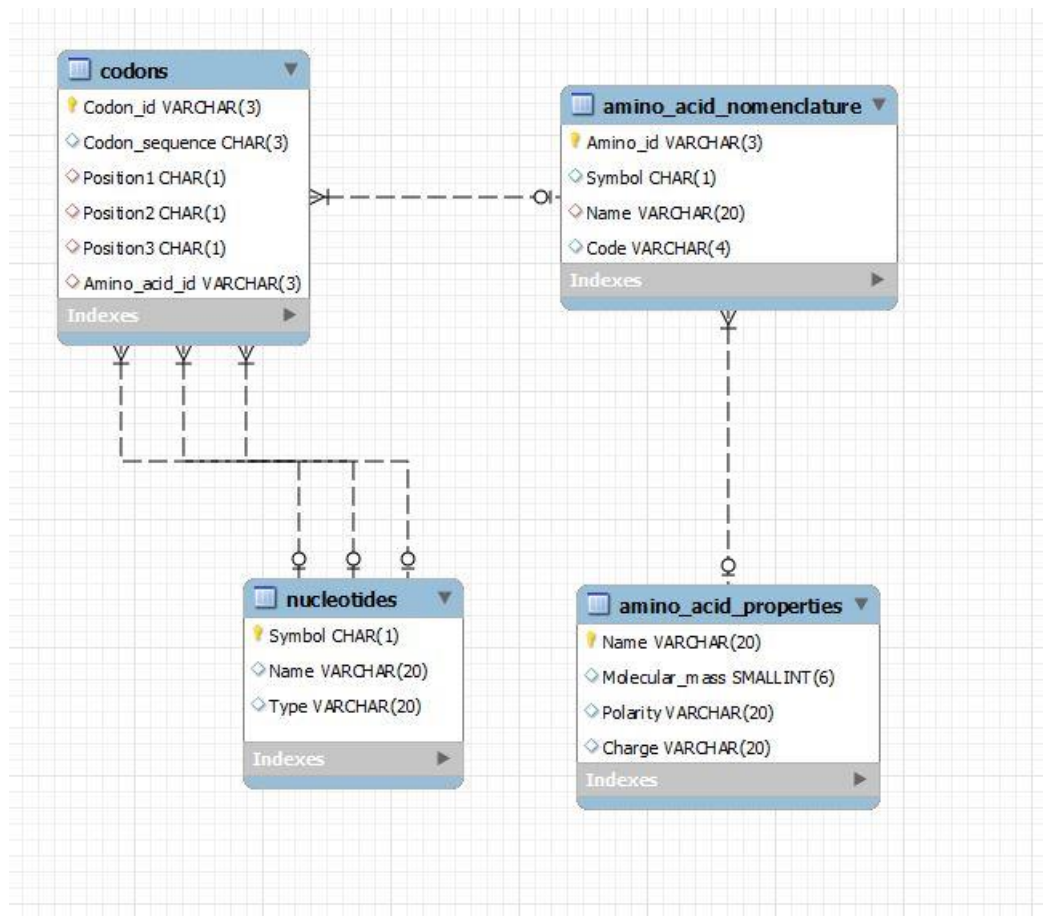


INF115 Compulsory Exercise 2

Erlend Olsen

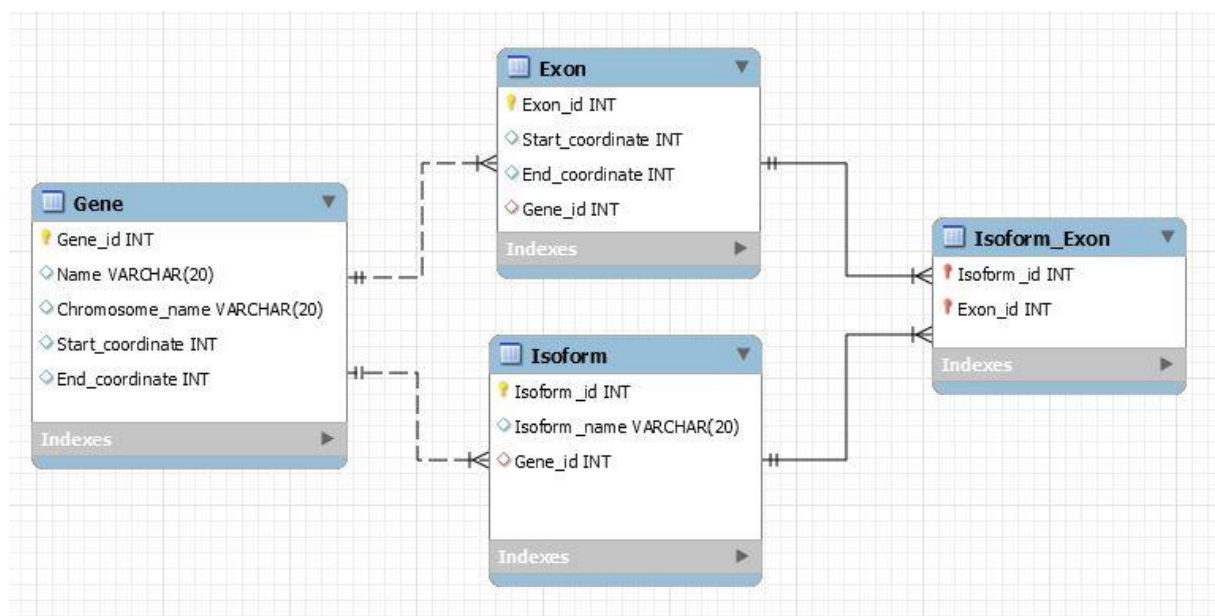
1:



2i:

Entities: Gene, Exon, Isoform, Isoform_Exon

2ii:



2iii:

Gene(#Gene_id, Name, Chromosome_name, Start_coordinate, End_coordinate)

Exon(#Exon_id, Start_coordinate, End_coordinate, Gene_id*)

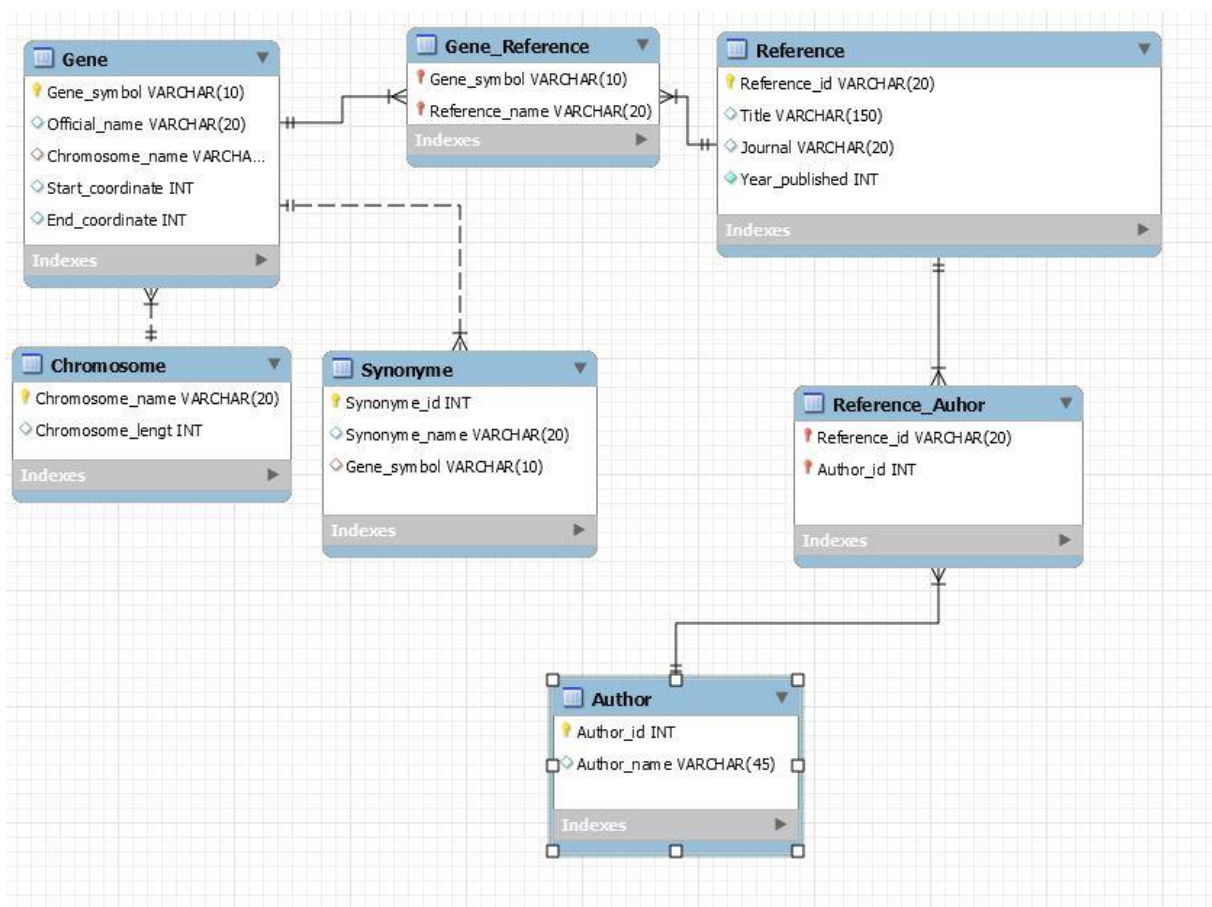
Isoform(#Isoform_id, Isoform_name, Gene_id*)

Isoform_Exon(#Isoform_id, #Exon_id)

3i:

Entities: Gene, Synonyme, Chromosome, Reference, Gene_Reference, Author, Reference_Author.

3iii:



3iii:

Chromosome(#Chromosome_name, Chromosome_length)

Gene(#Gene_symbol, Official_name, Chromosome_name*, Start_coordinate, End_coordinate)

Synonyme(#Synonyme_id, Synonyme_name, Gene_symbol*)

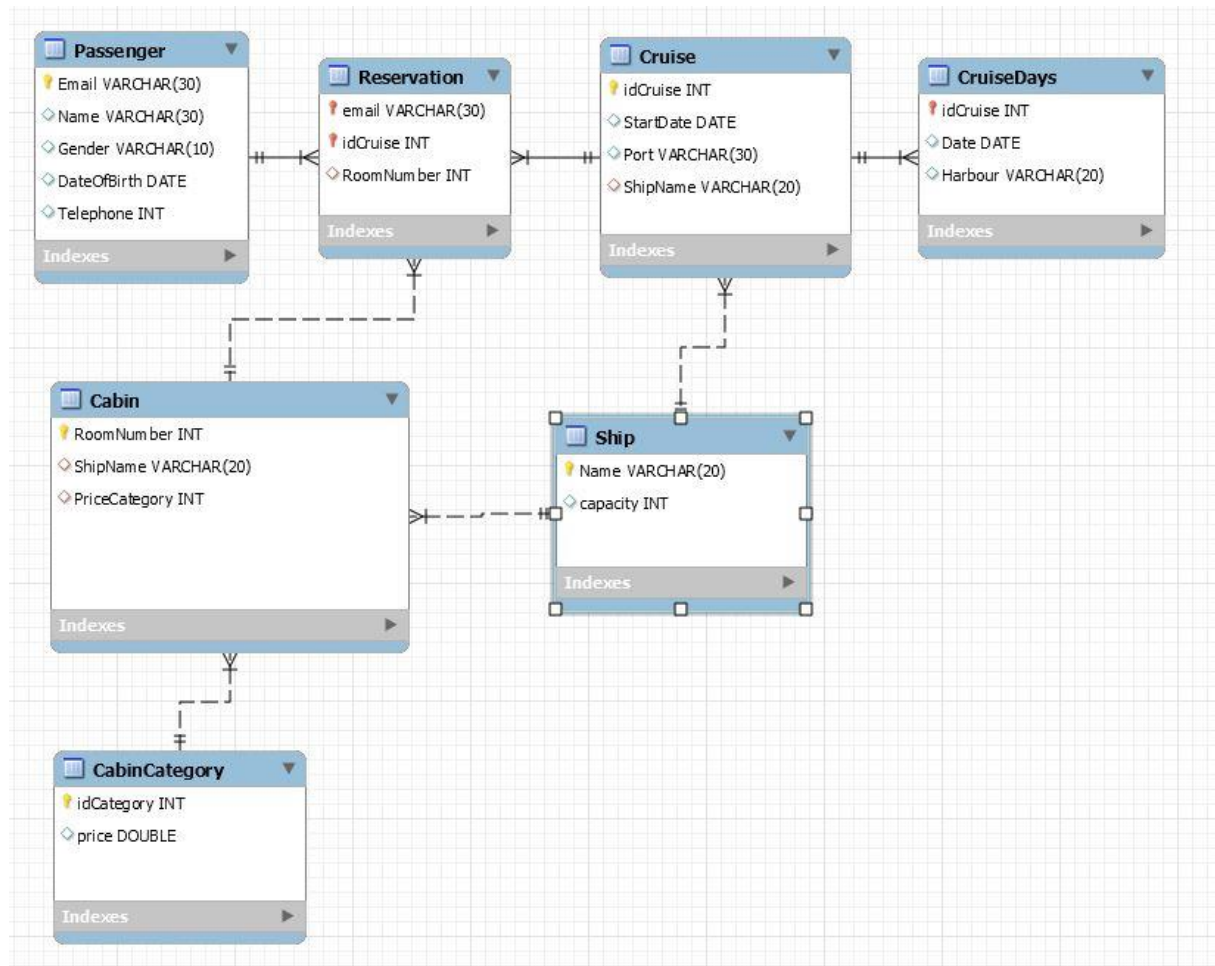
Reference(#Reference_id, Title, Journal, Year_published)

Gene_Reference(#Gene_symbol*,#Reference_name*)

Author(#Author_id, Author_name)

Reference_Author(#Reference_id*, #Author_id*)

4:



5i:

Only one assignement can be assigned to one truck.

The next time this truck is rented out it will overwrite the last assignement so no records are kept.

5iii:

Primary Key: Registration_number.