

Inf115 Compulsory Exercises 2

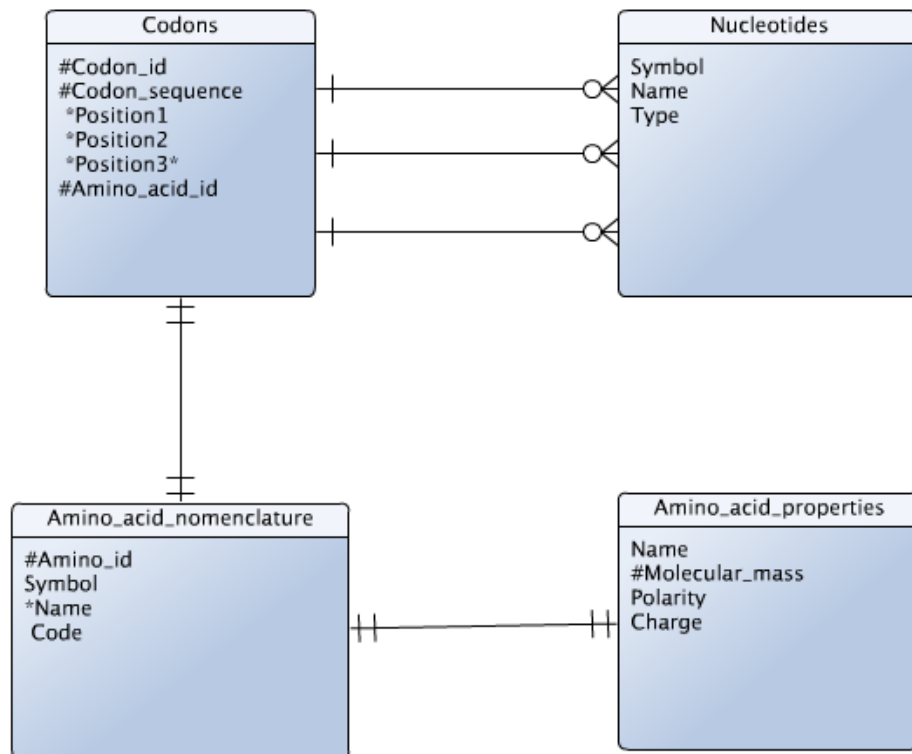
Navn: Dersim Waisi

Fag: Inf115

Data: 07.04.16

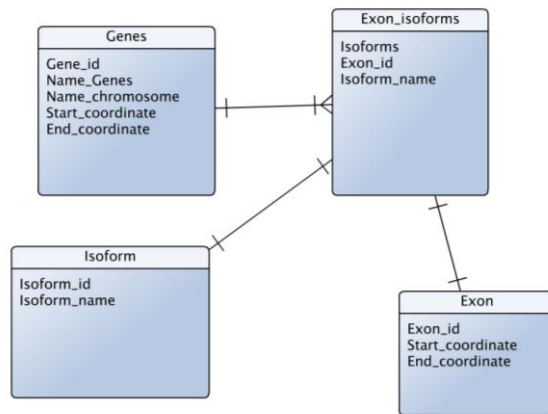
Øvelse: 2

Oppgave1)



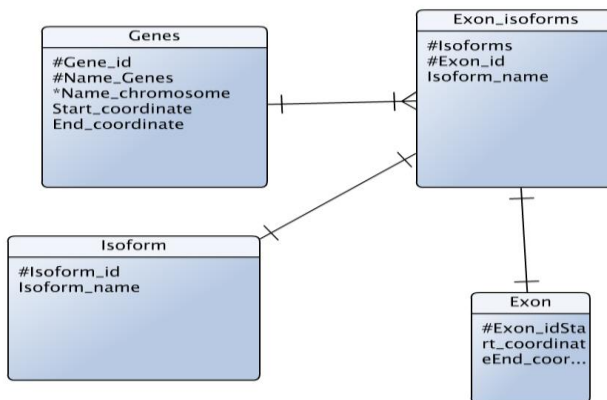
Oppgave 2

i) Gene, Exon og Kromosomer er entitiesene



ii)

I oppgave 2i, har jeg laget en entites for Genes, Exons_isoform, Isoforms og Exons, og deres primær nøkkel.



iii)

Samme som ii) Vi kan gå exons av gener gjennom exon_isoform og få navn av isoformer gjennom gene_isoform

Genes

#Gene_id	Name	Start_coordinate	Slutt_coordinate
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Exons_Isoforms

#Isoforms_id	*Exon_id	Isoform_name	Exon_name
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Isoform

#Isoform_id	Isoform_name
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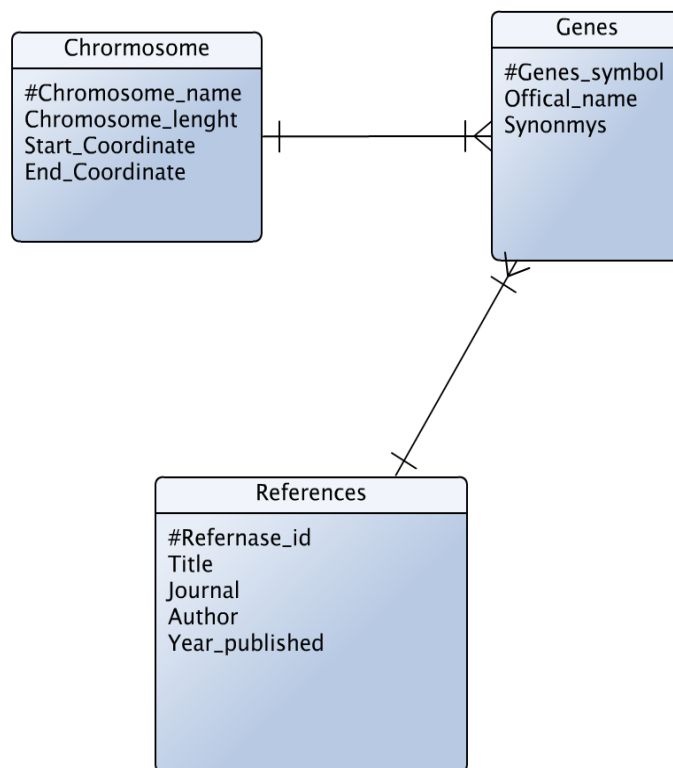
Exon

#Exon_id	Start_coordinate	Stop_coordinate
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Oppgave 3

i) Genes, referanse og kromosomer som er entitesene i databesen

ii)



iii)

Chromosome

#Chromosome_name	Chromosome_lenght	Start_Coordinate	End_Coordinate
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Genes

#Gene_symbol	Offical_name	Synonyms
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Reference

#Referanse_id	Title	Journal	Author	Year_published
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iv)

Genes_Tabel1

#Genes_symbol	*Genes_name		
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Genes_Tabel2

Synonmy	#Genes_name		
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Chromosome_Tabel1

#Chromosome_name	*Chromosome_lenght	*Chromosome_start	
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Chromosome_Tabel2

#Chromosome_lenght	Chromosome_start	End_coordinate
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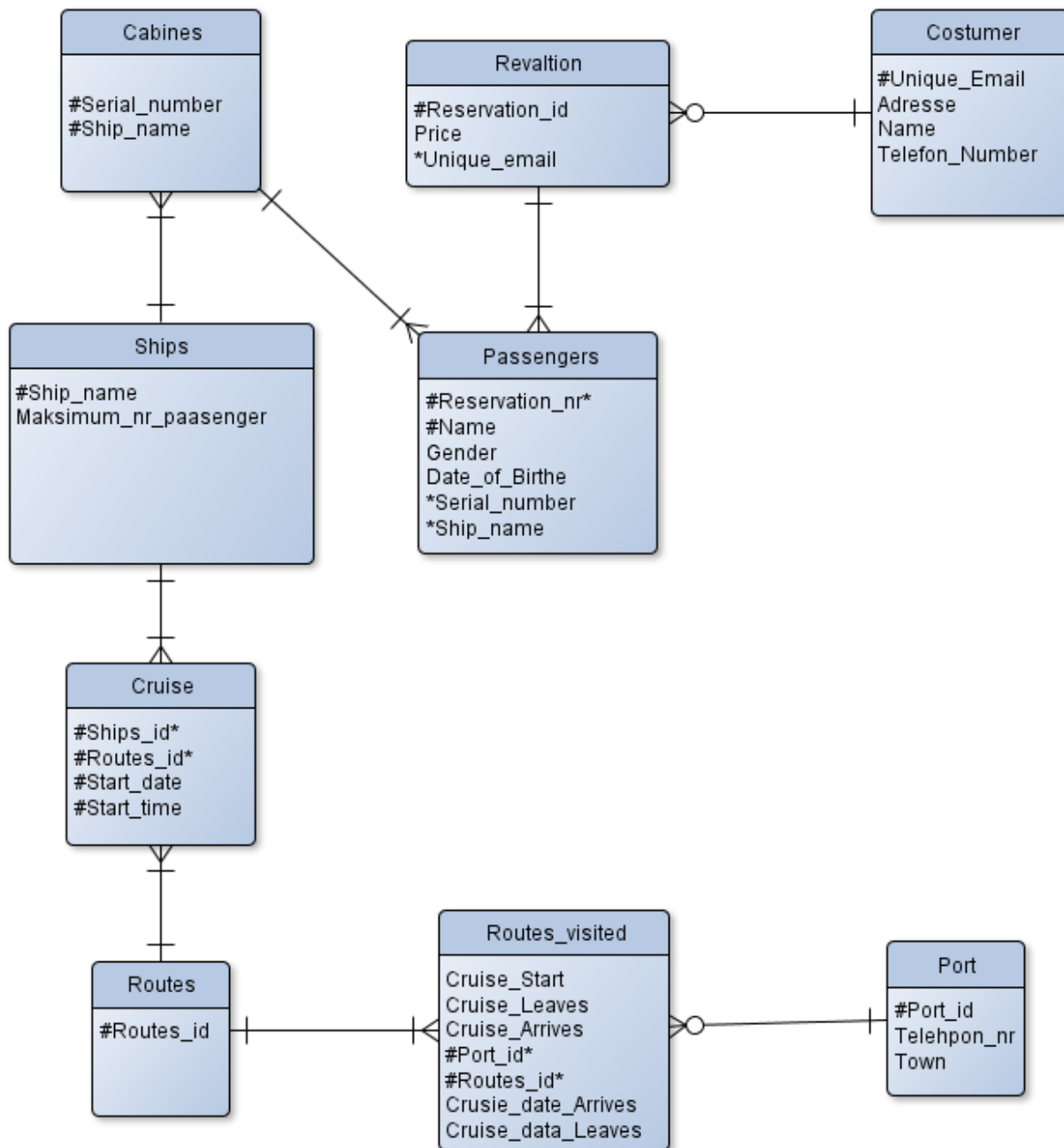
References_Tabel1

#References_id	Title*	Author*	
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Reference_Tabel2

#Title	Journal	Year_published	#Author
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Oppgave 4



Oppgave 5

- i) Dette er problematisk siden truck ikke har et primær nøkkel, noe som kunne vært Registration_number.
- ii) Maksimal vekten til Trucken er avhengig av modellen, og dermed at vi kun se på modellen og finne ut maksimal vekten til Trucken
- iii) Kanadidat nøkkelen for Trucken table er 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

Truck	
#Model	Maximum_weight