

Project Introduction

Our Project describes the entire ecosystem at UNCC. The students, faculty, staff, and many more entities compose UNC-Charlotte as a whole. Our Project contains 20 tables -- starting with the Person table.

The Person table has a primary key of `person_id` which is an integer and each person has an identification number. It also has a foreign key of `person_type_id` which is also an integer and describes how each person type has an identification number as well. Person types can either be a driver, student, campus faculty, or staff member. Person type also has its own table.

The Address table has a primary key of `address_id` which is an integer and means each address has its own identification number. It has a foreign key of `person_id` which is an integer.

The Faculty table has a primary key of `faculty_id` which is an integer and defines each faculty member with his/her own identification number. It has a foreign key of `person_id` which is an integer.

The Student table has a primary key of `student_id` which is an integer and means each student has his/her own identification number. It has a foreign key of `person_id` which is an integer.

The Staff table has a primary key of `staff_id` which is an integer and identifies each staff member with his/her own identification number. It has a foreign key of `person_id` which is an integer.

The Driver table has a primary key of `driver_id` which is an integer and identifies the driver with his/her own identification number. This table has 3 foreign keys -- `student_id`, `vehicle_id`, and `person_id` which are all integers.

The Vehicle table has a primary key of `vehicle_id` which is an integer and identifies the vehicle with its own identification number. This table does not have a foreign key.

The Restaurant table has a primary key of `restaurant_id` which is an integer and identifies every restaurant with its own identification number. It has a foreign key of `social_media_id` which is an integer.

The Social Media table has a primary key of `social_media_id` which is an integer and identifies each restaurant's social media with an identification number. It has a foreign key of `restaurant_id` which is an integer.

The Restaurant Items table has a primary key of `item_id` which is an integer and identifies each item with an identification number. It has a foreign key of `restaurant_id` which is an integer.

The Order table has a primary key of `order_id` which is an integer and identifies each restaurant's order with its own identification number. This table has 5 foreign keys -- `person_id`, `delivery_id`, `location_id`, `restaurant_id`, and `payment_type_id` which are all integers.

The Delivery table has a primary key of `delivery_id` which is an integer and identifies each delivery with its own identification number. This table does not have a foreign key.

The Order Items table has a primary key of `order_item_id` which is an integer and identifies each order item with its own identification number. This table has 2 foreign keys -- `order_id` and `item_id` which are both integers.

The Payment Type table has a primary key of `payment_type_id` which is an integer and identifies each payment type with a corresponding identification number.

The Rating table has a primary key of rating_id which is an integer and identifies each rating with its own identification number. It has a foreign key of order_id which is an integer as well.

The Driver Rating table has a primary key of rating_id which is an integer and identifies each driver's rating with its own identification number. It has a foreign key of driver_id which is also an integer.

The Restaurant Rating table has a primary key of restaurant_rating which is an integer and identifies each restaurant's rating with its own identification number. It has a foreign key of restaurant_id which is also an integer.

The Location table has a primary key of location_id which is an integer and identifies each location with its own identification number. This table does not have a foreign key.

The Offers table has a primary key of offer_id which is an integer and identifies each offer with its own identification number. This table has 2 foreign keys -- offer_type_id and restaurant_id which are both integers.

The Offers Type table has a primary key of offer_type_id which is an integer and identifies each restaurant, delivery, referral, or application offer with its own identification number. This table does not contain a foreign key.

The Offer Redeem Details table does not contain a primary key and has 2 foreign keys -- offer_id and person_id which are both integers.