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| Assignment Proposal |
| Python Cloud Application |

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# Topic: Dogs Competitions

# Brief Description of Main Functionality

I will create a Google Cloud application that helps manage information about dogs participating in dog competitions. The application will allow users to record and update details about the dogs, including their names, ages, genders, breeds, colors, activity levels, maintenance levels, competition records, and owners. Users can also mark whether a dog has been disqualified from the competitions.

## Key Features

1. Dog Information: Users can add, update, and delete data about individual dogs, including their names, ages, genders, breeds, colours, activity levels, maintenance levels, competition records, owners, and disqualification status.
2. Search Function: Implement a search function that enables users to find specific dogs or view a list of all dogs in the database.

## Database

competition

## Tables

* Dogs

## Tables Data

#### Dog:

* + dogID INT AUTO\_INCREMENTAL NOT NULL PRIMARY KEY,
  + 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,
  + owner VAR(255),
  + disqualified TINYINT,
  + PRIMARY KEY (dogID)