# User Characteristics and Place Codes

**User Characteristics**

* UserID
  + Unique for each user
  + For internal logistics purposes only, not fed into machine
* UserName
* Gender
  + UI might want to consider having options for male, female, and other/non-binary/prefer not to answer.
* travelType
  + Business or leisure
* preferredCategoryCodes
  + A list of Categories of Places the user prefers. For example, the list [3,5,9,10] would represent [Casual-side restaurant, convenience store, ATM, and Child Play Area] based on the codes in the table below.
* preferredFoodCodes
  + Same as above, but with Foods
* preferredProductCodes
  + Same as above, but with types of product offered
* topAmenities
  + A list of items that the user is likely to purchase at an airport. The options for this list should be the same as the amenities that we have data for at the airport. For instance, “water” is a variable of each Place at the airport, stating if that Place has water or not. Therefore, water should be an option for “topAmenities”.
* airlineStatus
  + A code (likely from 0-4) that represents the flyer’s status.
* location
  + The current location of the user. Should likely be updated every x seconds or minutes.

*Note:* We might want to list any other characteristics as “nice to haves” in the presentation, unless they are so beneficial to the machine that we should include them in the demo itself.

**Category Codes**

|  |  |  |
| --- | --- | --- |
| Class | Category | Category name and description |
| 0 | 0 | Gate |
| 0 | 1 | Security Checkpoint |
| 1 | 2 | Snacks/Beverages eatery (coffee, ice cream, bakery, pretzels, candy) (low-end) |
| 1 | 3 | Casual-Side restaurant (mid-range) |
| 1 | 4 | Higher-end restaurant/bar (high-end) |
| 2 | 5 | Convenience Store (low-end) |
| 1 | 6 | Normal Store (tech, souvenirs, normal goods, etc.) (mid-range) |
| 1 | 7 | Luxury Store (high-end) |
| 2 | 8 | Store offering services only (Spa, shoe cleaning, etc.) |
| 2 | 9 | ATM |
| 2 | 10 | Child Play Area |
| 2 | 11 | Pet Rest Area |
| 2 | 12 | Lounge |
| 2 | 13 | Electronics charging station |
| 3 | 14 | Information station |
| 3 | 15 | Restroom/Water Fountain/Health |
| 3 | 16 | Car Rental Station |
| 3 | 17 | Exit (I don’t actually think we have to map this one) |
| 2 | 18 | Spiritual Rejuvenation Center |
| 2 | 19 | Luggage Cart |
| 3 | 20 | Telephones |
| 1 | 21 | Vending |
|  | xxx | *add any more (like ride share areas)* |

**Food Codes**

|  |  |
| --- | --- |
| 0 | American |
| 1 | Asian and Vietnamese and Thai |
| 2 | Bakeries |
| 3 | Barbeque |
| 4 | Breakfast and Brunch |
| 5 | Burgers |
| 6 | Coffe and Tea |
| 7 | Delis |
| 8 | Diners |
| 9 | Fast Food |
| 10 | French |
| 11 | Ice Cream and Frozen Yogurt |
| 12 | Irish |
| 13 | Italian |
| 14 | Juice Bars and Smoothies and Cafes |
| 15 | Latin American and Mexican and Tex Mex and Southwestern and Tapas and Small Plates |
| 16 | Mediterranean |
| 17 | Pizza |
| 18 | Pretzels |
| 19 | Salad |
| 20 | Sandwiches |
| 21 | Soup |
| 22 | Steakhouse |
| 23 | Wine Bars and Wine and Spirits |

**Product Codes**

|  |  |
| --- | --- |
| code | type |
| 0 | Accessories |
| 1 | Amenities |
| 2 | Apparel |
| 3 | Comfort |
| 4 | Consumables |
| 5 | Convenience |
| 6 | Cosmetics |
| 7 | Currency |
| 8 | Electronics |
| 9 | Fragrances |
| 10 | Gifts |
| 11 | Health |
| 12 | Jewelry |
| 13 | Leather Goods |
| 14 | Luggage |
| 15 | Social Services |
| 16 | Sunglasses |
| 17 | Sweets |