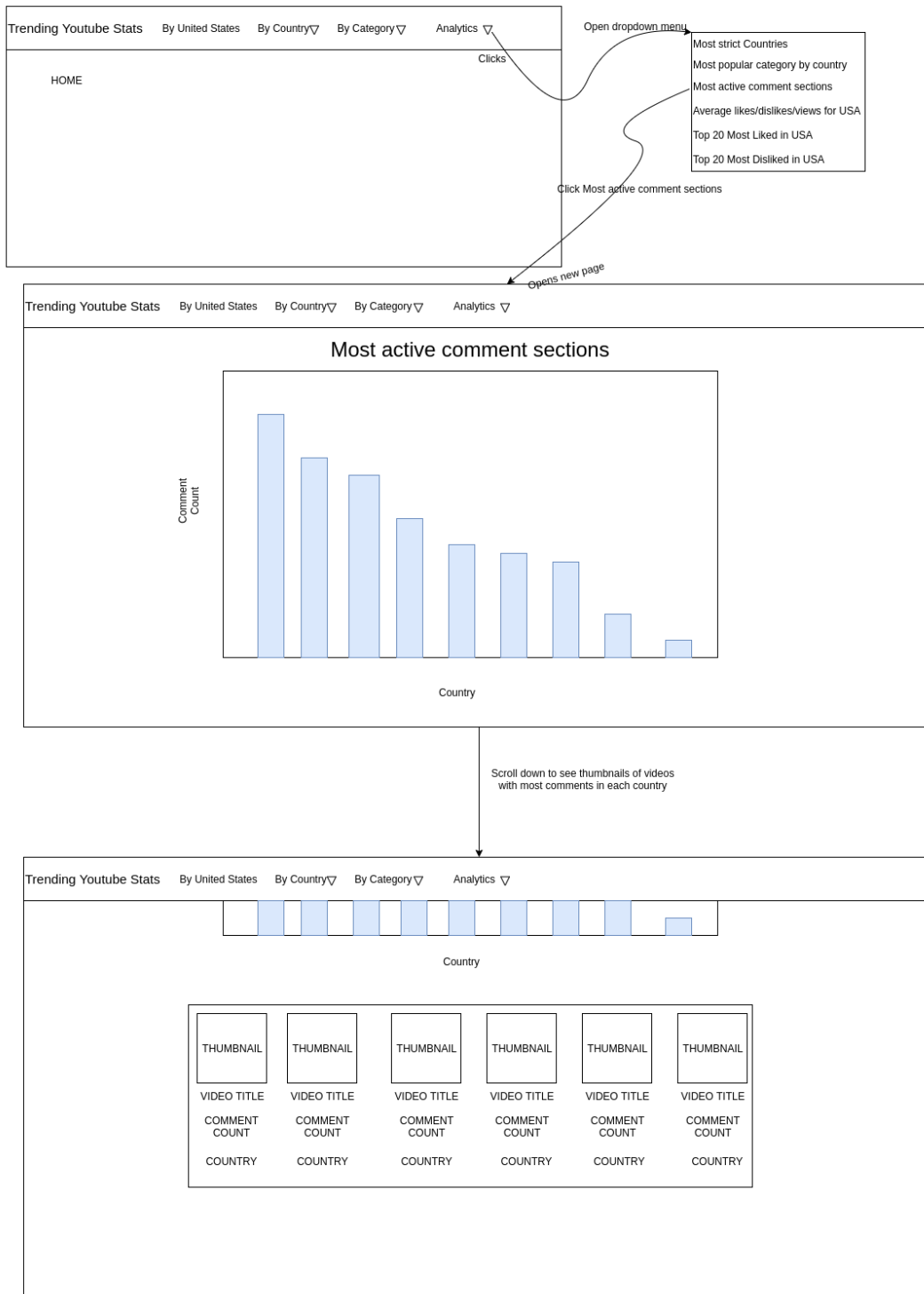


Hackerman - Lab 6 Artifact

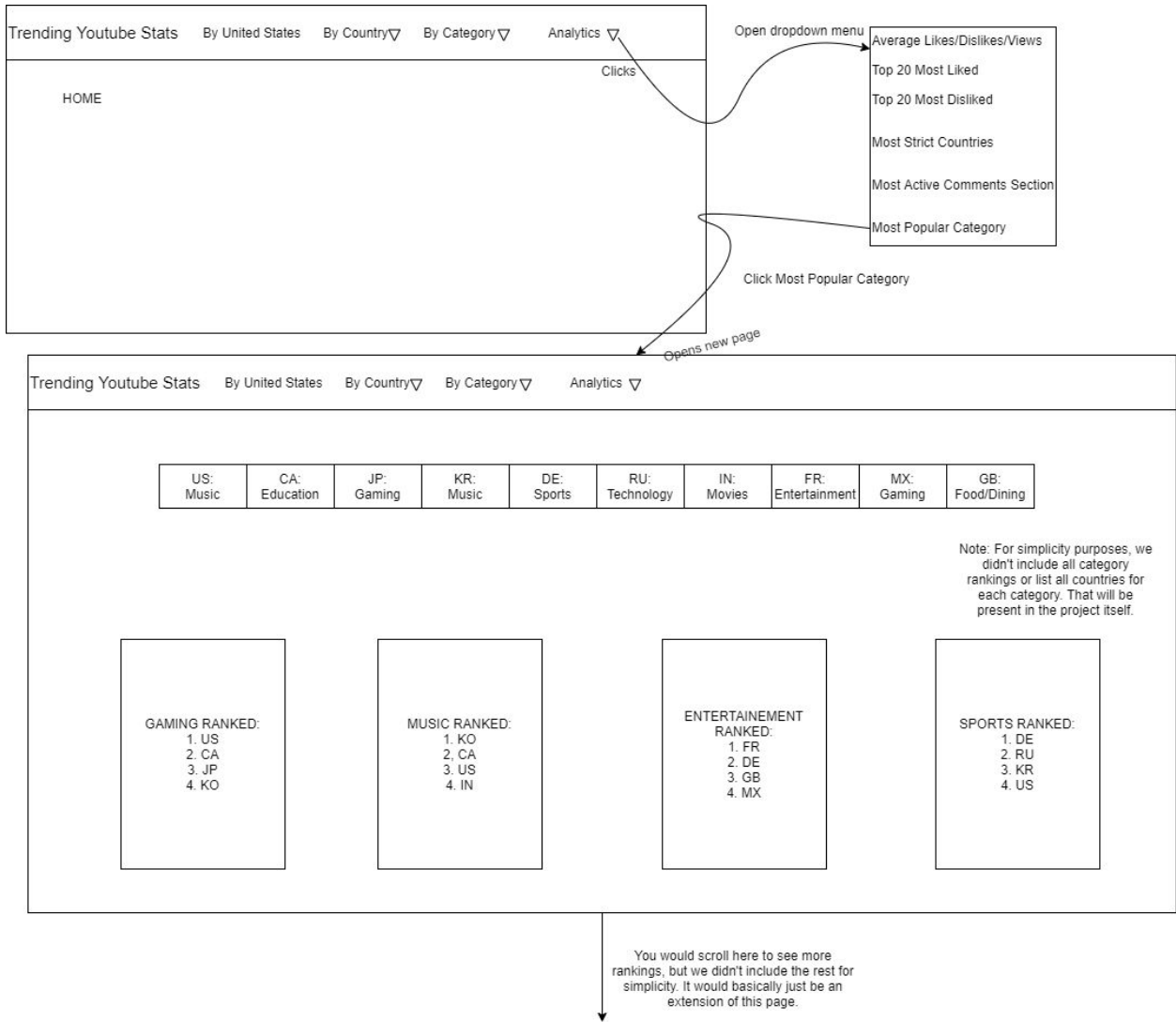
Features to Implement in Next Sprint :

1. Feature 1: Trending video statistics
 - a. As a user, I want to see how long it takes for videos to go from published to trending.
 - b. As a user, I want to find which videos trend the longest.
 - c. As a user, I want to see the top 5 trending videos for each country
2. Feature 2: Incremental analytics
 - a. As a user, I want to insert/update/delete a record and have it show on the average likes/dislikes/views per category page.
3. Feature 3: Most active comment sections
 - a. As a user, I want to see the Top 25 videos with the most active comments sections.

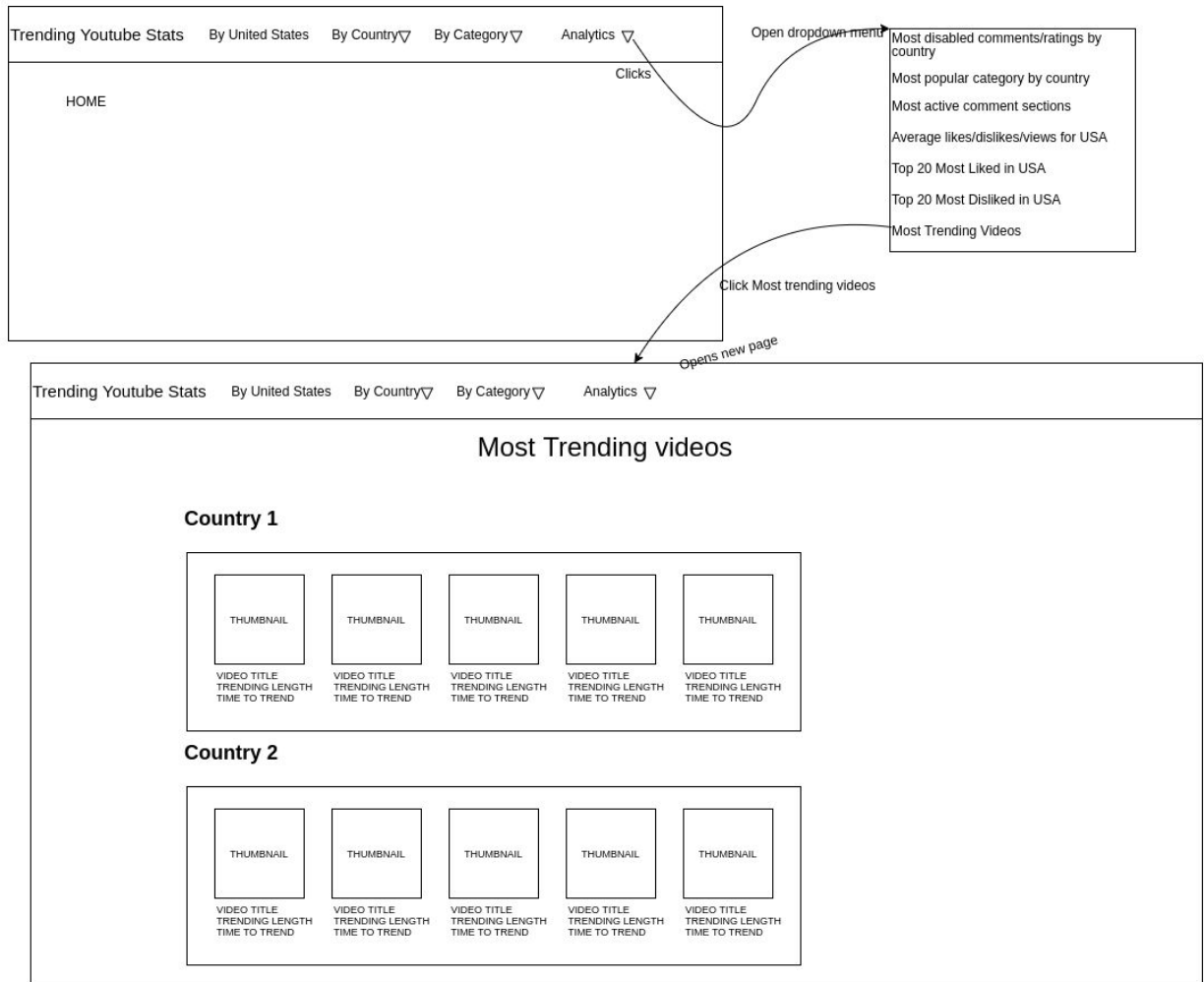
Most active comment sections/trending videos:



Most popular category by country:



Most trending by country:



Test Cases

1. Feature 1 test cases

- Test case 1: I open the analytics dropdown menu and click on Top Trending Videos.
 - Correct Output: The Top Trending Videos page opens up and displays plotly charts.

- b. Test case 2: I hover over top 5 trending videos on Top Trending Videos.
 - i. Correct Output: The plotly interactive chart menus appear for additional options to alter the chart.
 - c. Test case 3: I scroll down the Top Trending Videos page.
 - i. Correct Output: The thumbnails for the top 5 trending videos for each country appear.
 2. Feature 2 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 graphs update according to the inserted record
 - b. Test case 2: I update a record into the dataset and open up the Average Likes/Dislikes/Views per Category page
 - i. Correct Output: The graphs update according to the updated record
 - c. Test case 3: I delete a record into the dataset and open up the Average Likes/Dislikes/Views per Category page
 - i. Correct Output: The graphs update according to the deleted record
 3. Feature 3 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