Database Design

user

Name	Type	Length	Primary Key	Description
id	INT	0	Yes	primary key
login_name	VARCHAR	100		user name for login
login_password	VARCHAR	[6,15]		user password for login
creation_time	DATETIME	0		record create time
modification_time	DATETIME	0		record modify time

account_detail

Name	Type	Length	Primary Key	Description
id	INT	0	Yes	primary key
role	VARCHAR	100		Admin, PetOwner, Veterinarian
badge_number	VARCHAR	50		user badge number
email	VARCHAR	255		user email
phone_number	VARCHAR	50		user phone number
address	VARCHAR	100		user address
active	BOOLEAN	0		record status
confirmation_code	INT	0		confirmation code

pet

Name	Type	Length	Primary Key	Description
id	INT	32	Yes	primary key
user_id	INT	32		primary key in user table
rfid_number	VARCHAR	64		RFID
registration_time	DATETIME	0		record create time
modification_time	DATETIME	0		record modify time

pet_detail

Name	Type	Length	Primary Key	Description
pet_detail_id	INT	32	Yes	primary key
pet_id	INT	32		primary key in pet table
species	VARCHAR	20		Cat, Dog, Other
name	VARCHAR	32		pet name
age	VARCHAR	50		pet age
breed	VARCHAR	50		pet breed
color	VARCHAR	50		pet color
gender	VARCHAR	20		Male, Female, Neutered
active	BOOLEAN	0		record status

pet_medical

Name	Type	Length	Primary Key	Description
id	INT	0	Yes	primary key
pet_id	INT	0		primary key in pet table
medical	text	0		medical information
medical_assign_date	DATETIME	0		medical assign time
creation_time	DATETIME	0		record create time

pet_vaccination

Name	Type	Length	Primary Key	Description
id	INT	32	Yes	primary key
pet_id	INT	32		primary key in pet table
creation_time	DATETIME	0		record create time
modification_time	DATETIME	0		record modify time
vaccination_name	VARCHAR	500		vaccination name
immunization_date	DATETIME	0		immunization date
veterinarian_name	VARCHAR	100		veterinarian name
veterinarian_contact	VARCHAR	100		veterinarian contact

pet_location

Name	Type	Length	Primary Key	Description
id	int	0	Yes	primary key
pet_id	varchar	0		primary key in pet table
latitude	double	0		latitude for the record
longitude	double	0		longitude for the record
address	VARCHAR	100		location address
last_seen	DATETIME	0		last seen time