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| Assignment Proposal |
| Python Cloud Application |

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# Topic: Dogs Society

# Brief Description of Main Functionality

I will create a Google Cloud application that manages a Dogs Society Club. The application will keep track of members information and their pups. Member can have one or many dogs.

The user will be allowed to iterate over the list of Members and associated with them dogs, as well as search for specific Owner or Dog. My plan is to try and include the image of the dog as well, although I have never worked with images in database before. If it turns out to be too advanced, I might drop that extra table data.

The user will be able to add a new Member/Dog, update and delete existing Member/Dog from database. User will be able not only add money that was spent on the dog but also step up competitions that their dog has won.

## Database

dogSociety

## Tables

* Owners, Dogs

## Tables Data

#### Owner:

* + ownerID INT AUTO\_INCREMENTAL NOT NULL,
  + firstName VAR (255) NOT NULL,
  + lastName VAR (255) NOT NULL,
  + address VAR (255) DEFAULT NULL,
  + phoneNo INT NOT NULL,
  + email VAR (255) DEFAULT NULL,
  + activeMember ENUM (“yes”, “no”),
  + moneySpent INT,
  + PRIMARY KEY (ownerID)

#### Dog:

* + dogID INT AUTO\_INCREMENTAL NOT NULL PRIMARY KEY,
  + image (TBD),
  + name VAR (255) NOT NULL,
  + age INT,
  + gender ENUM (“female”, “male”)
  + breed VAR (255) NOT NULL,
  + colour VAR (255) DEFAULT NULL,
  + activityLevel ENUM (“very low”, “low”, “medium”, “high”, “very high”) DEFAULT NULL,
  + maintanenceLevel ENUM (“low”, “medium”, “high”) DEFAULT NULL,
  + competitions INT,
  + PRIMARY KEY (dogID),
  + FOREIGN KEY (ownerID) REFERENCES Owner(ownerID)