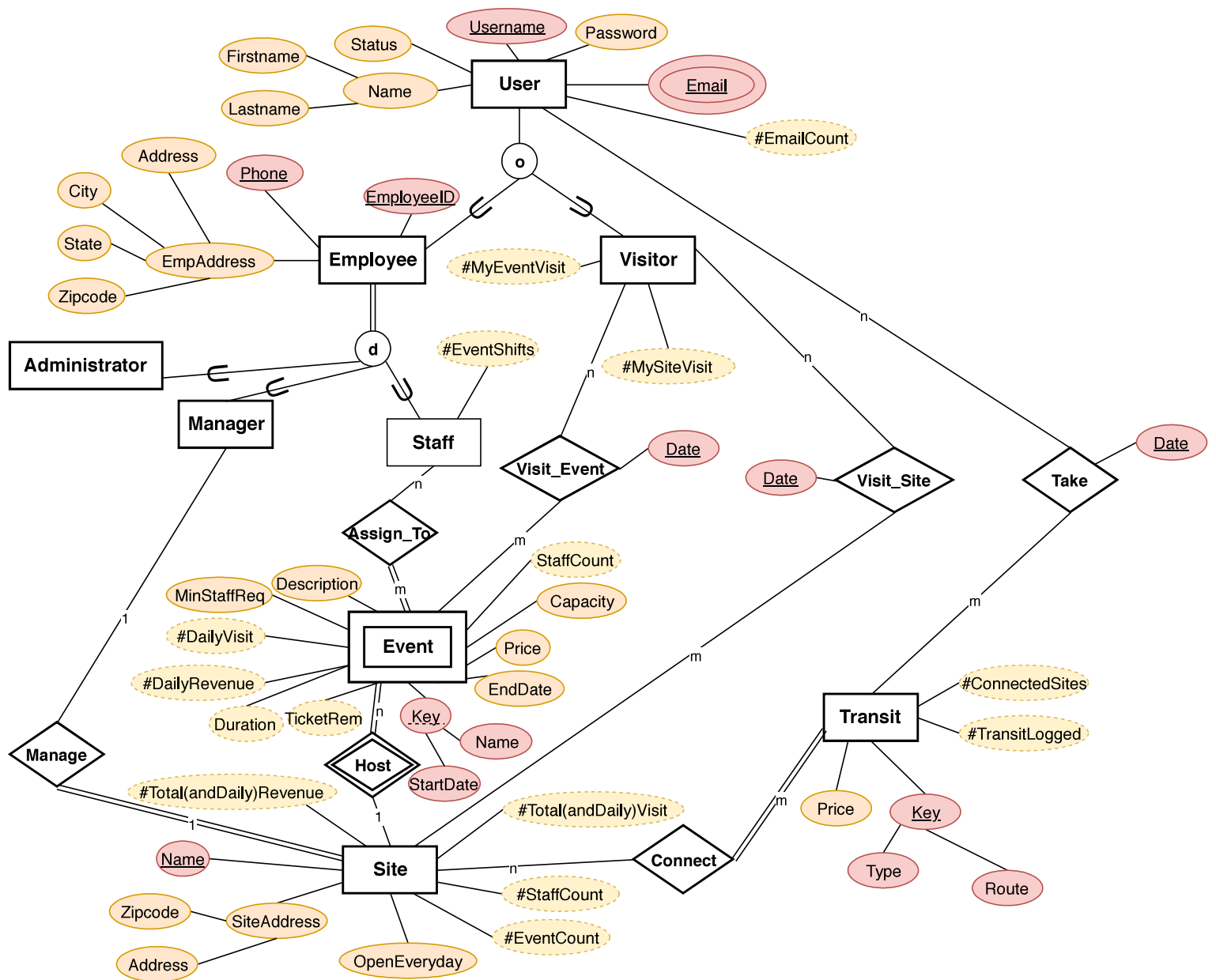


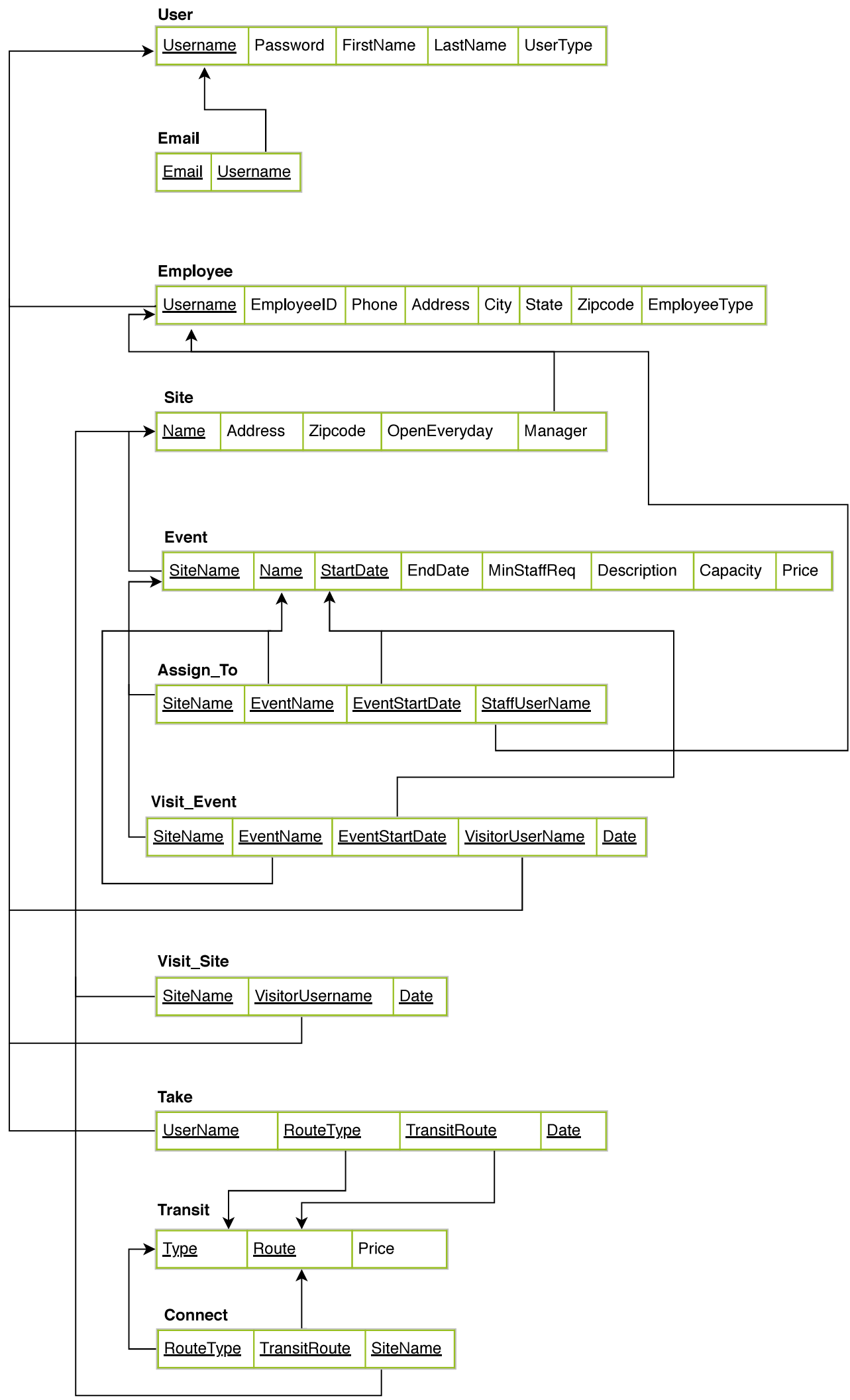


# TEAM 63

Phase [2]

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## MySQL CREATE TABLE Statements

```
CREATE TABLE user (  
  username varchar(50) NOT NULL,  
  password varchar(255) NOT NULL,  
  firstname varchar(50) NOT NULL,  
  lastname varchar(50) NOT NULL,  
  usertype enum('USER', 'VISITOR', 'EMPLOYEE', 'EMPLOYEE-VISITOR') NOT NULL,  
  PRIMARY KEY (username),  
  CHECK (len(password) >= 8)  
);
```

```
CREATE TABLE email (  
  email varchar(50),  
  username varchar(50),  
  FOREIGN KEY (username) REFERENCES user (username)  
  ON DELETE CASCADE ON UPDATE CASCADE,  
  UNIQUE KEY (email)  
);
```

```
CREATE TABLE employee (  
  username varchar(50) NOT NULL,  
  employeeID int(10) NOT NULL,  
  employeeType enum('administrator', 'manager', 'staff') NOT NULL,  
  phone int(11) NOT NULL,  
  address varchar(50) NOT NULL,  
  city char(30) NOT NULL,  
  state enum('AL', 'AK', 'AZ', 'AR', 'CA', 'CO', 'CT', 'DE', 'FL', 'GA', 'HI', 'ID', 'IL', 'IN', 'IA', 'KS', 'KY', 'LA', 'ME', 'MD',  
  'MA', 'MI', 'MN', 'MS', 'MO', 'MT', 'NE', 'NV', 'NH', 'NJ', 'NM', 'NY', 'NC', 'ND', 'OH', 'OK', 'OR', 'PA', 'RI', 'SC', 'SD',  
  'TN', 'TX', 'UT', 'VT', 'VA', 'WA', 'WV', 'WI', 'WY') NOT NULL,  
  zipcode int(6) NOT NULL,  
  PRIMARY KEY(username),  
  UNIQUE KEY (employeeID, phone),  
  FOREIGN KEY (username) REFERENCES user (username)  
  ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE site (  
  name varchar(50) NOT NULL,  
  address varchar(50),  
  zipcode int(6) NOT NULL,  
  openEveryday enum('yes', 'no') NOT NULL,  
  manager varchar(50) NOT NULL,  
  PRIMARY KEY(name),  
  UNIQUE KEY(manager),  
  FOREIGN KEY(manager) REFERENCES employee (username)  
  ON DELETE RESTRICT ON UPDATE CASCADE  
);
```

```
CREATE TABLE event (  
name varchar(100) NOT NULL,  
sitename varchar(50) NOT NULL,  
startDate DATETIME NOT NULL,  
endDate DATETIME NOT NULL,  
minStaffReq int(3) NOT NULL,  
description text NOT NULL,  
capacity int(3) NOT NULL,  
price int unsigned NOT NULL,  
PRIMARY KEY (name, sitename, startDate),  
UNIQUE KEY(name, sitename, startDate, endDate),  
CHECK (startDate < endDate),  
FOREIGN KEY (siteName) REFERENCES site (name)  
ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE assign_To(  
staffUserName varchar(50) NOT NULL,  
eventName varchar(100) NOT NULL,  
siteName varchar(50) NOT NULL,  
startDate DATETIME NOT NULL,  
PRIMARY KEY (staffUserName, eventName, siteName, startDate),  
FOREIGN KEY (staffUserName) REFERENCES employee (username)  
ON DELETE CASCADE ON UPDATE CASCADE,  
FOREIGN KEY (eventName, SiteName, StartDate) REFERENCES event (name, siteName, startDate)  
ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE visit_event(  
visitorUsername varchar(50) NOT NULL,  
siteName varchar(50) NOT NULL,  
eventName varchar(100) NOT NULL,  
eventStartDate DATETIME NOT NULL,  
date DATETIME NOT NULL,  
PRIMARY KEY(visitorUsername, siteName, eventName, eventstartdate, Date),  
FOREIGN KEY (visitorUsername) REFERENCES user (username)  
ON DELETE CASCADE ON UPDATE CASCADE,  
FOREIGN KEY (eventName, siteName, eventStartDate) REFERENCES event (name, siteName, startDate)  
ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE visit_Site(  
siteName varchar(50) NOT NULL,  
visitorUserName varchar(50) NOT NULL,  
date DATETIME NOT NULL,  
PRIMARY KEY(visitorUsername, siteName, date),  
FOREIGN KEY (visitorUsername) REFERENCES user (username)  
ON DELETE CASCADE ON UPDATE CASCADE,  
FOREIGN KEY (siteName) REFERENCES site (name)
```

```
ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE transit(  
type enum('MARTA', 'Bus', 'Bike') NOT NULL,  
route varchar(15) NOT NULL,  
price int unsigned NOT NULL,  
PRIMARY KEY(type, route)  
);
```

```
CREATE TABLE take(  
userName varchar (50) NOT NULL,  
routeType enum('marta', 'bus', 'bike') NOT NULL,  
transitRoute varchar(15) NOT NULL,  
date DATETIME NOT NULL,  
PRIMARY KEY(userName, routeType, transitRoute, date),  
FOREIGN KEY (username) REFERENCES user (username)  
ON DELETE CASCADE ON UPDATE CASCADE,  
FOREIGN KEY (routeType, transitRoute) REFERENCES transit(type, route)  
ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE connect(  
routeType enum('MARTA', 'Bus', 'Bike') NOT NULL,  
transitRoute varchar(15) NOT NULL,  
siteName varchar(50) NOT NULL,  
PRIMARY KEY(siteName, routeType, transitRoute),  
FOREIGN KEY(siteName) REFERENCES site (name)  
ON DELETE CASCADE ON UPDATE CASCADE,  
FOREIGN KEY (routeType, transitRoute) REFERENCES transit (type, route)  
ON DELETE CASCADE ON UPDATE CASCADE  
);
```