**Attribute List**

**Team:** *number*

**Names:***name*

***Domains:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Domain Name*** | ***Datatype*** | ***Size*** | ***Valid Values*** | ***Default Value*** |
| Firstname | Varchar | 40 | /^[A-Z][a-z\-\s]\*$/ |  |
| Lastname | Varchar | 40 | /^[A-Z][a-z\-\s]\*$/ |  |
| Street | Varchar | 25 | /^[0-9a-z\s\-]$/ |  |
| City | Varchar | 20 | /^[A-Z][a-z\-\s]\*$/ | Gatineau |
| Province | Char | 2 | QC, ON, NB etc. | QC |
| Postal—Code | char | 7 | /^[A-Z]\d[A-Z]\s\d[A-Z\d$/ |  |
| Phone | char | 12 | ^\d{3}-\d{3}-\d{4}$ |  |
| Id | Number | 5,0 |  | 0 |
| Year | Number | 4,0 | 1980-2025 | Current year |
| Month | Number | 2,0 | 1-12 | 1 |
| Day | Number | 2,0 | 1-31 | 1 |
| Boolean | Varchar | 6 | ‘true’ ‘false’ | ‘false’ |
| Size | Char | 1 | ‘S’ ‘M’ ‘L’ | ‘M’ |
| Status | Number | 1,0 | 1 2 3 4 | 1 |
| Pet\_Type | Varchar | 10 | ‘Cat’ ‘Dog’ | ‘Dog’ |

***Attributes:***

| ***Attribute*** | ***Entity*** | ***Identifier?*** | ***Domain*** | ***Datatype[[1]](#footnote-2)*** | ***Size\**** | ***Valid values\**** | ***Default\**** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Customer\_first\_name* | *Customer* | *No* | *Firstname* |  |  |  |  |
| customer\_last\_name | Customer | *No* | *Lastname* |  |  |  |  |
| customer\_home\_number | Customer | *No* | Phone |  |  |  |  |
| customer\_cell\_number | Customer | *No* | Phone |  |  |  |  |
| customer\_email | Customer | *No* |  | *Varchar* | *40* | *Email format* |  |
| customer\_street\_number | Customer | *No* |  | *Number* | *5,0* | *From*  *1-99999* |  |
| customer\_street\_name | Customer | *No* | *Street* |  |  |  |  |
| customer\_city | Customer | *No* | *City* |  |  |  |  |
| customer\_postal\_code | Customer | *No* | *Postal-Code* |  |  |  |  |
| customer\_emergancy\_contact\_phone | Customer | *No* | Phone |  |  |  |  |
| **customer\_id** | Customer | *Yes* | *Id* |  |  |  |  |
| customer\_emergancy\_contact\_first\_name | Customer | *No* | *Firstname* |  |  |  |  |
| customer\_emergency\_contact\_last\_name | Customer | *No* | *Lastname* |  |  |  |  |
| pet\_name | Pet | *No* | *firstname* |  |  |  |  |
| pet\_sex | Pet | *No* |  | *char* | *1* | *‘F’*  *‘M’* | *‘male’* |
| pet\_breed | Pet | *No* |  | *Varchar* | *20* | *Any dog or cat breed* |  |
| pet\_year\_of\_birth | Pet | *No* | *Year* |  |  |  |  |
| pet\_month\_of\_birth | Pet | *No* | *Month* |  |  |  |  |
| pet\_day\_of\_birth | Pet | *No* | *Day* |  |  |  |  |
| owner\_id | Pet | *No* | *Id* |  |  |  |  |
| **pet\_id** | Pet | *Yes* | *Id* |  |  |  |  |
| dog\_size | Dog | *No* | *Size* |  |  |  |  |
| dog\_barker | Dog | *No* | *Boolean* |  |  |  |  |
| dog\_climber | Dog | *No* | *Boolean* |  |  |  |  |
| cat\_indoor\_outdoor | Cat | *No* |  | *Varchar* | *10* | *‘indoor’*  *‘outdoor’* | *‘indoor’* |
| cat\_litter\_trained | Cat | *No* | *Boolean* |  |  |  |  |
| **vaccination\_name** | Vaccination | *Yes* |  | *Varchar* | *30* | *Valid vaccination name* |  |
| vaccination\_expiration\_year | Vaccination Certificate | *No* | *Year* |  |  |  |  |
| vaccination\_expiration\_month | Vaccination Certificate | *No* | *Month* |  |  |  |  |
| vaccination\_expiration\_day | Vaccination Certificate | *No* | *Day* |  |  |  |  |
| **medication\_name** | Medication | *yes* |  | *Varchar* | *40* |  |  |
| medication\_instructions | Pet Medication | *no* |  | *Varchar* | *400* |  |  |
| medication\_frequency | Pet Medication | *no* |  | *Varchar* | *20* |  |  |
| medication\_start\_year | Pet Medication | *no* | *Year* |  |  |  |  |
| medication\_start\_month | Pet Medication | *no* | *Month* |  |  |  |  |
| medication\_start\_day | Pet Medication | *no* | *Day* |  |  |  |  |
| medication\_end\_year | Pet Medication | *no* | *Year* |  |  |  |  |
| medication\_end\_month | Pet Medication | *no* | *Month* |  |  |  |  |
| medication\_end\_day | Pet Medication | *no* | *Day* |  |  |  |  |
| **run\_id** | Run | *Yes* | *Id* |  |  |  |  |
| run\_size | Run | *No* | *Size* |  |  |  |  |
| run\_covered | Run | *No* | *Boolean* |  |  |  |  |
| run\_status\_code | Run | *No* | *Status* |  |  |  |  |
| run\_location | Run | *No* |  | *char* | *20* | *‘B’*  *‘F’* | *‘F’* |
| **suite\_id** | Suite | *Yes* | *id* |  |  |  |  |
| suite\_type | Suite | *No* |  | *Varchar* | *2* | *‘R’*  *‘SL’*  *‘L’* | *‘R’* |
| suite\_status | Suite | *No* | *Status* |  |  |  |  |
| **note\_id** | Note | *Yes* | *id* |  |  |  |  |
| note\_firstname | Note | *No* | *Firstname* |  |  |  |  |
| note\_lastname | Note | *No* | *Lastname* |  |  |  |  |
| note\_year | Note | *No* | *Year* |  |  |  |  |
| note\_month | Note | *No* | *Month* |  |  |  |  |
| note\_day | Note | *No* | *Day* |  |  |  |  |
| note\_content | Note | *No* |  | *Varchar* | *400* |  |  |
| **service\_id** | Service | *Yes* | *id* |  |  |  |  |
| service\_name | Service | *No* |  | *Varchar* | *20* |  |  |
| **rate\_id** | Rate | *Yes* | *id* |  |  |  |  |
| rate\_price | Rate | *No* |  | *Money* | *10* |  | *0* |
| rate\_dog\_size | Rate | *No* | *Size* |  |  |  |  |
| rate\_pet\_type | Rate | *No* | *Pet\_Type* |  |  |  |  |
| rate\_number\_of\_cats | Rate | *No* |  | *Number* | *2,0* |  | *0* |
| **discount\_id** | Discount | *Yes* | *id* |  |  |  |  |
| discount\_name | Discount | *No* |  | *Varchar* | *20* |  |  |
| discount\_percent | Discount | *No* |  | *Decimal* | *2* |  | *0* |
| discount\_type | Discount | *No* |  | *Varchar* | *40* | *‘Two dogs sharing run’*  *‘large dogs with own food’*  *‘Three or more pets’*  *‘2 cats in one luxury suite’* |  |
| **reservation\_id** | Reservation | *Yes* | *id* |  |  |  |  |
| reservation\_status\_code | Reservation | *No* |  | *Number* | *1,0* | *1- `pending`*  *2- ‘confirmed’*  *3- ‘active’*  *4- ‘cancelled’*  *5- ‘’completed’* |  |
| reservation\_start\_year | Reservation | *No* | *Year* |  |  |  |  |
| reservation\_start\_month | Reservation | *No* | *Month* |  |  |  |  |
| reservation\_start\_day | Reservation | *No* | *Day* |  |  |  |  |
| reservation\_end\_year | Reservation | *No* | *Year* |  |  |  |  |
| reservation\_end\_month | Reservation | *No* | *Month* |  |  |  |  |
| reservation\_end\_day | Reservation | *No* | *Day* |  |  |  |  |
| **food\_id** | Food | *Yes* | *id* |  |  |  |  |
| food\_brand | Food | *No* |  | *Varchar* | *20* |  |  |
| food\_pet\_type | Food | *No* | *Pet\_Type* |  |  |  |  |
| food\_variety | Food | *No* |  | *Varchar* | *20* |  |  |
| pet\_food\_frequency | pet\_food | *No* |  | *Number* | *(1,0)* | *1*  *2* | *1* |
| pet\_food\_quantity | Pet\_food | *No* |  | *Varchar* | *20* |  |  |

Relationships

| ***Parent Entity*** | ***Relationship*** | ***Child Entity*** | ***Deletes*** | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***C*** | ***D*** | ***R*** | ***N*** | ***NA*** |
| Pet | 1:1 | Dog | ***x*** |  |  |  |  |
| Pet | 1:1 | Cat | ***x*** |  |  |  |  |
| Pet | 1:M | Pet Medication | ***x*** |  |  |  |  |
| Medication | 1:M | Pet Medication | ***x*** |  |  |  |  |
| Run | 1:M | Dog |  |  |  |  | ***x*** |
| Suite | 1:M | Cat |  |  |  |  | ***x*** |
| Pet | 1:M | Vaccination Cert. | ***x*** |  |  |  |  |
| Vaccination | 1:M | Vaccination Cert. | ***x*** |  |  |  |  |
| Customer | 1:M | Pet | ***x*** |  |  |  |  |
| Food | 1:M | Pet Food | ***x*** |  |  |  |  |
| Pet | 1:M | Pet Food | ***x*** |  |  |  |  |
| Reservation | 1:M | Note |  |  | ***x*** |  |  |
| Reservation | 1:M | Reservation Discount |  |  | ***x*** |  |  |
| Discount | 1:M | Reservation Discount |  |  |  |  | ***x*** |
| Reservation | 1:M | Pet Service |  |  | ***x*** |  |  |
| Pet | 1:M | Pet Service |  |  |  |  | ***x*** |
| Service | 1:M | Pet Service |  |  |  |  | ***x*** |
| Rate | 1:1 | Service |  |  | ***x*** |  |  |

***C – Cascade D – Default R – Restrict N – Nullify NA – No Action***

1. Datatype, size, default and valid values should be blank if a domain is used. [↑](#footnote-ref-2)