INF115 Compulsory Exercise 2
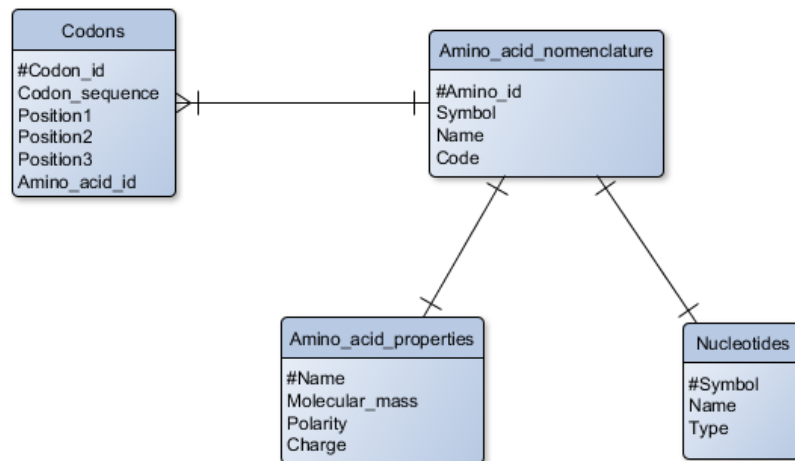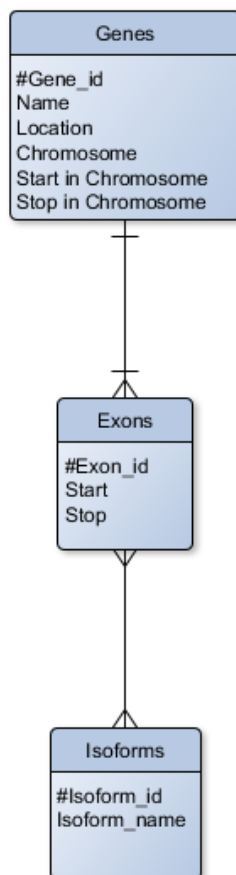
1)

2)

i) Entities are Genes, Exons and Isoforms.

ii)

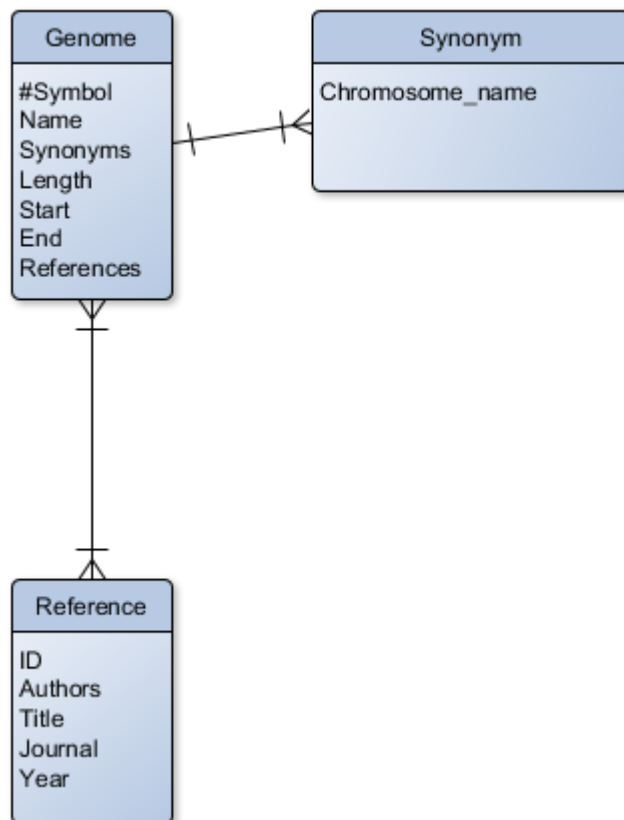

iii)

Gene(#Gene_id, Name, Location…)

Exon(#Exon_id, Start, Stop)

Isoform(#Isoform_id, Isoform_name)

3)

i) Entities are Genome, Synonym and Reference

ii)

iii)

Genome(#Symbol, Name, Synonyms, Length, Start, End, Reference*)

Synonym(Chromosome name)

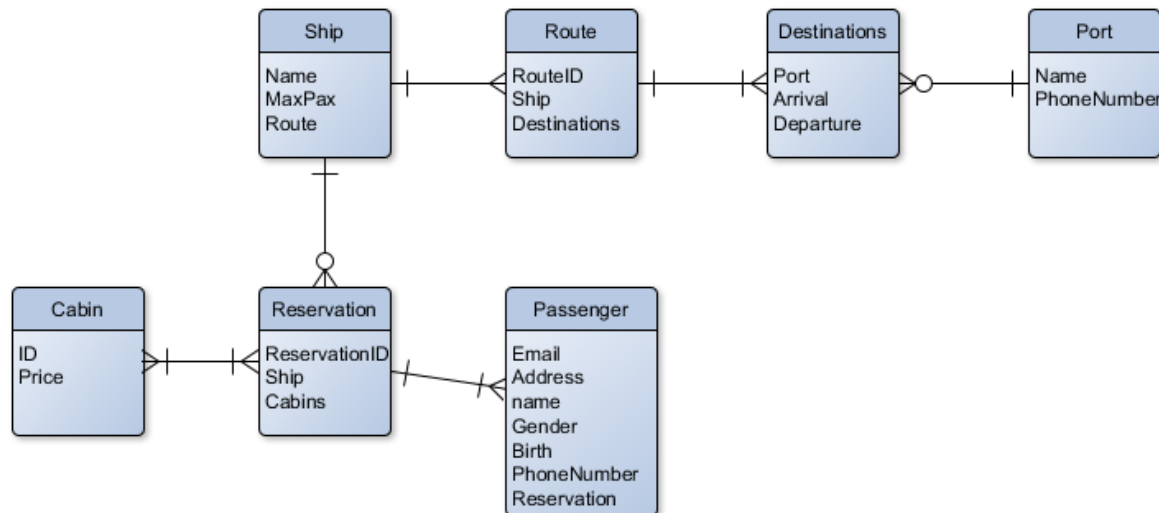Reference(#ID, Authors, Title, Journal, Year)

iv)

Genome(#Symbol, Name, Synonyms, Length, Start, End, Reference*)

Synonym(Chromosome name)

Reference(#ID, Authors, Title, Journal, Year)

4)

5)

i) It's unclear if the which dates the truck is occupied. Is it occupied the entire assignment period or only start date and/or end date?

ii)

Registration_number → Registration_year

Registration_number→ Model

Registration_number → Maximum_weight

Model → Maximum_weight

iii)

Registration_number

iv)

Container_type(#Type_id, Type_name, Max_weight_Cubic_quantity, Nightly_rate)

Container(#Container_number, Type_id*)

Customer(#Telephone_number, Address)

Assignment(#Assignment_number, Telephone_number*, Container_number*, Start_date, End_date)

Truck(#Registration_number, Registration_year, Model*, Assignment_number*)

Model(#Model, Maximum_weight)