

# SAP SVNT - Team 1

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# Overview

Design & develop a tool that helps our targeting user being more popular on Youtube.



# User Story

a Youtuber who is interested in producing video in animal/pet category and would like to would like to be popular on Youtube.



# Strategy

In order to choose a popular topic for next video, users need to understand the trending during the most recent period.

In order to reach out more audiences, an appropriate keyword choosing strategy would be required by users.

# Solutions

- Top frequent words being used in title under animal/pet category
- Top frequent words being used in tags under animal/pet category

# Demo

Retrieve top 10 keywords being used by other Youtuber within animal/pet category

Tech stack: Java

Future tech stack: Python, Pandas, SQL, Restful, Spring Boot

```
// get top 10 frequent tag from csv from pet category
public static void getFreq() throws FileNotFoundException {
    Scanner scanner = new Scanner(new File( pathname: "/Path/"));
    scanner.nextLine();

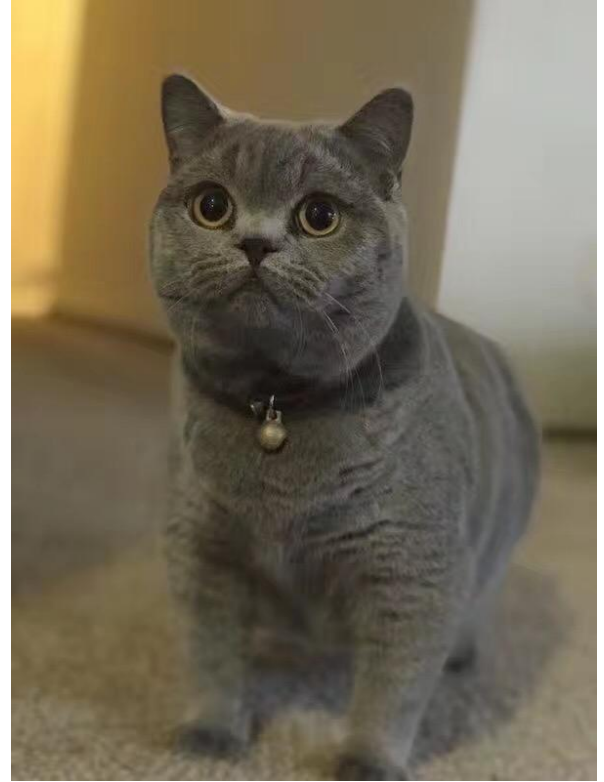
    while (scanner.hasNext()) {
        String line = scanner.nextLine();
        // assume it can split the value properly by each column
        String[] values = line.split( regex: "," );

        int cata = Integer.parseInt(values[CATAID]);
        String tagLine = values[TAGPOS];
        if (cata == PET) {
            String[] tags = tagLine.split( regex: "|" );
            for (String tag : tags) {
                freqTag.put(tag, freqTag.getOrDefault(tag, defaultValue: 0) + 1);
            }
        }
    }
    scanner.close();
    // print out top 10 freq tag
    freqTag.entrySet().stream()
        .sorted(Map.Entry.<?>comparingByValue().reversed())
        .limit(10)
        .forEach(System.out::println);
}
```

# Future Plan

- Base on the popular keywords being collected, build feature to auto-generate title for users
- Migrate the data from csv to SQL for further usage
- Create attractive and user-friendly front end application

Thank you!



That's my cat!