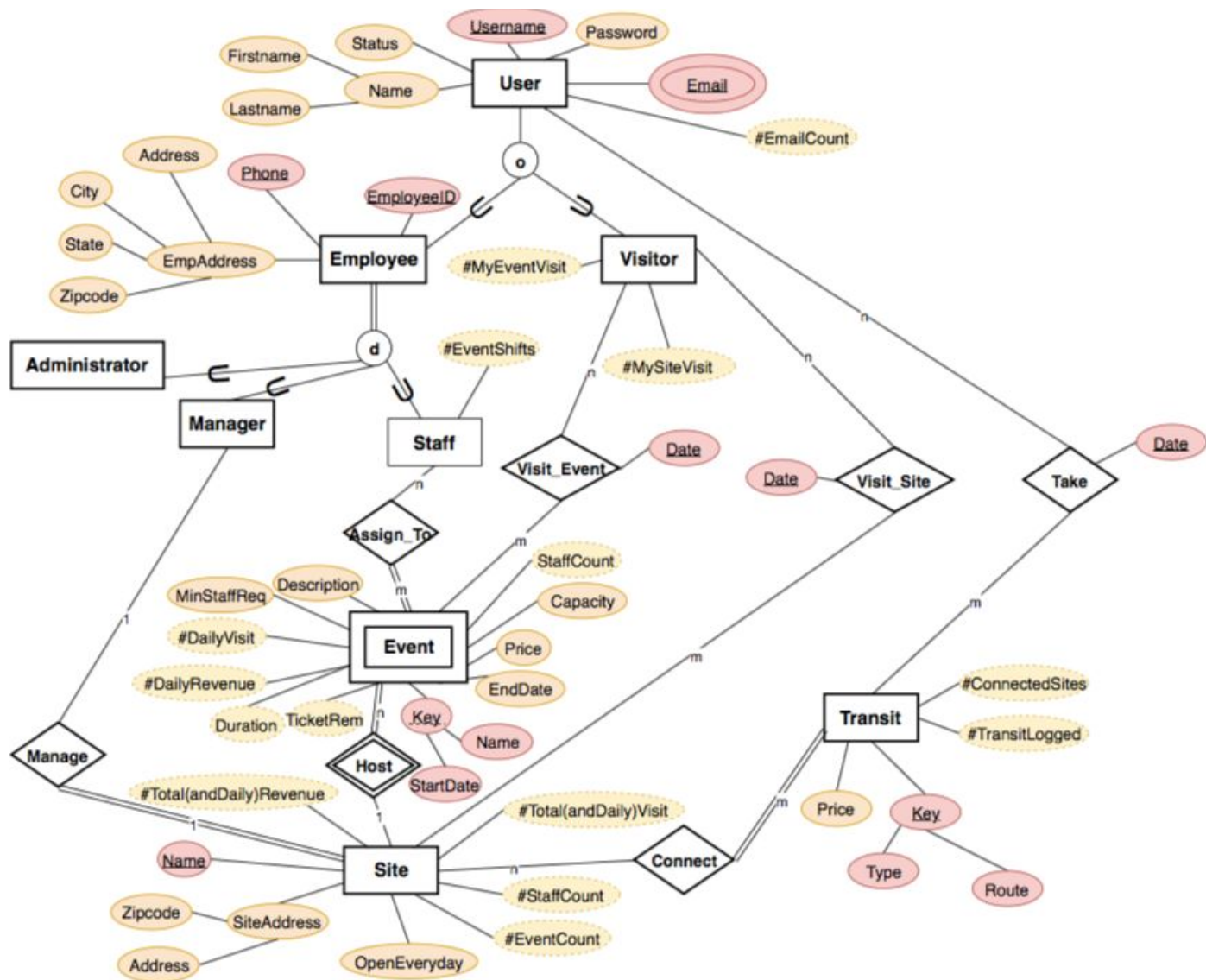


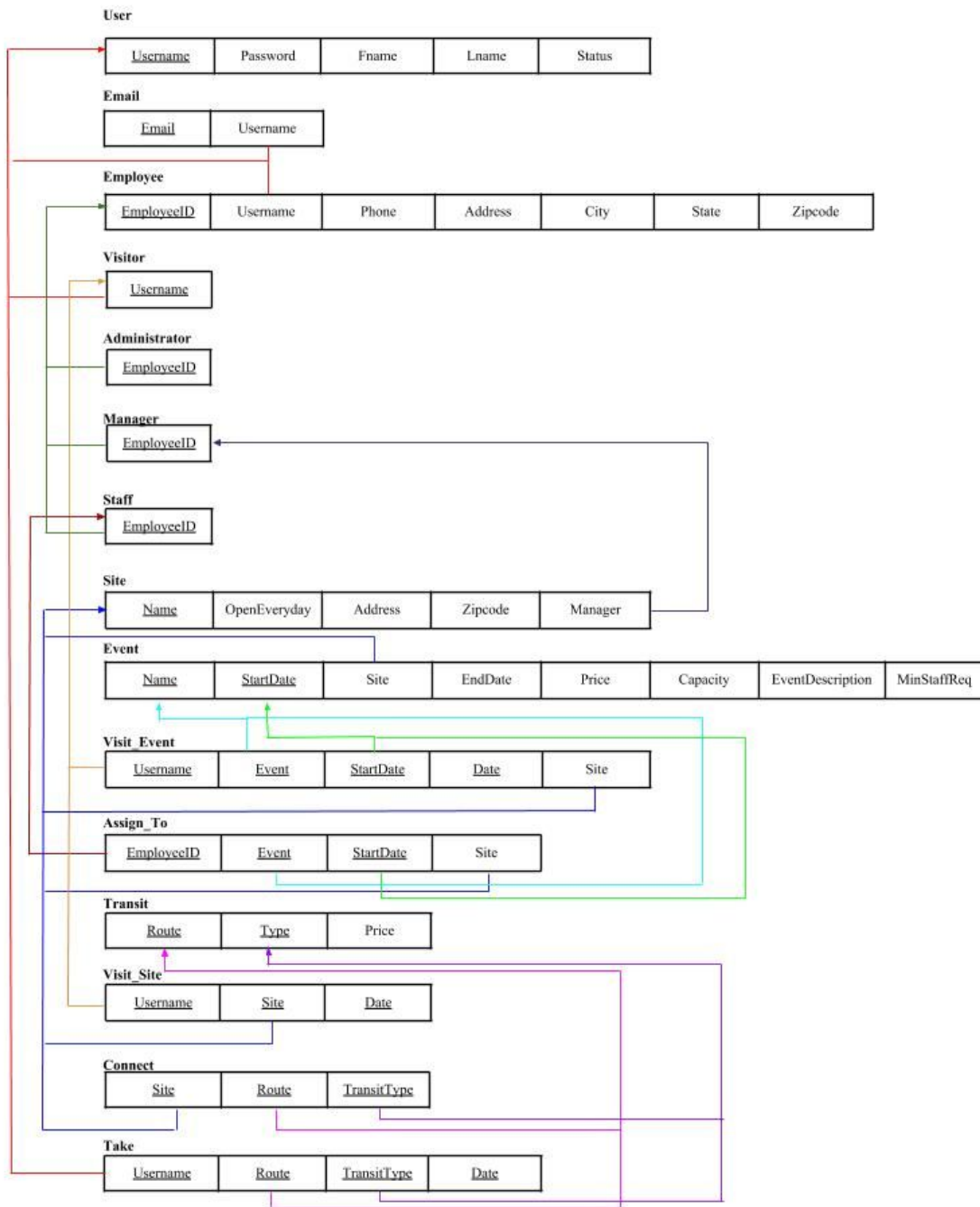


TEAM 71

Phase [2]

Natalie Lucco (nlucco3)
Maggie Monahan (mmonahan3)
Josh White (jwhite333)
Grant Cloud (gcloud3)
Chandler Witucki (cwitucki3)





CREATE TABLE USER

(Username	VARCHAR(15)	NOT NULL,
Password	VARCHAR(30)	NOT NULL,
Fname	VARCHAR(30)	NOT NULL,
Lname	VARCHAR(30)	NOT NULL,
Status	VARCHAR(15)	NOT NULL,
PRIMARY KEY (Username));		

CREATE TABLE EMPLOYEE

(EmployeeID	INT	NOT NULL,
Username	VARCHAR(15)	NOT NULL,
Phone	CHAR(10)	NOT NULL,
Address	VARCHAR(30),	
City	VARCHAR(30),	
State	CHAR(2),	
Zipcode	CHAR(5),	
PRIMARY KEY (EmployeeID),		
UNIQUE (Phone),		
UNIQUE (Username),		
FOREIGN KEY (Username) REFERENCES USER(Username)		
ON UPDATE CASCADE ON DELETE CASCADE);		

CREATE TABLE VISITOR

(Username	VARCHAR(15)	NOT NULL,
PRIMARY KEY (Username),		
FOREIGN KEY (Username) REFERENCES USER(Username)		
ON UPDATE CASCADE ON DELETE CASCADE);		

CREATE TABLE ADMINISTRATOR

(EmployeeID	INT	NOT NULL,
PRIMARY KEY (EmployeeID),		
FOREIGN KEY (EmployeeID) REFERENCES EMPLOYEE(EmployeeID)		
ON UPDATE CASCADE ON DELETE RESTRICT);		

CREATE TABLE MANAGER

(EmployeeID	INT	NOT NULL,
PRIMARY KEY (EmployeeID),		
FOREIGN KEY (EmployeeID) REFERENCES EMPLOYEE(EmployeeID)		
ON UPDATE CASCADE ON DELETE CASCADE);		

CREATE TABLE STAFF

(EmployeeID	INT	NOT NULL,
PRIMARY KEY (EmployeeID),		

FOREIGN KEY (EmployeeID) REFERENCES EMPLOYEE(EmployeeID)
ON UPDATE CASCADE ON DELETE CASCADE);

CREATE TABLE SITE

(Name	VARCHAR(30)	NOT NULL,
Zipcode	CHAR(5),	
Address	VARCHAR(30),	
OpenEveryday	VARCHAR(3),	
Manager	INT	NOT NULL,
PRIMARY KEY (Name),		
FOREIGN KEY (Manager) REFERENCES MANAGER (EmployeeID)		
ON UPDATE CASCADE ON DELETE CASCADE);		

CREATE TABLE EVENT

(Name	VARCHAR(30)	NOT NULL,
StartDate	DATE	NOT NULL,
Site	VARCHAR(30)	NOT NULL,
EndDate	DATE,	
Price	VARCHAR(30),	
Capacity	INT,	
EventDescription	VARCHAR(10000),	
MinStaffRequired	INT,	
PRIMARY KEY (Name, StartDate),		
FOREIGN KEY (Site) REFERENCES SITE(Name)		
ON UPDATE CASCADE ON DELETE RESTRICT);		

CREATE TABLE VISIT_EVENT

(Username	VARCHAR(15)	NOT NULL,
Event	VARCHAR(30)	NOT NULL,
StartDate	DATE	NOT NULL,
Date	DATE	NOT NULL,
Site	VARCHAR(30)	NOT NULL,
PRIMARY KEY (Username, Event, StartDate, Date),		
FOREIGN KEY (Username) REFERENCES VISITOR (Username)		
ON UPDATE CASCADE ON DELETE CASCADE,		
FOREIGN KEY (Site) REFERENCES SITE(Name)		
ON UPDATE CASCADE ON DELETE CASCADE,		
FOREIGN KEY (Event, StartDate) REFERENCES EVENT(Name, StartDate)		
ON UPDATE CASCADE ON DELETE CASCADE);		

CREATE TABLE ASSIGN_TO

(EmployeeID	INT	NOT NULL,
Site	VARCHAR(30)	NOT NULL,
StartDate	DATE	NOT NULL,
Event	VARCHAR(30)	NOT NULL,

PRIMARY KEY (EmployeeID, StartDate, Event),
FOREIGN KEY (EmployeeID) **REFERENCES** STAFF (EmployeeID)
 ON UPDATE CASCADE **ON DELETE** CASCADE,
FOREIGN KEY (Site) **REFERENCES** SITE (Name)
 ON UPDATE CASCADE **ON DELETE** CASCADE,
FOREIGN KEY (Event, StartDate) **REFERENCES** EVENT (Name, StartDate)
 ON UPDATE CASCADE **ON DELETE** CASCADE);

CREATE TABLE TRANSIT

(Type	VARCHAR(30)	NOT NULL,
Route	VARCHAR(30)	NOT NULL,
Price	VARCHAR(10000),	

PRIMARY KEY (Type, Route));

CREATE TABLE VISIT_SITE

(Username	VARCHAR(15)	NOT NULL,
Site	VARCHAR(30)	NOT NULL,
Date	DATE	NOT NULL,

PRIMARY KEY (Username, Site, Date),
FOREIGN KEY (Username) **REFERENCES** VISITOR (Username)
 ON UPDATE CASCADE **ON DELETE** CASCADE,
FOREIGN KEY (Site) **REFERENCES** SITE (Name)
 ON UPDATE CASCADE **ON DELETE** CASCADE);

CREATE TABLE CONNECT

(Site	VARCHAR(30)	NOT NULL,
Route	VARCHAR(30)	NOT NULL,
TransitType	VARCHAR(30)	NOT NULL,

PRIMARY KEY (Site, Route, TransitType),
FOREIGN KEY (Site) **REFERENCES** SITE (Name)
 ON UPDATE CASCADE **ON DELETE** CASCADE,
FOREIGN KEY (TransitType, Route) **REFERENCES** TRANSIT (Type, Route)
 ON UPDATE CASCADE **ON DELETE** CASCADE);

CREATE TABLE TAKE

(Username	VARCHAR(15)	NOT NULL,
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Route	VARCHAR(30)	NOT NULL,
TransitType	VARCHAR(30)	NOT NULL,
Date	DATE	NOT NULL,

PRIMARY KEY (Username, Route, TransitType, Date),
FOREIGN KEY (Username) **REFERENCES** USER (Username)
ON UPDATE CASCADE ON DELETE CASCADE,
FOREIGN KEY (TransitType, Route) **REFERENCES** TRANSIT (Type, Route)
ON UPDATE CASCADE ON DELETE CASCADE);

CREATE TABLE EMAIL

(Email	VARCHAR(30)	NOT NULL,
Username	VARCHAR(15)	NOT NULL,

PRIMARY KEY (Email),
FOREIGN KEY (Username) **REFERENCES** USER(Username)
ON UPDATE CASCADE ON DELETE CASCADE);