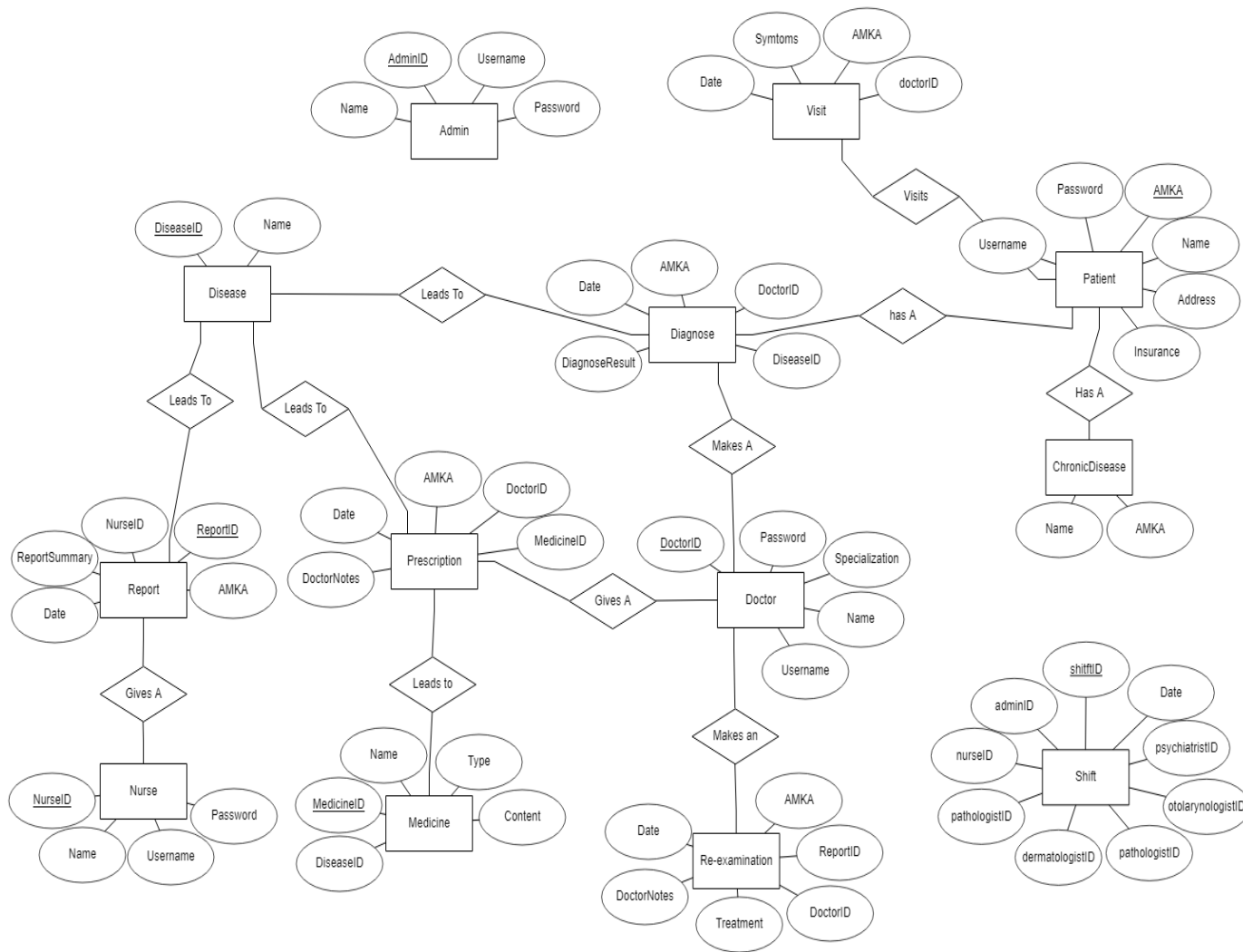


CS-360 Files And Databases Project

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E-R Diagram - Διάγραμμα Οντοτήτων Σχέσεων



Entities and Attributes - Οντότητες και γνωρίσματα οντοτήτων

Doctor

1. Name VARCHAR(30)
2. Specialization ENUM('Dermatologist','Pathologist','Psychiatrist','Otolaryngologist','Ophthalmologist') NOT NULL
3. Username VARCHAR(30)
4. Password VARCHAR(30)
5. DoctorID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY

Nurse

1. Name VARCHAR(30)
2. Username VARCHAR(30)
3. Password VARCHAR(30)
4. NurseID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY

Admin

1. Name VARCHAR(30)
2. Username VARCHAR(30)
3. Password VARCHAR(30)
4. AdminID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY

Patient

1. Name VARCHAR(30)
2. Username VARCHAR(30)
3. Password VARCHAR(30)
4. Address VARCHAR(30)
5. Insurance VARCHAR(30)
6. AMKA CHAR(11) NOT NULL PRIMARY KEY

Visit

1. Date DATE
2. Symptoms VARCHAR(30)
3. AMKA CHAR(11)
4. DoctorID INT UNSIGNED
FOREIGN KEY (AMKA) REFERENCES Patients(AMKA)
FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID)

ChronicDisease

1. Name VARCHAR(30)
2. AMKA CHAR(11)
FOREIGN KEY (AMKA) REFERENCES Patients(AMKA)

Disease

1. Name VARCHAR(30)
2. DiseaseID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY

Medicine

1. Name VARCHAR(30)
2. Type VARCHAR(30)
3. Content INT UNSIGNED
4. DiseaseID INT UNSIGNED
5. MedicineID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY
FOREIGN KEY (DiseaseID) REFERENCES Diseases(DiseaseID)

Diagnose

1. DiagnoseResult VARCHAR(30)
2. Date DATE
3. AMKA CHAR(11)
4. DoctorID INT UNSIGNED
5. DiseaseID INT UNSIGNED
FOREIGN KEY (AMKA) REFERENCES Patients(AMKA)
FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID)
FOREIGN KEY (DiseaseID) REFERENCES Diseases(DiseaseID)

Re-Examination

1. DoctorNotes VARCHAR(30)
2. Treatment VARCHAR(30)
3. Date DATE
4. AMKA CHAR(11)
5. DoctorID INT UNSIGNED
6. ReportID INT UNSIGNED
FOREIGN KEY (AMKA) REFERENCES Patients(AMKA)
FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID)
FOREIGN KEY (ReportID) REFERENCES Reports(ReportID)

Prescriptions

1. DoctorNotes VARCHAR(30)
2. Date DATE
3. AMKA CHAR(11)
4. DoctorID INT UNSIGNED
5. MedicineID INT UNSIGNED
FOREIGN KEY (AMKA) REFERENCES Patients(AMKA)
FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),"
FOREIGN KEY (MedicineID) REFERENCES Medicines(MedicineID));";

Shift

1. Date DATE
2. DermatologistID INT UNSIGNED
3. PathologistID INT UNSIGNED
4. PsychiatristID INT UNSIGNED
5. OtolaryngologistID INT UNSIGNED
6. OphthalmologistID INT UNSIGNED
7. NurseID INT UNSIGNED
8. AdminID INT UNSIGNED

9. ShiftID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY
 FOREIGN KEY (DermatologistID) REFERENCES Doctors(DoctorID)
 FOREIGN KEY (PathologistID) REFERENCES Doctors(DoctorID)
 FOREIGN KEY (PsychiatristID) REFERENCES Doctors(DoctorID)
 FOREIGN KEY (OtolaryngologistID) REFERENCES Doctors(DoctorID)
 FOREIGN KEY (OphthalmologistID) REFERENCES Doctors(DoctorID)
 FOREIGN KEY (NurseID) REFERENCES Nurses(NurseID)
 FOREIGN KEY (AdminID) REFERENCES Admins(AdminID)

Report

1. ReportSummary VARCHAR(30)
2. Date DATE
3. AMKA CHAR(11)
4. NurseID INT UNSIGNED
 FOREIGN KEY (AMKA) REFERENCES Patients(AMKA)
 FOREIGN KEY (NurseID) REFERENCES Nurses(NurseID)

Primary Keys - Πρωτεύοντα κλειδιά

Doctors Primary Key	→	DoctorID	(Ιατρος)
Nurses Primary Key	→	NurseID	(Νοσηλεύτης)
Admins Primary Key	→	AdminID	(Διοικητικό προσωπικό)
Patients Primary Key	→	PatientID	(Ασθενής)
Diseases Primary Key	→	DiseaseID	(Ασθενειές)
Medicines Primary Key	→	MedicineID	(Φάρμακα)
Reports Primary Key	→	ReportID	(Αναφορές των νοσηλευτών)
Shifts Primary Key	→	ShiftID	(Βάρδιες)

Relational Model - Σχεσιακό Μοντέλο

Doctors

<u>DoctorID</u> Name Specialization Username Password

Nurses

<u>NurseID</u> Name Username Password

Admins

<u>AdminID</u> Name Username Password

Patients _____
| AMKA | Name | Username | Password | Address | Insurance |
| _____ |

Visits _____
| DoctorID | Date | Symptoms | AMKA |
| _____ |

Chronic Diseases
| Name | AMKA |
| _____ |

Diseases _____
| DiseaseID | Name |
| _____ |

Medicines _____
| MedicineID | Name | Type | Content | DiseaseID |
| _____ |

Diagnoses _____
| DiagnoseResult | Date | AMKA | DoctorID | DiseaseID |
| _____ |

Examination _____
| DoctorNotes | Treatment | Date | AMKA | DoctorID | ReportID |
| _____ |

Prescriptions _____
| DoctorNotes | Date | AMKA | DoctorID | MedicineID |
| _____ |

Shifts _____
| ShiftID | Date | DermatologistID | PathologistID | PsychiatristID |
| NurseID | AdminID | OphthalmologistID | OtolaryngologistID |
| _____ |

Report _____
| ReportSummary | Date | AMKA | NurseID |
| _____ |

Τρίτη Κανονική Μορφή - 3NF

Γνωρίζουμε ότι αν σε μια σχέση R τηρούνται οι παρακάτω προϋποθέσεις τότε βρίσκεται σε μορφή 3NF (Third Normal Form):

(a) Αν είναι First Normal Form (Είναι 1NF αν δεν έχει σύνθετα και πλειότιμα γνωρίσματα)

(b) Αν είναι σε 2NF (κάθε συναρτησιακή εξάρτηση $X \rightarrow Y$ που υπάρχει στην R είναι πλήρως λειτουργική εξάρτηση). Γνωρίζουμε ότι αν η συναρτησιακή εξάρτηση παύει να ισχύει όταν αφαιρούμε οποιοδήποτε πεδίο από το X, τότε η συναρτησιακή εξάρτηση $X \rightarrow Y$ είναι πλήρως λειτουργική εξάρτηση (full functional dependency).

(c) Αν δεν υπάρχουν μεταβατικές εξαρτήσεις (transitive dependencies). Μία συναρτησιακή εξάρτηση

$X \rightarrow Y$ έχει μεταβατικές εξαρτήσεις αν ισχύει ότι $X \rightarrow Z$ και $Z \rightarrow Y$ για ένα σύνολο από πεδία που δεν ανήκουν σε κανένα key.

Οπότε συμπεραίνουμε ότι η βάση είναι σε μορφή 3NF (Third Normal Form-3η Κανονική Μορφή)

SQL Commands - Εντολές SQL

Create Table commands

```
Doctors = "CREATE TABLE Doctors("
+ "Name VARCHAR(30),"
+ "Specialization
ENUM('Dermatologist','Pathologist','Psychiatrist','Otolaryngologist',
'Ophthalmologist') NOT NULL,"
+ "Username VARCHAR(30),"
+ "Password VARCHAR(30),"
+ "DoctorID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY
KEY);";
```

```
Nurses = "CREATE TABLE Nurses("
+ "Name VARCHAR(30),"
+ "Username VARCHAR(30),"
+ "Password VARCHAR(30),"
+ "NurseID INT UNSIGNED NOT NULL AUTO_INCREMENT
PRIMARY KEY);";
```

```
Admins = "CREATE TABLE Admins("
+ "Name VARCHAR(30),"
+ "Username VARCHAR(30),"
+ "Password VARCHAR(30),"
```

```
+ "AdminID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY  
KEY);";
```

```
Patients = "CREATE TABLE Patients("  
+ "Name VARCHAR(30),"  
+ "Username VARCHAR(30),"  
+ "Password VARCHAR(30),"  
+ "Address VARCHAR(30),"  
+ "Insurance VARCHAR(30),"  
+ "AMKA CHAR(11) NOT NULL PRIMARY KEY);";
```

```
Visits = "CREATE TABLE Visits("  
+ "Date DATE,"  
+ "Symptoms VARCHAR(30),"  
+ "AMKA CHAR(11),"  
+ "DoctorID INT UNSIGNED,"  
+ "FOREIGN KEY (AMKA) REFERENCES Patients(AMKA),"  
+ "FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID));";
```

```
ChronicDiseases = "CREATE TABLE ChronicDiseases("  
+ "Name VARCHAR(30),"  
+ "AMKA CHAR(11),"  
+ "FOREIGN KEY (AMKA) REFERENCES Patients(AMKA));";
```

```
Diseases = "CREATE TABLE Diseases("  
+ "Name VARCHAR(30),"  
+ "DiseaseID INT UNSIGNED NOT NULL AUTO_INCREMENT  
PRIMARY KEY);";
```

```
Medicines = "CREATE TABLE Medicines("  
+ "Name VARCHAR(30),"  
+ "Type VARCHAR(30),"  
+ "Content INT UNSIGNED,"  
+ "DiseaseID INT UNSIGNED,"  
+ "MedicineID INT UNSIGNED NOT NULL AUTO_INCREMENT  
+ "FOREIGN KEY (DiseaseID) REFERENCES
```

```
Diseases(DiseaseID));";
```

```
Diagnoses = "CREATE TABLE Diagnoses("  
+ "DiagnoseResult VARCHAR(30),"  
+ "Date DATE,"  
+ "AMKA CHAR(11),"  
+ "DoctorID INT UNSIGNED,"  
+ "DiseaseID INT UNSIGNED,"  
+ "FOREIGN KEY (AMKA) REFERENCES Patients(AMKA),"  
+ "FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),"
```



```
        + "FOREIGN KEY (DiseaseID) REFERENCES  
Diseases(DiseaseID));";
```

```
Examination = "CREATE TABLE Examinations("  
        + "DoctorNotes VARCHAR(30),"  
        + "Treatment VARCHAR(30),"  
        + "Date DATE,"  
        + "AMKA CHAR(11),"  
        + "DoctorID INT UNSIGNED,"  
        + "ReportID INT UNSIGNED,"  
        + "FOREIGN KEY (AMKA) REFERENCES Patients(AMKA),"  
        + "FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (ReportID) REFERENCES Reports(ReportID));";
```

```
Prescriptions = "CREATE TABLE Prescriptions("  
        + "DoctorNotes VARCHAR(30),"  
        + "Date DATE,"  
        + "AMKA CHAR(11),"  
        + "DoctorID INT UNSIGNED,"  
        + "MedicineID INT UNSIGNED,"  
        + "FOREIGN KEY (AMKA) REFERENCES Patients(AMKA),"  
        + "FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (MedicineID) REFERENCES  
Medicines(MedicineID));";
```

```
Shifts = "CREATE TABLE Shifts("  
        + "Date DATE,"  
        + "DermatologistID INT UNSIGNED,"  
        + "PathologistID INT UNSIGNED,"  
        + "PsychiatristID INT UNSIGNED,"  
        + "OtolaryngologistID INT UNSIGNED,"  
        + "OphthalmologistID INT UNSIGNED,"  
        + "NurseID INT UNSIGNED,"  
        + "AdminID INT UNSIGNED,"  
        + "FOREIGN KEY (DermatologistID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (PathologistID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (PsychiatristID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (OtolaryngologistID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (OphthalmologistID) REFERENCES Doctors(DoctorID),"  
        + "FOREIGN KEY (NurseID) REFERENCES Nurses(NurseID),"  
        + "FOREIGN KEY (AdminID) REFERENCES Admins(AdminID),"  
        + "ShiftID INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY  
KEY);";
```

```
Report = "CREATE TABLE Reports("
+ "ReportSummaryVARCHAR(30),"
+ "Date DATE,"
+ "AMKA CHAR(11),"
+ "NurseID INT UNSIGNED,"
+ "FOREIGN KEY (AMKA) REFERENCES Patients(AMKA),"
+ "FOREIGN KEY (NurseID) REFERENCES Nurses(NurseID));";
```

Οι εισαγωγές για τα Nurse γίνονται με την εξής εντολή:

```
INSERT INTO Nurses VALUE(""+name+", ""+username+", ""+password+", NULL)
```

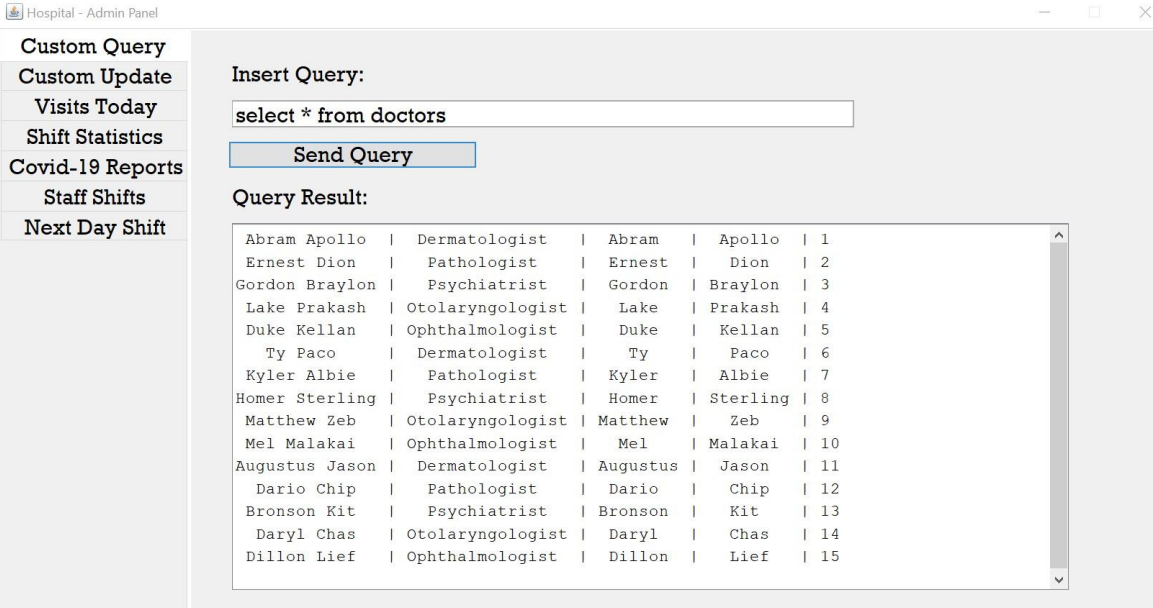
Ομοίως και για τα υπολοιπα. Οι εισαγωγές γίνονται αυτοματα στην αρχη του προγραμματος.

Questions to the Database - Ερωτήσεις προς την Βάση Δεδομένων με SQL Screenshots από την εκτέλεση κάθε προκαθορισμένης επερώτησης

Οι προκαθορισμένες ερωτήσεις γίνονται με το πάτημα ενός κουμπιού στο Admin Interface. Για τυπικούς λόγους περιέχονται και οι ερωτήσεις που έγιναν όταν ο χρήστης πατάει κάποιο κουμπί.

Custom query

Στο Custom Query μπορείτε να πληκτρολογήσετε οποιαδήποτε εντολή επιθυμείτε προς την Βάση Δεδομένων και να σας εμφανιστεί το query όπως στο παρακάτω παράδειγμα:



Custom Query

Custom Update

Visits Today

Shift Statistics

Covid-19 Reports

Staff Shifts

Next Day Shift

Insert Query:

select * from doctors

Send Query

Query Result:

Abram Apollo	Dermatologist	Abram	Apollo	1
Ernest Dion	Pathologist	Ernest	Dion	2
Gordon Braylon	Psychiatrist	Gordon	Braylon	3
Lake Prakash	Otolaryngologist	Lake	Prakash	4
Duke Kellan	Ophthalmologist	Duke	Kellan	5
Ty Paco	Dermatologist	Ty	Paco	6
Kyler Albie	Pathologist	Kyler	Albie	7
Homer Sterling	Psychiatrist	Homer	Sterling	8
Matthew Zeb	Otolaryngologist	Matthew	Zeb	9
Mel Malakai	Ophthalmologist	Mel	Malakai	10
Augustus Jason	Dermatologist	Augustus	Jason	11
Dario Chip	Pathologist	Dario	Chip	12
Bronson Kit	Psychiatrist	Bronson	Kit	13
Daryl Chas	Otolaryngologist	Daryl	Chas	14
Dillon Lief	Ophthalmologist	Dillon	Lief	15

Custom Update - Οι Admins μπορούν να κανουν insert ή update οτιδήποτε θελήσουν (Doctors, Nurses και αλλους Admins κλπ)

Hospital - Admin Panel

- Custom Query
- Custom Update
- Visits Today
- Shift Statistics
- Covid-19 Reports
- Staff Shifts
- Next Day Shift

Insert Update Command:

```
INSERT INTO Nurses VALUE('Kosta','Kostas', 'Kosta123', NULL)
```

Send Update

Success!

Updated!

OK

Κατάσταση επισκέψεων στο τέλος της εφημερίας - Visits Today

Hospital - Admin Panel

- Custom Query
- Custom Update
- Visits Today
- Shift Statistics
- Covid-19 Reports
- Staff Shifts
- Next Day Shift

View visits today

Query Result:

Today there were 5 visit(s) in total:

- george visited the hospital with symptoms: I have back pain and was assigned to dr.
- george visited the hospital with symptoms: I have ackne and was assigned to dr.Aug
- kostas visited the hospital with symptoms: I have depression and was assigned to d
- Coby Dallas visited the hospital with symptoms: i feel sick and was assigned to dr
- Linden Enzo visited the hospital with symptoms: I broke my leg and was assigned to

Για αυτο το query εγινε η εξης ερωτηση προς την Βάση Δεδομένων:

```
SELECT AMKA,Symptoms, DoctorID from Visits Where Date=DATE(NOW())
```

Στατιστικά ανά εφημερία και ανά μήνα: για κάθε εφημερία και για όλες τις εφημερίες του μήνα στατιστικά στοιχεία για τον αριθμό των περιστατικών, τις ασθένειες που διαγνώστηκαν, τις εξετάσεις που έγιναν και τα φάρμακα που δόθηκαν. Shift Statistics

Daily Statistics

Hospital - Admin Panel

Custom Query

Custom Update

Visits Today

Shift Statistics

Covid-19 Reports

Staff Shifts

Next Day Shift

View statistics

☒ Daily Statistics
☐ Monthly Statistics

Insert day to display in year-month-day form.
2021-01-09

Query Result:

-The following diseases were diagnosed:
-Disease COVID-19 had a total of 1 cases.
-Disease Insomnia had a total of 1 cases.
-Nurse examinations:
-Patient kostas was examined by Archer Leon
-Patient Henri Alfonso was examined by Archer Leon
-Patient Henri Alfonso was examined by Archer Leon
-Patient Dacey Gaston was examined by Archer Leon
-Patient Dacey Gaston was examined by Archer Leon
-The following amounts of medicines were given:
-Medicine ANTI-COVID was given a total of 1 times.
-Medicine Antibiotics was given a total of 1 times.
-Medicine Aspirin was given a total of 1 times.
-Medicine Metformin was given a total of 1 times.
-Medicine XANAX was given a total of 1 times.

Monthly Statistics

Hospital - Admin Panel

Custom Query

Custom Update

Visits Today

Shift Statistics

Covid-19 Reports

Staff Shifts

Next Day Shift

View statistics

☐ Daily Statistics
☒ Monthly Statistics

Query Result:

-The following diseases were diagnosed:
-Disease COVID-19 had a total of 1 cases.
-Disease Insomnia had a total of 1 cases.
-Nurse examinations:
-Patient kostas was examined by Archer Leon
-Patient Henri Alfonso was examined by Archer Leon
-Patient Henri Alfonso was examined by Archer Leon
-Patient Dacey Gaston was examined by Archer Leon
-Patient Dacey Gaston was examined by Archer Leon
-The following amounts of medicines were given:
-Medicine ANTI-COVID was given a total of 1 times.
-Medicine Antibiotics was given a total of 1 times.
-Medicine Aspirin was given a total of 1 times.
-Medicine Metformin was given a total of 1 times.
-Medicine XANAX was given a total of 1 times.

Για αυτά τα queries έγιναν οι εξής ερωτήσεις προς την Βάση Δεδομένων:

ShiftStatsDaily

SELECT Date from Visits Where Date="dateStr"

SELECT DiseaseID from Diagnoses Where Date="dateStr"

SELECT NurselD,AMKA from Reports Where Date="dateStr"

SELECT MedicineID from Prescriptions Where Date="dateStr"

ShiftStatsMonthly

```
String dateCmp = "Date(NOW() - INTERVAL 1 MONTH) <= Date AND Date <= DATE(NOW())";
```

```
SELECT Date from Visits Where " + dateCmp
```

```
SELECT DiseaseID from Diagnoses Where " + dateCmp
```

```
SELECT NurselID,AMKA from Reports Where " + dateCmp
```

```
SELECT MedicineID from Prescriptions Where " + dateCmp
```

Ειδική κατάσταση αναφοράς περιστατικών COVID-19 η οποία περιλαμβάνει όλα τα προσωπικά στοιχεία του ασθενούς και τα χρόνια νοσήματα από τα οποία πάσχει - COVID-19 report.

Hospital - Admin Panel

Custom Query
Custom Update
Visits Today
Shift Statistics
Covid-19 Reports
Staff Shifts
Next Day Shift

View covid diagnoses

Query Result:

Patient kostas was diagnosed with Covid-19 at 2021-01-09. Personal Information:
-AMKA: 01234567890
-Insurance: Interamerican
-Address: 254 Bright St, San Francisco
-Chronic Diseases:
-No chronic diseases found.

Patient Henri Alfonso was diagnosed with Covid-19 at 2021-01-09. Personal Informa
-AMKA: 45237526562
-Insurance: INSURANCE INC.
-Address: Adress1
-Chronic Diseases:
-Pneumonia
-Katarakths

Για αυτο το query έγιναν οι εξης ερωτησεις προς την Βάση Δεδομένων:

```
SELECT Date, AMKA from Diagnoses Where DiseaseID=" + covidID
```

```
SELECT Name, Insurance, Address from Patients Where AMKA=" + amka
```

Για κάθε μέλος του προσωπικού, μπορούμε να δούμε τις εφημερίες κατά τις οποίες εργάστηκε σε ένα χρονικό διάστημα.

Hospital - Admin Panel

Custom Query

Custom Update

Visits Today

Shift Statistics

Covid-19 Reports

Staff Shifts

Next Day Shift

View staff shifts

Day in year-month-day form.
From: 2021-01-08
Up to: 2021-01-10
☐ Display all

Query Result:

-Doctor Daryl Chas worked a total of 1 shifts in that period:
-2021-01-10
-Doctor Dillon Lief worked a total of 1 shifts in that period:
-2021-01-10
-Nurse Shifts:
-Nurse Darius Ford worked a total of 1 shifts in that period:
-2021-01-08
-Nurse Giorgio Ravi worked a total of 1 shifts in that period:
-2021-01-09
-Nurse Maddox Hywel worked a total of 1 shifts in that period:
-2021-01-10
-Admin Shifts:
-Admin Ismael Myron worked a total of 1 shifts in that period:
-2021-01-08
-Admin Ayaan Xander worked a total of 1 shifts in that period:
-2021-01-09

Για αυτό το query έγιναν οι εξής ερωτήσεις προς την Βάση Δεδομένων:

```
start = "STR_TO_DATE('"+start+"', '%Y-%m-%d')";
```

```
end = "STR_TO_DATE('"+end+"', '%Y-%m-%d')";
```

```
String dateInterval = start+"<= Date AND Date <=" +end;
```

```
SELECT * from Shifts Where" + dateInterval
```

```
SELECT Name, DoctorID from Doctors
```

```
SELECT Name, NurseID from Nurses
```

```
SELECT Name, AdminID from Admins
```

Generate tomorrow's shift

Hospital - Admin Panel

Custom Query

Custom Update

Visits Today

Shift Statistics

Covid-19 Reports


Staff Shifts

Next Day Shift

Generate Tomorrow's Shift

Graphical Interface - Γραφικό Περιβάλλον

Login Panel

 Hospital - Login

Username:

Password:

☐ Register Patient


☒ Patient Login

☐ Doctor Login

☐ Nurse Login

☐ Admin Login

Register Panel

 Hospital - Login

Name:

Username:

Password:

AMKA:

Address:**Insurance:**

☒ Register Patient

☐ Patient Login

☐ Doctor Login

☐ Nurse Login

☐ Admin Login

Patient Interface

Hospital - Patient Panel



Information

Visit

Chronic Diseases:

No chronic diseases found.

Personal Information:

Name: kostas

AMKA: 01234567890

Address: 254 Bright St, San Francisco

Insurance: Interamerican

Change Address

Change Insurance

Add Chronic Disease

Hospital - Patient Panel



Information

Visit

Describe your symptoms:

Choose doctor specialization: ☒ Dermatologist

☐ Pathologist

☐ Psychiatrist

☐ Otolaryngologist

☐ Ophthalmologist

Find doctor on duty.

Doctor Interface

Hospital - Doctor Panel

Diagnose Patient

Prescription

Re-examination

Patient's AMKA:

Diagnose Summary:

Disease:

COVID-19

Submit Diagnose

Send for examination

Load Patients Chronic Diseases

Hospital - Doctor Panel

Diagnose Patient

Prescription

Re-examination

Patient's AMKA:

Doctor Notes:

Medicine:

ANTI-COVID

Submit Prescription

Load Patients Chronic Diseases

Diagnose Patient
Prescription
Re-examination

Report ID:

Load Report.

Patient AMKA:

Insert report id to load.

Nurse report summary:

Insert report id to load.

Notes:

Treatment (if required):

Submit Examination

Nurse Interface

Patient's AMKA:

Report Summary:

Submit Report