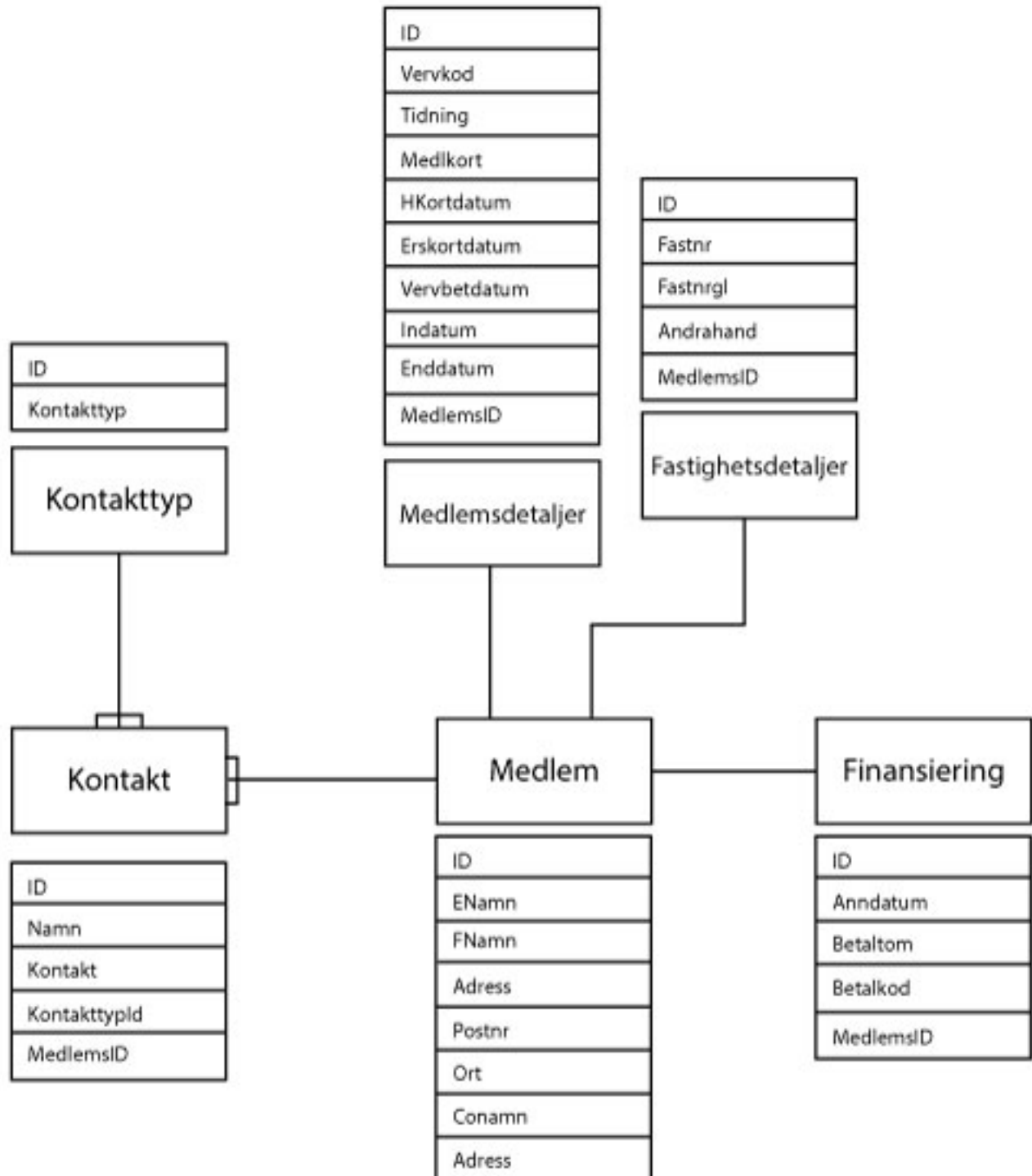


# SQL queries

| 1  | SQL-query DemoMedlem  | svarstid 1                 | svarstid 2                 | Cost                |
|----|---|----------------------------|----------------------------|---------------------|
| 1  | SELECT * FROM DemoMedlem.dbo.Medlem   | 22874 ms                   | 25245 ms                   |                     |
| 2  | SELECT ENAMN, FNAMN, POSTNR, ORT FROM DemoMedlem.dbo.Medlem   | 4506 ms<br>(-18368 ms 1.)  | 4324 ms<br>(-20921 ms 1.)  |                     |
| 3  | SELECT ENAMN FROM DemoMedlem.dbo.Medlem ORDER BY ENAMN ASC  | 27372 ms                   | 29589 ms                   |                     |
| 4  | SELECT * FROM DemoMedlem.dbo.Medlem ORDER BY ENAMN, FNAMN   | 27262 ms<br>(4388+ ms 1.)  | 28530 ms<br>(3285+ ms 1.)  | SORT COST: 98%      |
| 5  | SELECT ENAMN, FNAMN, POSTNR, ORT FROM DemoMedlem.dbo.Medlem ORDER BY ENAMN  | 6504 ms<br>(1998+ ms 2.)   | 7020 ms<br>(2696+ ms 2.)   | SORT COST: 65%      |
| 6  | SELECT ENAMN, FNAMN, POSTNR, ORT FROM DemoMedlem.dbo.Medlem ORDER BY ENAMN, FNAMN   | 6745 ms<br>(241+ ms 5.)    | 6993 ms<br>(27- ms 5.)     | SORT COST: 65%      |
| 7  | SELECT * FROM DemoMedlem.dbo.Medlem WHERE ORT = 'KALMAR'  | 291 ms                     | 266 ms                     |                     |
| 8  | SELECT * FROM DemoMedlem.dbo.Medlem WHERE ORT LIKE 'KAL%'   | 885 ms<br>(594+ ms 7.)     | 925 ms<br>(659+ ms 7.)     |                     |
| 9  | SELECT * FROM DemoMedlem.dbo.Medlem WHERE ORT LIKE 'KAL%' AND ENAMN LIKE '%son%' ORDER BY Fastnr  | 484 ms                     | 527 ms                     | SORT COST: 4%       |
| 10 | SELECT * FROM DemoMedlem.dbo.Medlem WHERE (SELECT CAST(LEFT(ANNDATUM, 4) AS INT)) = (SELECT MAX(CAST(LEFT(ANNDATUM, 4) AS INT)) FROM DemoMedlem.dbo.Medlem)   | 11645 ms                   | 11632 ms                   |                     |
| 11 | SELECT ORT, COUNT(ANNDATUM) AS ANTAL, CAST(LEFT(ANNDATUM, 4) AS INT) AS ANNÄR FROM DemoMedlem.dbo.Medlem WHERE CAST(LEFT(ANNDATUM, 4) AS INT) IS NOT NULL GROUP BY CAST(LEFT(ANNDATUM, 4) AS INT), ORT ORDER BY ORT | 1011 ms<br>(10634- ms 10.) | 1061 ms<br>(10571- ms 10.) | AGGREGATE COST: 13% |
| 12 | SELECT DISTINCT ORT FROM DemoMedlem.dbo.Medlem ORDER BY ORT ASC   | 375 ms                     | 388 ms                     | AGGREGATE COST: 13% |
| 13 | SELECT * FROM DemoMedlem.dbo.Medlem WHERE Telenr1 NOT LIKE Telenr2  | 23765 ms                   | 23859 ms                   |                     |

# Konceptuell modell



# Fysisk modell

