

## Final Project: COP 4710

Tables: (***bold*** = changes made, must explain)

1. Users (UserID, Username, ***Password***, Email)
  - PK: UserID
  - Constraints: Username, Email Not NULL
2. Cities (CityID, CityName, State, Latitude, Longitude)
  - PK: CityID
  - Constraints: CityName, State Not NULL
3. PlacesToVisit (PlaceID, City, PlaceName, Tags, Latitude, Longitude)
  - PK: PlaceID
  - FK: City (references Cities)
4. Restaurants (RestaurantID, City, RestaurantName, CuisineType, MealType, Latitude, Longitude)
  - PK: RestaurantID
  - FK: City (references Cities), ***CuisineType (references Food)***
5. Hotels (HotelID, City, HotelName, Rating, PriceRange, Latitude, Longitude)
  - PK: HotelID
  - FK: City (references Cities)
6. Interests (InterestID, InterestName)
  - PK: InterestID
- ~~7. CanSatisfy (PlaceID, InterestID) (Relation)~~
  - ~~— PK, FK: PlaceID (references PlacesToVisit), InterestID (references Interests)~~
- ~~8. UserPreferences (UserID, InterestID) (Relation)~~
  - ~~— PK, FK: UserID (references Users), InterestID (references Interests)~~
9. Food (FoodID, FoodName)
  - PK: FoodID
- ~~10. FoodPreferences (UserID, FoodID) (Relation)~~
  - ~~— PK, FK: UserID (references Users), FoodID (references Food)~~
- ~~11. UserTrips (TripID, UserID, StartingCity, EndingCity, Notes, NumberOfDays)~~
  - ~~— PK: TripID~~
  - ~~— FK: UserID (references Users), StartingCity (references Cities, NotNULL), EndingCity (references Cities, NotNULL)~~

12. ~~DayPlan (DayID, TripID, DayNumber, MorningPlaceID, AfternoonPlaceID, NightPlaceID, BreakfastRestaurantID, LunchRestaurantID, DinnerRestaurantID, HotelID, Notes)~~
- ~~—PK: DayID~~
  - ~~—FK: TripID (references UserTrips), MorningPlaceID (references PlacesToVisit), AfternoonPlaceID (references PlacesToVisit), NightPlaceID (references PlacesToVisit), BreakfastRestaurantID (references Restaurants, NotNULL), LunchRestaurantID (references Restaurants, NotNULL), DinnerRestaurantID (references Restaurants, NotNULL)~~