advanced Data Management 2022/2023

Practical Assignment #1 Aggregate-oriented logical design

Student Id #1:S4545532Student Id #2:S4701853Name #1:GiacomoName #2:ManuelSurname #1:GarbarinoSurname #2:Parmiggiani

Output STEP 1: Workload formalization

```
Q1:
       E: Product
       LS: [Product(IdProd)]
       LP: [For(Quantity), Offer(Price), User(IdU, Name, BirthDate)]
Q2:
       E: Offer
       LS: [Offer(IdO)]
       LP: [Product(IdProd, BasePrice, Description)]
Q3:
       E: Product
       LS: [Product(Description)]
       LP: [User(idU)]
Q4:
       E: User
       LS: []
       LP: [User(IdU, Name, BirthDate), Region(IdRegion, Name, Area)]
Q5:
       E: Product
       LS: [Product(BasePrice)]
       LP: [Comment(Text), Offer(Price, DateTime)]
Q6:
       E: User
       LS: [User(IdU), Comment(DateTime)]
       LP: [Comment(Text), Product(BasePrice, Description)]
Q7:
       E: Product
       LS: [Product(IdProd)]
       LP: [Region(IdRegion)]
Q8:
       E: Category
       LS: [Category(IdCat)]
```

LP: [Product(BasePrice)]

THE OUTPUT OF STEP 2 IS THE ANNOTATED ENTITY RELATIONSHIP DIAGRAM, THAT HAS TO BE DELIVELERED TOGETHER WITH THIS FILE

Output STEP 3: Aggregate-oriented logical schema

Product :
{ IdProd, BasePrice, Description, offers : [{ IdU, Name, BirthDate, Price, Quantity }], liked_by : [IdU], comments : [{Text, Price, Offer.DateTime}], regions_of_offers : [IdRegion] }
User :
{ IdU, User.Name, BirthDate, IdRegion, Region.Name, Area, comments : [{Text, DateTime, BasePrice, Description}] }
Offer:
{ IdO, IdProd, BasePrice, Description}
Category: { IdCat, prices: [Price] }