

Office management system

DATABASE AND ANALYSIS DOCUMENTATION



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Team 2

**Creating Database Tables**

1. Creating the table admin and adding columns as well as defining data types

create table Admins (Admin\_id int primary key, First\_Name varchar, Last\_Name varchar,  
Username varchar, Email varchar, Food\_id int, passwords varchar  
,Candidate\_id int, Trainingroom\_id int);

Altering the table admin to add foreign keys and also allow the primary key to autoincrement  
ALTER TABLE Admins  
Admin\_id int NOT NULL PRIMARY KEY auto\_increment  
MODIFY FOREIGN KEY (Candidate\_id) REFERENCES Users (Candidate\_id)  
MODIFY FOREIGN KEY (Food\_id) REFERENCES Food\_Supplies(Food\_id),  
MODIFY  FOREIGN KEY (Trainingroom\_id) REFERENCES Facilities(Trainingroom\_id )

1. Creating the Users table

create table Users (Candidate\_id int primary key, First\_Name varchar, Last\_Name varchar,  
Location\_id int, Event\_id int, Cohort\_id int ,Admin\_id int,Trainingroom\_id int);

1. Creating the table Eventss

create table Eventss (Event\_id int primary key, candidatelogin\_id int ,  
EventType\_id int ,Date\_Time datetime );

1. Create the table Location  
   create table Locations (Location\_id int primary key,Location\_Name varchar)
2. Create table Cohort  
   create table Cohort (cohort\_id int primary key,Cohort\_Name varchar);
3. Create a table Assets  
   create table Assets (Candidate\_id int primary key, FOREIGN KEY (Candidate\_id) REFERENCES Users (Candidate\_id), Equipment\_Name varchar,Equipment\_Status varchar,Equipment\_Condition varchar)
4. Create table Facilities  
   create table Facilities (Trainingroom\_id int primary key, Trainingroom\_Name varchar,   
   Trainingroom\_Type varchar, Availabity varchar,Times time);
5. Create a table Food\_Supplies  
   create table Food\_Supplies( Food\_id int primary key ,Noodles\_total varchar, Oats\_total int);
6. Create table Event  
   create table Event\_Type (EventType\_id int primary key, Event\_Name varchar)

**Creating the Reports**

1. In office attendance register SQL query

SELECT a. First\_Name, a. Last\_Name, Cohort.Cohort\_Name, Locations.Location\_Name,Eventss.Time,Eventss.Event,Eventss.DATE

from Users AS a

INNER JOIN Locations ON Locations.Location\_id=a.Location\_id

INNER JOIN Cohort ON Cohort.cohort\_id=a.Cohort\_id

INNER JOIN Eventss ON a.Candidate\_id=Eventss.Candidate\_id

WHERE EventType\_id IN(8,9)

1. Client visits

--THE FIRST QUERY USED TO CREATE THE CLIENT VISITS REPORT  
Select First\_Name,Last\_Name,Email,Cohort.Cohort\_Name,Locations.Location\_Name,Eventss.Time,Eventss.DATE,Eventss.Event  
from   
Users  
Join Eventss ON Users.Candidate\_id=Eventss.Candidate\_id  
Join Cohort ON Cohort.cohort\_id=Users.Cohort\_id  
join Locations ON Locations.Location\_id=Users.Location\_id  
WHERE  
Eventss.DATE BETWEEN @StartDate AND @EndDate AND Eventss.Event='CLIENT'