Nazli Aldogan

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**CSC8017 Coursework 1**

**Part 1:**

A diagram of a software company

Description automatically generated with medium confidence

**Part 2:**

**CREATE** **TABLE** SITE(

Postcode **varchar**(7) **PRIMARY** **KEY**,

SiteName **varchar**(50),

SiteBackground **varchar**(200)

);

**CREATE** **TABLE** TOUR(

TourID **int** **PRIMARY** **KEY**,

TourName **varchar**(50) **NOT** **NULL**,

TourDate **DATETIME** **UNIQUE** **NOT** **NULL**,

Price **decimal** **NOT** **NULL**,

Duration **int** **NOT** **NULL**,

Postcode **varchar**(7),

**FOREIGN** **KEY** (Postcode) **REFERENCES** SITE (Postcode)

);

**CREATE** **TABLE** SENIORSTAFF(

StaffID **int** **PRIMARY** **KEY**,

FirstName **varchar**(50),

LastName **varchar**(50),

StaffTitle **varchar**(50),

StaffPhoneNumber **varchar**(11) **UNIQUE**,

Postcode **varchar**(7),

**FOREIGN** **KEY** (Postcode) **REFERENCES** SITE (Postcode)

);

**CREATE** **TABLE** BUSCOMPANY(

CompanyID **int** **PRIMARY** **KEY**,

BusPlateNo **varchar**(8),

CompanyName **varchar**(50),

CompanyPhoneNumber **varchar**(11) **UNIQUE**,

BusStationAddress **varchar**(200)

);

**ALTER** **TABLE** TOUR

**ADD** **COLUMN** CompanyID **int** **AFTER** Postcode,

**ADD** **CONSTRAINT** fk\_buscompany

**FOREIGN** **KEY** (CompanyID) **REFERENCES** BUSCOMPANY (CompanyID);

**CREATE** **TABLE** GUIDE(

EmployeeID **int** **PRIMARY** **KEY**,

FirstName **varchar**(50),

LastName **varchar**(50),

EmployeePhoneNumber **varchar**(11) **UNIQUE**

);

**ALTER** **TABLE** TOUR

**ADD** **COLUMN** EmployeeID **int** **AFTER** CompanyID,

**ADD** **CONSTRAINT** fk\_guide

**FOREIGN** **KEY** (EmployeeID) **REFERENCES** GUIDE (EmployeeID);

**CREATE** **TABLE** CUSTOMER(

CustomerID **int** **PRIMARY** **KEY**,

FirstName **varchar**(50),

LastName **varchar**(50),

CustomerBirthDate **DATE**,

CustomerPhoneNumber **varchar**(11) **UNIQUE**,

HouseNo **int**,

StreetName **varchar**(50),

Postcode **varchar**(7),

CustomerEmailAddress **varchar**(50),

CustomerAge **int**

);

**CREATE** **TABLE** TICKET(

TicketNo **int** **PRIMARY** **KEY**,

IssueDate **DATE**,

CustomerID **int**,

TourID **int**,

**FOREIGN** **KEY** (CustomerID) **REFERENCES** CUSTOMER (CustomerID),

**FOREIGN** **KEY** (TourID) **REFERENCES** TOUR (TourID)

);

**CREATE** **TABLE** THEME(

ThemeID **int** **PRIMARY** **KEY**,

ThemeName **varchar**(50) **UNIQUE**

);

**ALTER** **TABLE** TOUR

**ADD** **COLUMN** ThemeID **int** **AFTER** Postcode,

**ADD** **CONSTRAINT** fk\_theme

**FOREIGN** **KEY** (ThemeID) **REFERENCES** THEME (ThemeID);

**CREATE** **TABLE** GENERALHISTORY(

GeneralHistoryID **int** **PRIMARY** **KEY**,

HistoricalInformation **varchar**(200),

PeriodInTime **int**,

**FOREIGN** **KEY** (GeneralHistoryID) **REFERENCES** THEME (ThemeID)

);

**CREATE** **TABLE** SPECIFICSUBJECT(

SpecificSubjectID **int** **PRIMARY** **KEY**,

SubjectInformation **varchar**(200),

**FOREIGN** **KEY** (SpecificSubjectID) **REFERENCES** THEME (ThemeID)

);

**INSERT** **INTO** nazlialdogan.BUSCOMPANY

(CompanyID, BusPlateNo, CompanyName, CompanyPhoneNumber, BusStationAddress)

**VALUES**(1, 'WE23 DE', 'National Express', '07467910191', 'Berwick Street');

**INSERT** **INTO** nazlialdogan.BUSCOMPANY

(CompanyID, BusPlateNo, CompanyName, CompanyPhoneNumber, BusStationAddress)

**VALUES**(2, 'AD43 BR', 'Megabus', '04657839283', 'Gateshead Interchange, Stand D');

**INSERT** **INTO** nazlialdogan.BUSCOMPANY

(CompanyID, BusPlateNo, CompanyName, CompanyPhoneNumber, BusStationAddress)

**VALUES**(3, 'GE89 KS', 'Stagecoach', '09374853745', 'John Dobson Street');

**INSERT** **INTO** nazlialdogan.BUSCOMPANY

(CompanyID, BusPlateNo, CompanyName, CompanyPhoneNumber, BusStationAddress)

**VALUES**(4, 'KS96 AH', 'Arriva', '09821673845', 'Cross Carliol Street');

**INSERT** **INTO** nazlialdogan.BUSCOMPANY

(CompanyID, BusPlateNo, CompanyName, CompanyPhoneNumber, BusStationAddress)

**VALUES**(5, 'IS85 AS', 'Flixbus', '08364789271', 'Ord Street Coach Park');

**INSERT** **INTO** nazlialdogan.CUSTOMER

(CustomerID, FirstName, LastName, CustomerBirthDate, CustomerPhoneNumber, HouseNo, StreetName, Postcode, CustomerEmailAddress, CustomerAge)

**VALUES**(1, 'Raymond', 'Dawson', '1985-06-18', 05746374589, 54, 'Century Birches', 'NE25 LJ', 'raymond.dawson@gmail.com', 38);

**INSERT** **INTO** nazlialdogan.CUSTOMER

(CustomerID, FirstName, LastName, CustomerBirthDate, CustomerPhoneNumber, HouseNo, StreetName, Postcode, CustomerEmailAddress, CustomerAge)

**VALUES**(2, 'Elizabeth', 'Rowe', '2009-12-14', 07256572784, 65, 'Holland Drive', 'NE65 UH', 'elizabethrowee23@gmail.com', 13);

**INSERT** **INTO** nazlialdogan.CUSTOMER

(CustomerID, FirstName, LastName, CustomerBirthDate, CustomerPhoneNumber, HouseNo, StreetName, Postcode, CustomerEmailAddress, CustomerAge)

**VALUES**(3, 'Clifford', 'Hepburn', '1993-12-05', 01267364893, 33, 'Latham Chase', 'NE15 NU', 'hepburn.clifford11@hotmail.com', 29);

**INSERT** **INTO** nazlialdogan.CUSTOMER

(CustomerID, FirstName, LastName, CustomerBirthDate, CustomerPhoneNumber, HouseNo, StreetName, Postcode, CustomerEmailAddress, CustomerAge)

**VALUES**(4, 'Thomas', 'Moore', '1983-07-03', 02736478943, 11, 'Chilton Links', 'NE37 EU', 'thomasmoore5@outlook.com', 40);

**INSERT** **INTO** nazlialdogan.CUSTOMER

(CustomerID, FirstName, LastName, CustomerBirthDate, CustomerPhoneNumber, HouseNo, StreetName, Postcode, CustomerEmailAddress, CustomerAge)

**VALUES**(5, 'Lee', 'Murphy', '2010-09-05', 06277738993, 95, 'Mortimer Town', 'NE38 BG', 'murphyleee3@gmail.com', 13);

**INSERT** **INTO** nazlialdogan.GENERALHISTORY

(GeneralHistoryID, HistoricalInformation, PeriodInTime)

**VALUES**(1, 'The castle is a medieval fortification dating to Roman times.', 1177);

**INSERT** **INTO** nazlialdogan.GENERALHISTORY

(GeneralHistoryID, HistoricalInformation, PeriodInTime)

**VALUES**(2, 'Restorations were carried out by Gray, Nicholson and Binns.', 1200);

**INSERT** **INTO** nazlialdogan.GENERALHISTORY

(GeneralHistoryID, HistoricalInformation, PeriodInTime)

**VALUES**(3, 'Local architects, John and Benjamin Green, built the theatre.', 1837);

**INSERT** **INTO** nazlialdogan.GENERALHISTORY

(GeneralHistoryID, HistoricalInformation, PeriodInTime)

**VALUES**(4, 'Guildhall was badly damaged n a fire in 1639.', 1954);

**INSERT** **INTO** nazlialdogan.GENERALHISTORY

(GeneralHistoryID, HistoricalInformation, PeriodInTime)

**VALUES**(5, 'John Johnstone who also designed Newcastle Town Hall designed it.', 1870);

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(1, 'Newcastle Castle');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(2, 'St Andrews Church');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(3, 'Theatre Royal');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(4, 'Guildhall');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(5, 'Old Town Hall, Gateshead');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(6, 'Old George Pub');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(7, 'Marsden Grotto');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(8, 'The Discovery Museum');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(9, 'Life Science Centre');

**INSERT** **INTO** nazlialdogan.THEME

(ThemeID, ThemeName)

**VALUES**(10, 'The Black Gate');

**INSERT** **INTO** nazlialdogan.SPECIFICSUBJECT

(SpecificSubjectID, SubjectInformation)

**VALUES**(6, 'A grey mist can be seen by the visitors from time to time, as Charles I visits the Old George Pub.');

**INSERT** **INTO** nazlialdogan.SPECIFICSUBJECT

(SpecificSubjectID, SubjectInformation)

**VALUES**(7, 'Various strange occurences were seen by the visitors, including whispering and knocking from the cellar.');

**INSERT** **INTO** nazlialdogan.SPECIFICSUBJECT

(SpecificSubjectID, SubjectInformation)

**VALUES**(8, 'Filled up ith inventions, The Discovery Museum welcomes people from all ages!');

**INSERT** **INTO** nazlialdogan.SPECIFICSUBJECT

(SpecificSubjectID, SubjectInformation)

**VALUES**(9, 'Having the biggest planetarium in the Northeast of England, award-winning Life Science Centre holds events.');

**INSERT** **INTO** nazlialdogan.SPECIFICSUBJECT

(SpecificSubjectID, SubjectInformation)

**VALUES**(10, 'Previously serving as a barbican to the castle, The Black Gate has strange mists, footsteps and cold spots.');

**INSERT** **INTO** nazlialdogan.GUIDE

(EmployeeID, FirstName, LastName, EmployeePhoneNumber)

**VALUES**(1, 'Ann', 'Bailey', 07477345267);

**INSERT** **INTO** nazlialdogan.GUIDE

(EmployeeID, FirstName, LastName, EmployeePhoneNumber)

**VALUES**(2, 'Robert', 'Cherry', 07638236261);

**INSERT** **INTO** nazlialdogan.GUIDE

(EmployeeID, FirstName, LastName, EmployeePhoneNumber)

**VALUES**(3, 'Ross', 'Evans', 03421728939);

**INSERT** **INTO** nazlialdogan.GUIDE

(EmployeeID, FirstName, LastName, EmployeePhoneNumber)

**VALUES**(4, 'Valerie', 'Moss', 02317879372);

**INSERT** **INTO** nazlialdogan.GUIDE

(EmployeeID, FirstName, LastName, EmployeePhoneNumber)

**VALUES**(5, 'David', 'Price', 03527893215);

**INSERT** **INTO** nazlialdogan.SENIORSTAFF

(StaffID, FirstName, LastName, StaffTitle, StaffPhoneNumber, Postcode)

**VALUES**(1, 'Thomas', 'Renwick', 'Site Manager', 08472341212, 'NE1 4JA');

**INSERT** **INTO** nazlialdogan.SENIORSTAFF

(StaffID, FirstName, LastName, StaffTitle, StaffPhoneNumber, Postcode)

**VALUES**(2, 'Katharine', 'Riddle', 'Tourism Officer', 09878657564, 'NE1 4EP');

**INSERT** **INTO** nazlialdogan.SENIORSTAFF

(StaffID, FirstName, LastName, StaffTitle, StaffPhoneNumber, Postcode)

**VALUES**(3, 'Leslie', 'Maher', 'Tour Operator', 04563212343, 'NE3 7BS');

**INSERT** **INTO** nazlialdogan.SENIORSTAFF

(StaffID, FirstName, LastName, StaffTitle, StaffPhoneNumber, Postcode)

**VALUES**(4, 'Roger', 'Preston', 'Site Manager', 08768324543, 'NE1 1RQ');

**INSERT** **INTO** nazlialdogan.SENIORSTAFF

(StaffID, FirstName, LastName, StaffTitle, StaffPhoneNumber, Postcode)

**VALUES**(5, 'Robert', 'Stimpson', 'Tourism Officer', 03426547589, 'NE1 5SS');

**INSERT** **INTO** nazlialdogan.SITE

(Postcode, SiteName, SiteBackground)

**VALUES**('NE1 4JA', 'Mall', 'The area surrounding the famous mall.');

**INSERT** **INTO** nazlialdogan.SITE

(Postcode, SiteName, SiteBackground)

**VALUES**('NE1 4EP', 'Downtown', 'Downtown Newcastle.');

**INSERT** **INTO** nazlialdogan.SITE

(Postcode, SiteName, SiteBackground)

**VALUES**('NE3 7BS', 'Hall', 'The area surrounding the city hall.');

**INSERT** **INTO** nazlialdogan.SITE

(Postcode, SiteName, SiteBackground)

**VALUES**('NE1 1RQ', 'Cliff', 'The infamous cliff area.');

**INSERT** **INTO** nazlialdogan.SITE

(Postcode, SiteName, SiteBackground)

**VALUES**('NE1 5SS', 'Bay', 'The bay and the surrounding area.');

**INSERT** **INTO** nazlialdogan.TICKET

(TicketNo, IssueDate, CustomerID, TourID)

**VALUES**(1, '2023-09-08', 1, 1);

**INSERT** **INTO** nazlialdogan.TICKET

(TicketNo, IssueDate, CustomerID, TourID)

**VALUES**(2, '2023-09-05', 2, 2);

**INSERT** **INTO** nazlialdogan.TICKET

(TicketNo, IssueDate, CustomerID, TourID)

**VALUES**(3, '2023-09-03', 3, 3);

**INSERT** **INTO** nazlialdogan.TICKET

(TicketNo, IssueDate, CustomerID, TourID)

**VALUES**(4, '2023-09-02', 4, 4);

**INSERT** **INTO** nazlialdogan.TICKET

(TicketNo, IssueDate, CustomerID, TourID)

**VALUES**(5, '2023-09-03', 5, 5);

**INSERT** **INTO** nazlialdogan.TOUR

(TourID, TourName, TourDate, Price, Duration, Postcode, ThemeID, CompanyID, EmployeeID)

**VALUES**(1, '!Spooky Night!', '2023-09-08', 25, 50, 'NE1 4JA', 1, 1, 1);

**INSERT** **INTO** nazlialdogan.TOUR

(TourID, TourName, TourDate, Price, Duration, Postcode, ThemeID, CompanyID, EmployeeID)

**VALUES**(2, 'All for the Science!', '2023-09-07', 30, 30, 'NE1 4EP', 2, 2, 2);

**INSERT** **INTO** nazlialdogan.TOUR

(TourID, TourName, TourDate, Price, Duration, Postcode, ThemeID, CompanyID, EmployeeID)

**VALUES**(3, 'Historic Newcastle', '2023-09-04', 20, 120, 'NE3 7BS', 3, 3, 3);

**INSERT** **INTO** nazlialdogan.TOUR

(TourID, TourName, TourDate, Price, Duration, Postcode, ThemeID, CompanyID, EmployeeID)

**VALUES**(4, 'Newcastle Panorama', '2023-09-03', 15, 150, 'NE1 1RQ', 4, 4, 4);

**INSERT** **INTO** nazlialdogan.TOUR

(TourID, TourName, TourDate, Price, Duration, Postcode, ThemeID, CompanyID, EmployeeID)

**VALUES**(5, 'Newcastle in a Glimpse', '2023-09-06', 40, 45, 'NE1 5SS', 5, 5, 5);

**SELECT** \* **FROM** BUSCOMPANY;

**SELECT** \* **FROM** CUSTOMER;

**SELECT** \* **FROM** GENERALHISTORY;

**SELECT** \* **FROM** GUIDE;

**SELECT** \* **FROM** SENIORSTAFF;

**SELECT** \* **FROM** SITE;

**SELECT** \* **FROM** SPECIFICSUBJECT;

**SELECT** \* **FROM** THEME;

**SELECT** \* **FROM** TICKET;

**SELECT** \* **FROM** TOUR;

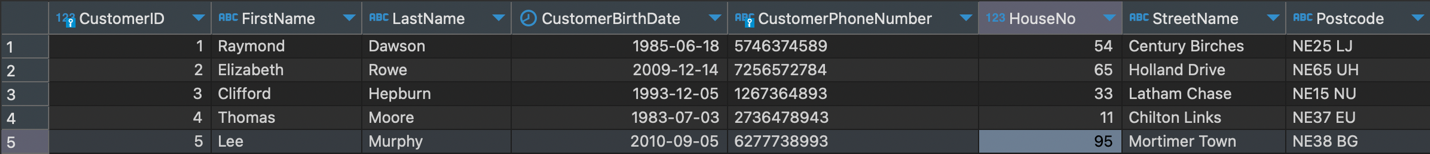
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BUSCOMPANY

A screenshot of a computer

Description automatically generated

CUSTOMER

A screenshot of a computer

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GUIDE

A screenshot of a computer

Description automatically generated

GENERALHISTORY

A screenshot of a computer

Description automatically generated

SITE

A screenshot of a computer

Description automatically generated

SPECIFICSUBJECT

A screenshot of a phone

Description automatically generated

THEME

A screenshot of a computer

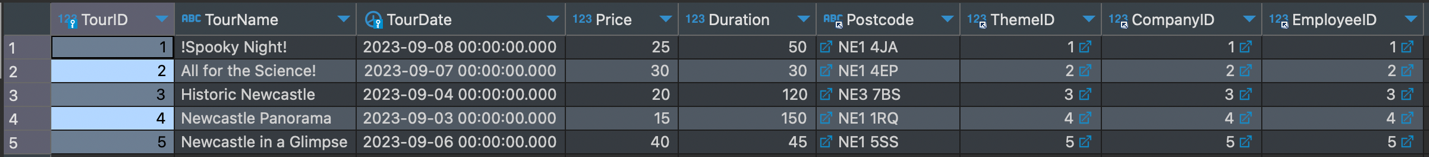
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TICKET

A screenshot of a computer

Description automatically generated

TOUR



STAFF

A screenshot of a computer

Description automatically generated