DATA DICTIONARY

STAFF

Name	Data Type	Key	Description	Example Value
StaffID	CHAR(4)	PK	Unique identifier for a staff member	1234
StaffName	VARCHAR(50)		First and last name of a staff member	John Doe
StaffPhoneNumber	VARCHAR(10)		Phone number of a staff member	8081234567
StaffStreet	VARCHAR(50)		Street address where the staff member lives	286 Manoa Rd
StaffCity	VARCHAR(20)		Name of the city where a staff member lives	Honolulu
StaffState	VARCHAR(2)		Name of the state where the staff member lives	HI
StaffPostalCode	CHAR(5)		Postal code for the street address	96821
StaffHiredDate	DATE		Start date of employment at the Aquarium	2017-06-15
StaffType	VARCHAR(12)		A staff member is either a Curator or Veterinarian	Curator
ManagerID	CHAR(4)	FK	Manager who is in charge of the employee; Unique identifier for a manager	1234

CURATOR

Name	Data Type	Key	Description	Example Value
CStaffID	CHAR(4)	FK	Unique identifier for a curator	1234

VETERINARIAN

Name	Data Type	Key	Description	Example Value
VStaffID	CHAR(4)	FK	Unique identifier for a veterinarian	1234

TRAINING COURSE

Name	Data Type	Key	Description	Example Value
CourseNumber	CHAR(4)	PK	Unique identifier for a training course	TC01
CourseTitle	VARCHAR(30)		Title of a course	Animal Nutrition Course
CourseDescription	VARCHAR(255)		Description of a course	This course covers the unique nutritional needs of the aquarium animals in order to make feeding suggestions and identify malnutrition

COURSE COMPLETION

Name	Data Type	Key	Description	Example Value
StaffID	CHAR(4)	FK	Staff member that completes a training course; Unique identifier for a staff member	1234
CourseNumber	CHAR(4)	FK	Training course that the employee completes; Unique identifier for a training course	1234
DateCompleted	DATE		Description of a course	05/20/2014

ANIMAL

Name	Data Type	Key	Description	Example Value
AnimalID	CHAR(4)	PK	Unique identifier for an animal at the aquarium	1234
AnimalName	VARCHAR(30)		English name of the animal	Justin Bieber
AnimalSpecies	VARCHAR(30)		The Species family/group that the animal belongs to	8081234567
AnimalBirthDate	DATE		Approximate date the animal was born	05/20/2015
AnimalDateAcquired	DATE		Date the animal arrives at the museum	05/20/2015
AnimalType	VARCHAR(15)		The aquarium carries 4 categories of animals: fish, invertebres, marine mammals, reptiles	Fish
ExhibitNumber	CHAR(4)	FK	The Unique identifier for the exhibit where the animal may be on display for visitors	1234
EnclosureNumber	CHAR(4)	FK	The Unique identifier for the enclosure where the animal lives	1234

FISH

Name	Data Type	Key	Description	Example Value
FAnimal_ID	CHAR(4)	FK	Unique identifier for a fish	1234

INVERTEBRES

Name	Data Type	Key	Description	Example Value
IAnimal_ID	CHAR(4)	FK	Unique identifier for an invertebre	1234

MARINE MAMMALS

Name	Data Type	Key	Description	Example Value
MAnimal_ID	CHAR(4)	FK	Unique identifier for a marine mammal	1234

REPTILES

Name	Data Type	Key	Description	Example Value
RAnimal_ID	CHAR(4)	FK	Unique identifier for a reptile	1234

CURATOR WORK SCHEDULE

Name	Data Type	Key	Description	Example Value
CStaffID	CHAR(4)	FK	Unique identifier for a curator (staff member)	1234
ExhibitNumber	CHAR(4)	FK	The Unique identifier for the exhibit where the staff member is assigned to work at	1234
StartDate	DATE		Date the curator is assigned to an specific exhibit area	05/25/2012
StartTime	TIME		Start time the curator is assigned to an exhibit area	08:45:12
EndDate	DATE		Date the curator's assignment to an exhibit area has ended	05/25/2012
EndTime	TIME		End time the curator is assigned to an specific exhibit area	08:45:12

EXHIBIT

Name	Data Type	Key	Description	Example Value
ExhibitNumber	CHAR(4)	PK	Unique identifier for an exhibit	1234
ExhibitName	VARCHAR(255)		Name of the exhibit	Deep Sea Animals
LocationInBuilding	VARCHAR(255)		Description of a the location of the exhibit	West Wing

FOOD

Name	Data Type	Key	Description	Example Value
FoodNumber	CHAR(4)	PK	Unique identifier for a Food item that is fed to the animal(s)	F001
FoodDescription	VARCHAR(255)		Description of the food item	Brine Shrimp
FoodUnit	CHAR(10)		Metric Unit that is a sufficient to measure quantities of the food	lbs
QuantityOnHand	DECIMAL(5,2)		A measure of the quantity in stock in the terms of the designated food unit	324.50

FEEDING PERFORMED

Name	Data Type	Key	Description	Example Value
AnimalID	CHAR(4)	FK	Unique identifier for a staff member	1234
FoodNumber	CHAR(4)	FK	First and last name of a staff member	1234
CStaffID	(CHAR(4)	FK	Unique identifier for curator (staff member)	1234
FeedingDate	DATE	PK	Date the curator feeds an animal	05/20/2017
FeedingTime	TIME	PK	Time the animal is feed	08:45:12
FeedingAmount	DECIMAL(5,2)		Amount of food that the animal is given in terms of the designated food unit of measurement	10.04

ENCLOSURE

Name	Data Type	Key	Description	Example Value
EnclosureNumber	CHAR(4)	PK	Unique identifier for an enclosure that creates a home for a animal(s)	1234
WaterTemperature	DECIMAL(5,2)		Title of a course	194.40
FluidCapacity	DECIMAL(5,2)		Temperature of the water in the enclosure	194.40
AmbientTemperature	DECIMAL(5,2)		The maximum fluid capacity of the enclosure	194.40
AmbientHumidity	DECIMAL(5,2)		The humidity surrounding the enclosure that is adequate for the animals to live in	194.40
ExhibitNumber	CHAR(4)	FK	Unique Identifier the exhibit number when a enclosure is displayed for visitors	1234

MAINTENANCE SERVICE

Name	Data Type	Key	Description	Example Value
MaintenanceNumber	CHAR(4)	PK	Unique identifier for a maintenance activity that aquarium is responsible for	1234
MaintenanceDescription	VARCHAR(255)		Description of the maintenance activity	Cleaning an enclosure

SUPPLIER

Name	Data Type	Key	Description	Example Value
SuplierNumber	CHAR(4)	PK	Unique identifier for a supplier of animals	1234
SupplierName	VARCHAR(30)		Name of the company or individual supplier of animals	Sam's Aquatic Animals
SupplierStreet	VARCHAR(50)		Street address where the supplier is located	286 Manoa Rd
SupplierCity	VARCHAR(20)		Name of the city where a supplier is based	Honolulu
SupplierState	VARCHAR(2)		Name of the state where the supplier is based	HI
SupplierfPostalCode	CHAR(5)		Postal code for the street address	96821

MAINTENANCE PERFORMED

Name	Data Type	Key	Description	Example Value
EnclosureNumber	CHAR(4)	FK	Unique identifier for an enclosure where the maintenance service is needed for	1234
MaintenanceNumber	CHAR(4)	FK	Unique identifier for a maintenance number that corresponds to the maintenance activity being performed	1234
CStaffID	CHAR(4)	FK	Unique identifier for a curator that conducts the maintenance service	1234
MaintenanceDate	DATE	PK	Date the maintenance activity is conducted	05/25/2013
MaintenanceNotes	VARCHAR(255)		Any additional comments that a staff member may think is important to record	Many leaks were found and fixed

TREATMENT PERFORMED

Name	Data Type	Key	Description	Example Value
VStaffID	CHAR(4)	FK	Unique identifier for a veterinarian that administers the treatment	1234
AnimalID	CHAR(4)	FK	Unique identifier for an animal that undergoes treatment	1234
TreatmentCode	CHAR(4)	FK	Description of treatment administered	1234
TreatmentDate	DATE	PK	Date the treatment is administered	05/23/2019
TreatmentTime	TIME	PK	Time the treatment is administered	08:23:12
TreatmentResults	VARCHAR(255)		Short summary of results from the treatment administered	Animal died

TREATMENT

Name	Data Type	Key	Description	Example Value
TreatmentCode	CHAR(4)	PK	Unique identifier for a treatment	1234
TreatmentDescription	VARCHAR(255)		Description of the treatment	Hepatitus

SHIPMENT

Name	Data Type	Key	Description	Example Value
AnimalID	CHAR(4)	FK	Unique identifier for an animal that is supplied	1234
SupplierNumber	CHAR(4)	FK	Unique identifier for a supplier of animals to the aquarium	1234
ArrivalDate	DATE	PK	Date the shipment of a batch of animals arrive	05/23/2012
ArrivalNote	VARCHAR(255)		Additional comments or notes attached with the shipment	These animals are sensitive to bright light
NumberOfAnimals	INTEGER		Total number of animals in the batch shipment	144