create table user ( user\_id int not null auto\_increment, email varchar(255) not null, password varchar(255) not null, primary key (user\_id) );

create table business\_owner ( business\_owner\_id int not null auto\_increment, email varchar(255) not null, password varchar(255) not null, primary key (business\_owner\_id) );

create table user\_preference( user\_id int, preference\_id int not null auto\_increment, preference varchar(255) not null, primary key(preference\_id),foreign key (user\_id) references user(user\_id));

create table restaurant( restaurant\_id int not null, restaurant\_name varchar(255) not null, address\_1 varchar(255) not null, address\_2 varchar(255), state varchar(2) not null, zip int(5) not null, phone\_number int(10) not null, primary key (restaurant\_id),foreign key (restaurant\_id) references business\_owner(business\_owner\_id));

create table ethnicity( ethnicity\_id int not null auto\_increment, restaurant\_id int not null, ethnicity varchar(255) not null,primary key (ethnicity\_id,restaurant\_id

),foreign key(restaurant\_id) references restaurant(restaurant\_id));

create table hours( restaurant\_id int not null, day varchar(15) not null, open\_closed varchar(10) not null, start\_time varchar(2) not null, end\_time varchar(2) not null, primary key (restaurant\_id,day),foreign key(restaurant\_id) references restaurant(restaurant\_id));

create table menu\_item( menu\_item\_id int not null auto\_increment, restaurant\_id int not null, menu\_item varchar(255), primary key (menu\_item\_id,restaurant\_id), foreign key (restaurant\_id) references restaurant(restaurant\_id) );

create table category( restaurant\_id int not null, menu\_item\_id int not null auto\_increment, category varchar(255) not null ,primary key (menu\_item\_id), foreign key (restaurant\_id) references restaurant(restaurant\_id) );

create table allergen( restaurant\_id int not null, menu\_item\_id int not null, allergen\_id int not null auto\_increment, allergen varchar(255), primary key (allergen\_id), foreign key (restaurant\_id) references restaurant(restaurant\_id), foreign key (menu\_item\_id) references menu\_item(menu\_item\_id) );