



**Bilkent University**  
**Fall 2023-2024**

**Department of Computer Engineering**

# **CS353**

## **Database Systems**

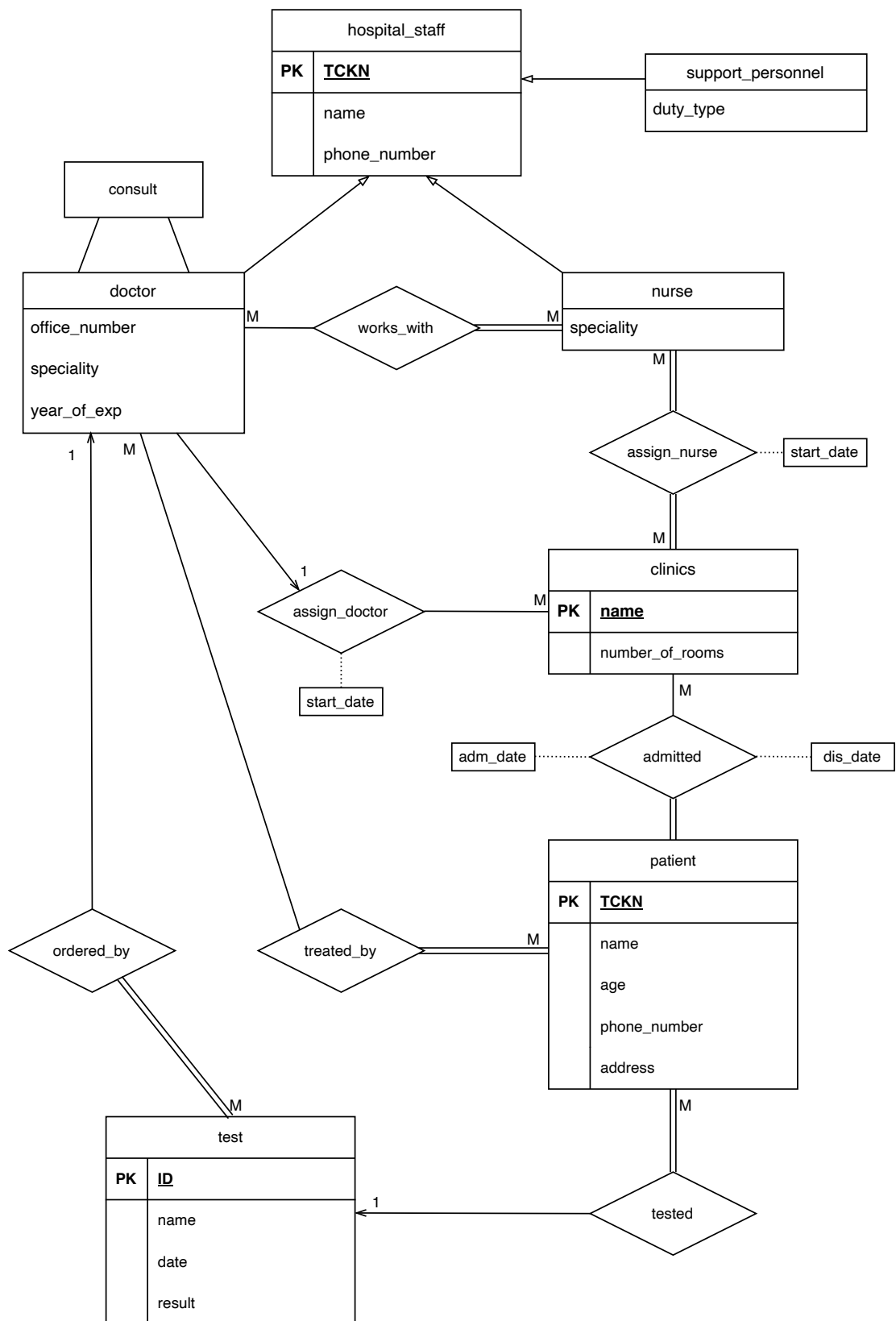
### **Homework #2**

Deniz Tuna Onguner  
22001788

*Section 2*  
*Özgür Ulusoy*

6 October 2023

QUESTION #1



## QUESTION #2

hospital\_staff (TCKN, name, phone\_number)

doctor (TCKN, office\_number, speciality, year\_of\_exp)

*TCKN: Foreign Key to hospital\_staff*

consult (doctor\_1, doctor\_2)

*doctor\_1: Foreign Key to doctor*

*doctor\_2: Foreign Key to nurse*

nurse (TCKN, speciality)

*TCKN: Foreign Key to hospital\_staff*

works\_with (TCKN\_doc, TCKN\_nur)

*TCKN\_doc: Foreign Key to doctor*

*TCKN\_nur: Foreign Key to nurse*

support\_personnel (TCKN, duty\_type)

*TCKN: Foreign Key to hospital\_staff*

clinic (name, number\_of\_rooms)

assign\_doctor (TCKN, clinic\_name, start\_date)

*TCKN: Foreign Key to doctor*

*clinic\_name: Foreign Key to clinic*

assign\_nurse (TCKN, clinic\_name, start\_date)

*TCKN: Foreign Key to nurse*

*clinic\_name: Foreign Key to clinic*

patient (TCKN, name, age, phone\_number, address)

admitted (TCKN, clinic\_name, adm\_date, dis\_date)

*TCKN: Foreign Key to patient*

*clinic\_name: Foreign Key to clinic*

treated\_by (patient\_TCKN, doctor\_TCKN)

*patient\_TCKN: Foreign Key to patient*

*doctor\_TCKN: Foreign Key to doctor*

test (ID, name, date, result)

ordered\_by (test\_id, doctor\_TCKN)

*test\_id: Foreign Key to test*

*doctor\_TCKN: Foreign Key to doctor*

tested (patient\_TCKN, test\_id)

*test\_id: Foreign Key to test*

*patient\_TCKN: Foreign Key to patient*