

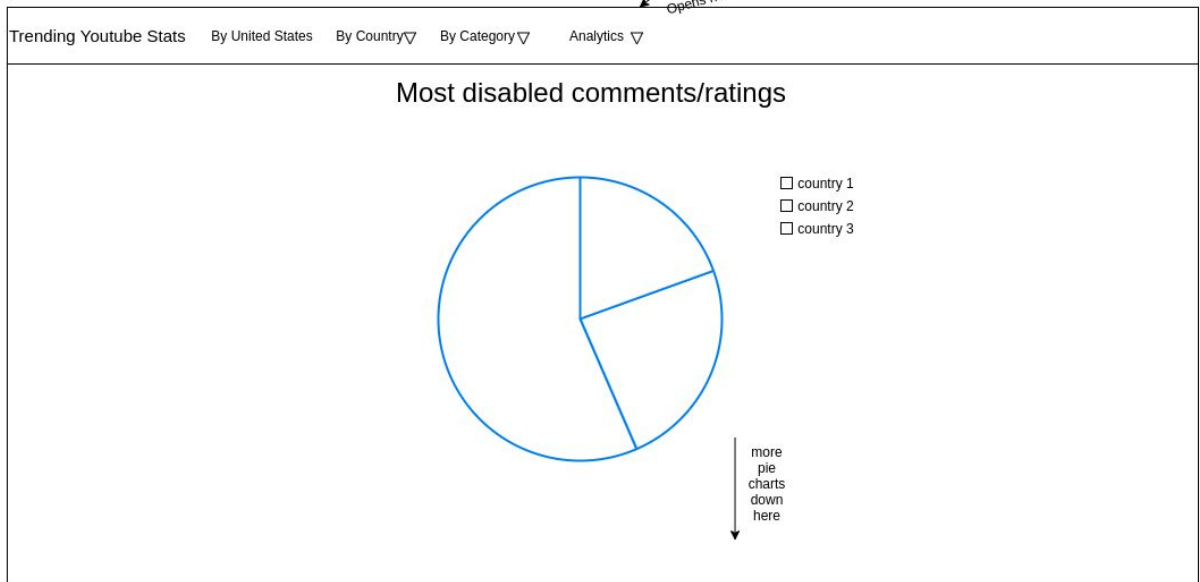
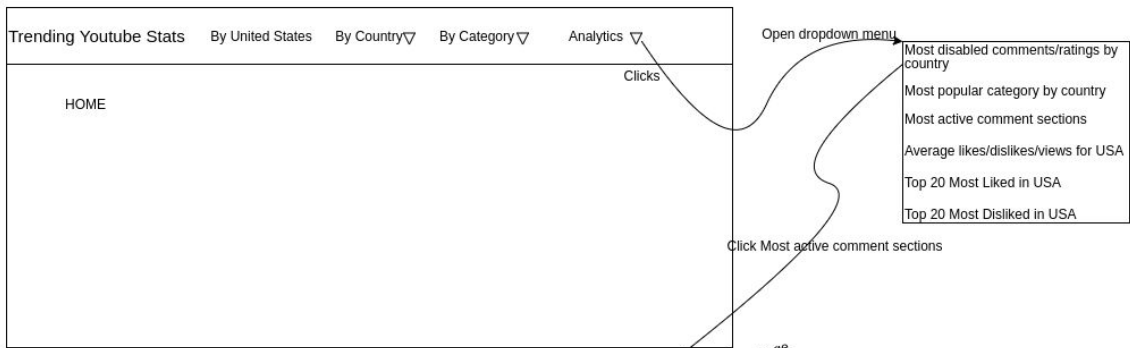
Hackerman - Lab 5 Artifact

Features to Implement in Next Sprint :

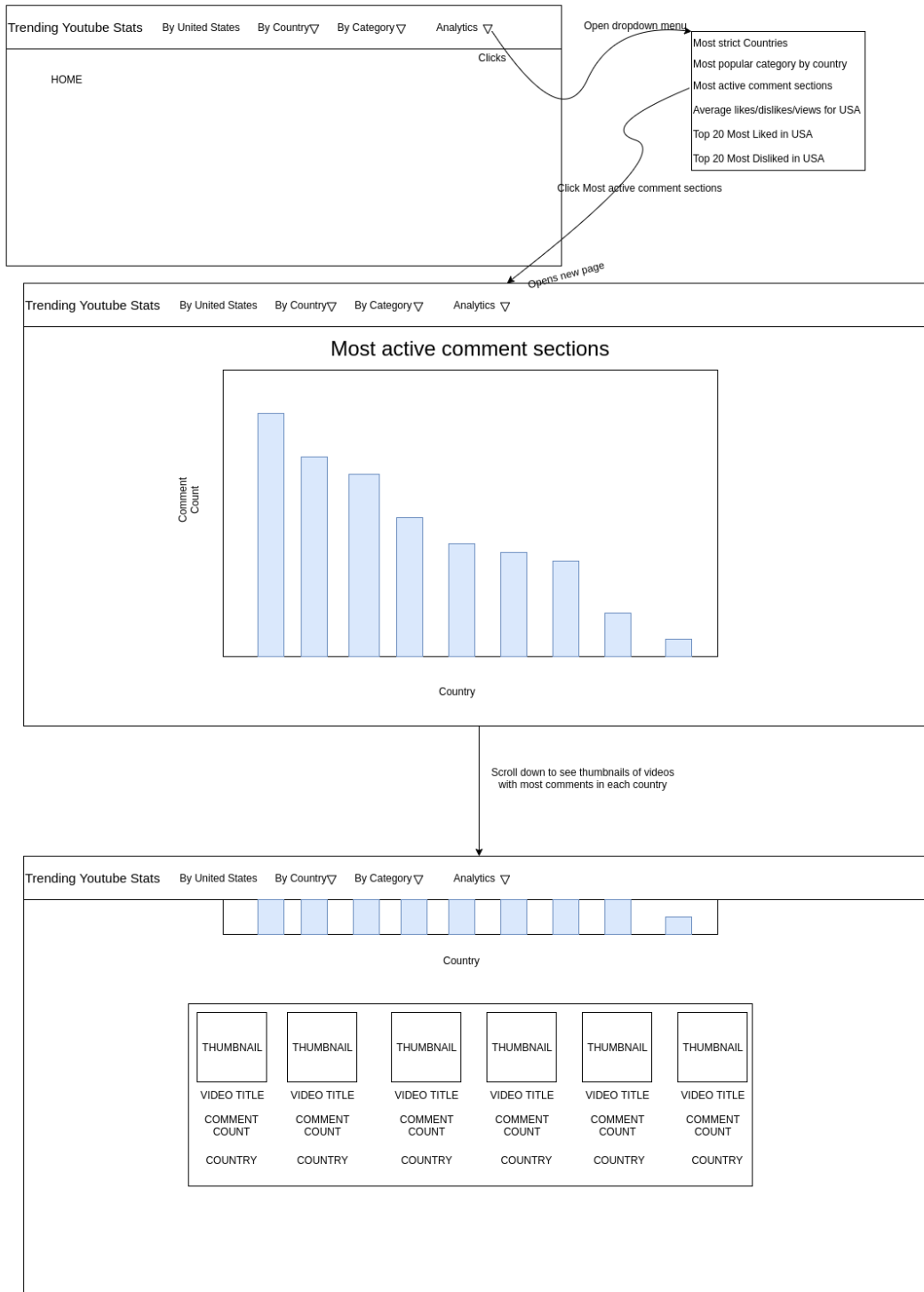
1. Country Checkboxes
 - a. Feature 1: As a user, I want to filter out which videos I see by country.
2. Countries that disable their comments and likes/dislikes bar the most
 - a. Feature 2: As a user, I want to find out which countries ban comments and ratings more.
 - b. Feature 3: As a user, I want to rank the countries from the one that disables the most to the one that disables the least.
3. Most popular category per country
 - a. Feature 4: As a user, I want to find what video category is most popular in each country.
 - b. Feature 5: As a user, I want to see where each country is ranked in each category.
4. Most active comment sections
 - a. Feature 6: As a user, I want to analyze which countries' videos have the most comments overall.

Analytics GUI Mockup

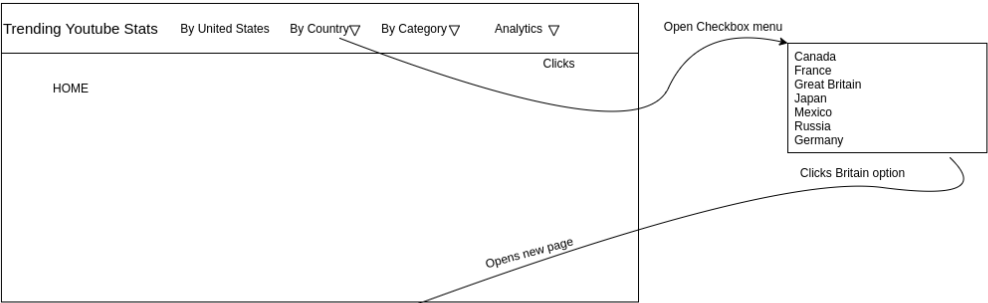
Analytics for most disabled comments/ratings:



Most active comment sections:



Country Checkboxes:



Trending Youtube Stats By United States By Country ▾ By Category ▾ Analytics ▾

Trending videos on YouTube in Great Britain

Country:

Channel name:

Video id:

Publish Date:

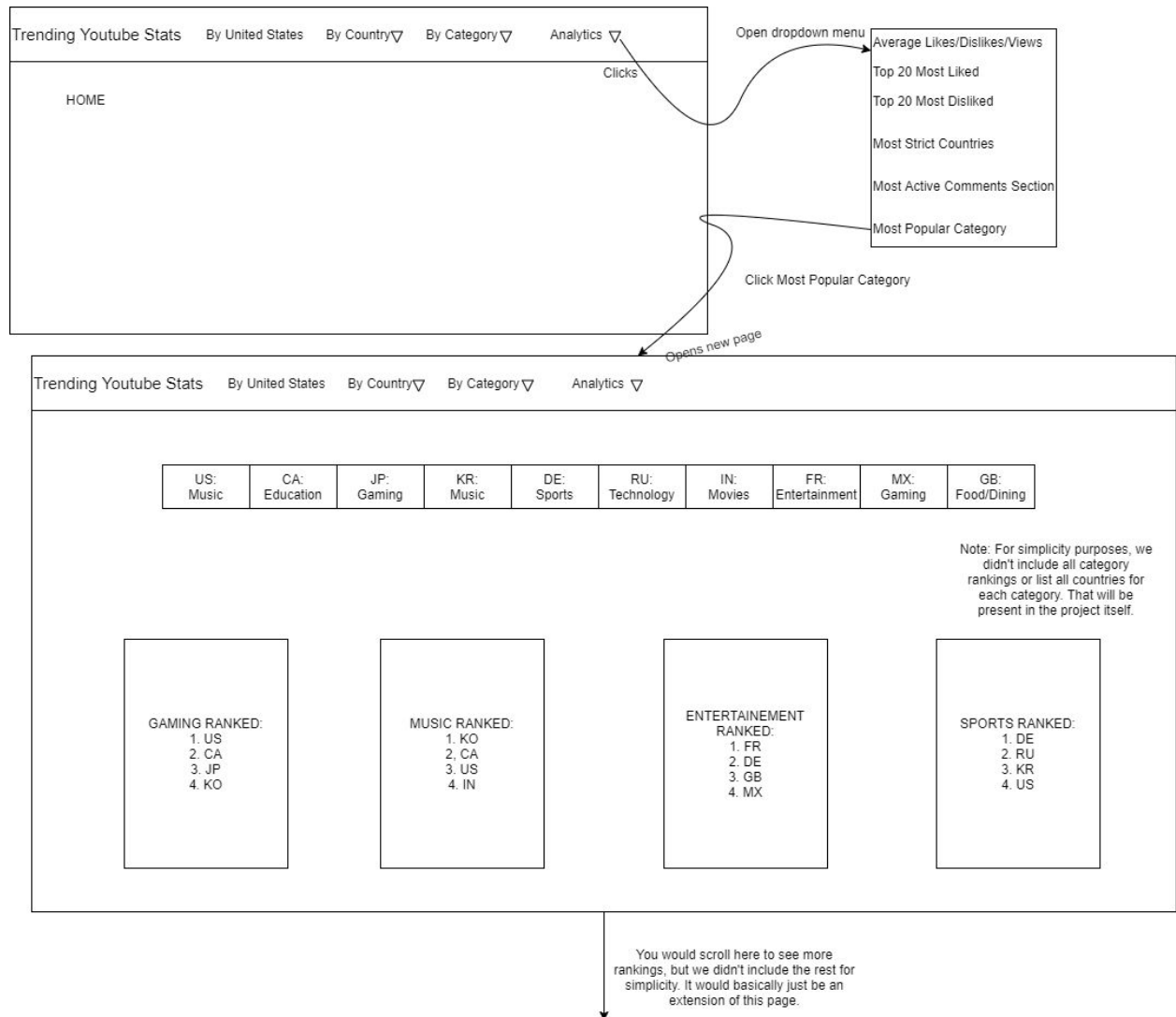
Category ID:

Tags:

Trending Youtube Stats By United States By Country ▾ By Category ▾ Analytics ▾

Video ID	Channel Title	Publish Time	Category ID	Trending Date	View Count	Likes	Dislikes
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Most popular category by country:



Test Cases

1. Feature 1 test cases

- Test case 1: I click on the countries option, select "South Korea", type in "BANGTANTV" in the Channel Name bar, and click "Submit."
 - Correct Output: The page should display all the videos by channel "BANGTANTV."
- Test Case 2: I click on the Countries option, select "Japan", type in "SamFieri" in the Channel Name bar, and click "Submit."
 - Correct Output: There should be no results showing up on the page.

2. Feature 2 test cases

- a. Test case 1: I click on the Analytics checkbox option and click on the “Countries ban comments and ratings” tab.
 - i. Correct Output: Displays the countries ban comments and ratings more.
3. Feature 3 test cases
 - a. Test case 1: I click the Analytics checkbox option and click on the “Rank Countries by Disabled” tab.
 - i. Correct Output: Display the rank of the countries from the one that disables the most to the one that disables the least (US is set by default) as a bar graph.
4. Feature 4 test cases
 - a. Test Case 1: I click on the Analytics checkbox option and click “Most Popular Gaming Videos in US and Great Britain”
 - i. Correct Output: Displays the gaming video in the US.
5. Feature 5 test cases
 - a. Test Case 1: I click the Analytics checkbox option, click on the “Compare Most Popular Category Per Country” option.
 - i. Correct Output: Display a table at the top that shows the most popular category in each country. Below that should be a series of ranking tables. Each table represents a category, and they should have a list of countries in them that are ordered by rank (ex. For Gaming, the first place could be the US, the second place could be Japan, and so on until the last country is listed).
6. Feature 6 test cases
 - a. Test Case 1: I click the Analytics checkbox option, click on the “Most comments Overall in each country” option.
 - i. Correct Output: Display a bar chart that shows the overall number of comments for each video countries.
7. Feature 7 test cases
 - a. Test Case 1: I click the Analytics checkbox option, click on the “Top 25 videos with most active comments” option.
 - i. Correct Output: Display a bar chart that shows Top 25 videos with the most active comments sections.

TODO List

Done list of last sprint (For sprint 4)

- Implemented analytics for top 20 most liked videos in the US
[Finished by Alex and Christian]
- Implemented analytics for top 20 most disliked videos in the US

[Finished by Alex and Christian]

- Optimized data queries, so searches and analytics are faster.

[Finished by Chris]

- Implement a link inside of country to go to other countries such as Great Britain and Canada (will change it to dropboxes)

[Finished by Sameh Fazli]

TODO task list for next sprint:

- Implement checkboxes to filter out countries
- Implement checkboxes to filter out video category
- Implement a page to display the average number of likes, dislikes, and views for each video category by country
- Implement an analytic that returns which country bans ratings and comments the most.
- Implement a page that displays charts and tables that list which countries ban ratings and comments the most
- Implement an analytic that finds which country has more active comment sections.
- Implement a page that displays the countries with the most active comment sections
- Implement an analytic that finds which category is most popular per country.
- 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 a submenu/drop-down menu for the analytics