Modulopgave 1

Develop a database based application that shows statistics on people movement to and from Copenhagen and Frederiksberg. Data is compiled from Statistics Denmark in 3 files in csv format.

DanStat_Bev107	:	Yearly status of number of inhabitants
DanStat_Fly66_Fra	:	Yearly number of persons moved from ..
DanStat_Fly66_Til	:	Yearly number of persons moved to ..
		Copenhagen & Frederiksberg.

You will need to plan the database design, so it differs from what's in the csv files.

Analyze and document the application with the design diagrams you learned in first semester. Add extra care to do a proper **Domain Model**. Make an **Entity Relation Diagram**.

The application is in functionality similar to the movie base application you made on first semester.

This time you have to persist the data on a database instead of in files.

The front end should be very simple (due to the limited time).

Prioritize to develop the database (tables, indexes, relations, constraints).

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Add a simple application to the front end and connect to the database using JDBC,

Make a document that explains the diagrams. Especially important are the ERD and how the 1st, 2nd and 3rd normal form is met.

	¹/₇ 1913 —³⁰/₆ 1914	¹/₇ 1914 —³⁰/₆ 1915	Kalenderaar 1913	1915
Indgaaede Ægteskaber	40 411	32 467	40 307	26 300
Levendefødte	121 106	109 481	122 985	86 830
Dødfødte	4 546	3 934	4 487	3 176
Døde { under 1 Aar	17 968	20 057	19 361	14 226
over 1 Aar	49 604	74 719	49 151	66 472
I alt...	67 572	94 776	68 512	80 698

The application must be able to
- *Search based on criteria's entered by the user*
- *Show a list of content from a table based on a criteria*
- *Show a list as a combination of several tables (INNER JOIN)*
- *If time allows search by less than, greater than criteria's*

Hand in is   :   16:00 Friday, March 1st on Fronter
We do feedback :   Tuesday, March 5th.

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