

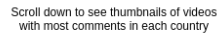
## Hackerman - Lab 6 Artifact

### Features to Implement in Next Sprint :

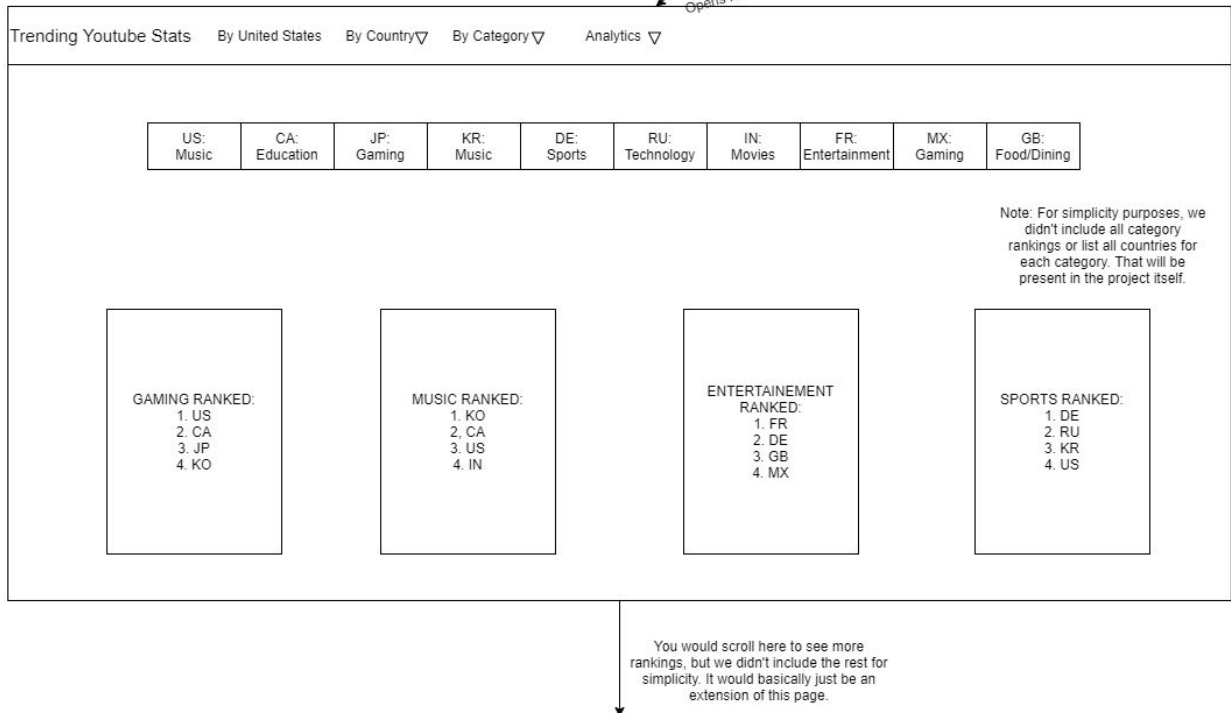
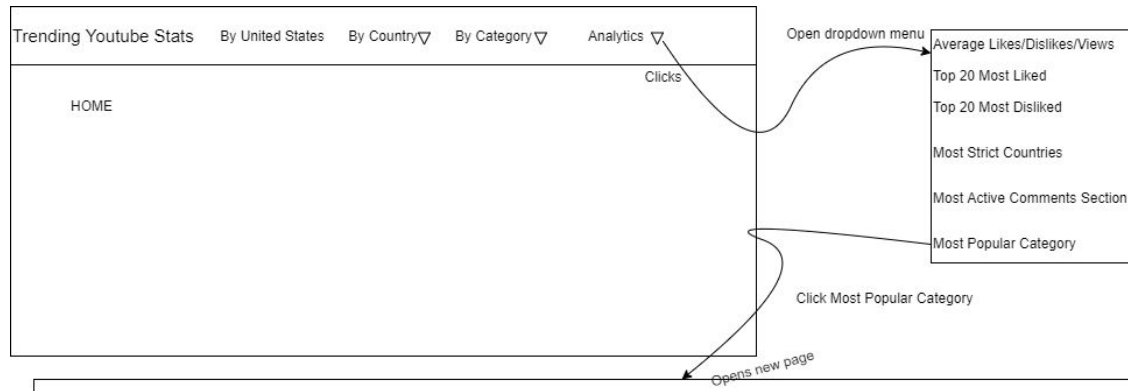
1. Feature 1: Incremental analytics
  - a. As a user, I want to insert/update/delete a record and have it show up faster when opening the average likes/dislikes/views per category page.
2. Feature 2: Most active comment sections
  - a. As a user, I want to see the Top 25 videos with the most active comments sections.

### **Analytics GUI Mockup**

Most active comment sections/trending videos:



Most popular category by country:



## Test Cases

1. Feature 1 test cases
  - a. Test case 1: I insert a record into the dataset and open up the Average Likes/Dislikes/Views per Category page
    - i. Correct Output: The average analytic page loads up faster than the initial load.
  - b. Test case 2: I delete a record into the dataset and open up the Average Likes/Dislikes/Views per Category page
    - i. Correct Output: The average analytic page loads up faster than the initial load.
2. Feature 2 test cases
  - a. Test case 1: I open the analytics dropdown menu and click on the Most Active Comment Section.
    - i. Correct Output: The Most Active Comment Section page appears and produces a graph on which country has the most comments.
    - ii. Correct Output: The top 25 videos and their thumbnails appear on the bottom of the page.

## TODO List

### Done list of last sprint (For sprint 5)

- Implemented analytics for comments and ratings  
[Finished by Alex and Christian]
- Implemented analytics for most popular categories for each country  
[Finished by Alex and Christian]
- Implemented Multiple countries searched and created test cases  
[Finished by Chris Daniels]
- Implemented GUI for Homepage, US page and Countries page  
[Finished by Sameh Fazli and Christian]
- Implemented drop-down menu for analytics  
[Finished by Sameh Fazli]

### **TODO task list for next sprint:**

- Implement a page that displays the most popular categories of each country, and that also displays where each country is ranked in each category
- Implement thumbnail links into analytics pages
- Implement trending video statistics
  - Get top 5 trending videos for each country
  - Get longest time in between published date and trending date
  - Include section with video thumbnails for visualization
- Save average value for incremental analytics
- Implement incremental analytics
- Implement same background GUI for other analytic pages
- Implement Icons on Navbar and in Analytics dropdown
- Add contributors name on Homepage