

Hackerman - Lab 3 Artifact

Features

1. How does the number of likes compare between nations?
2. How does the view count compare between nations?
3. What kind of channels are popular in different countries based on subscriber count?
4. What categories trend in each country?
5. For the trending videos which have the most likes and dislikes?
6. Which country has the more active comments sections?
7. How long did a video go from published to trending?
8. Which country disables comments more?

Images of Mockup

Prototype Home Page:

The mockup shows a web interface for 'YoutubeTrending Videos'. At the top, there is a browser address bar displaying 'http://localhost:3000'. Below this is a dark navigation bar with the title 'YoutubeTrending Videos' on the left and three filter buttons: 'By Category', 'By Country' (which is highlighted), and 'By Video ID'. The main content area features a filter section on the left with a label 'Select Country or Countries to filter data'. To the right of this label is a table of countries, each with a checkbox and a name. The countries listed are USA, Great Britain, Germany, Canada, France, Russia, Mexico, South Korea, Japan, and India. The table is structured as follows:

<input type="checkbox"/>	USA	<input type="checkbox"/>	Russia
<input type="checkbox"/>	Great Britain	<input type="checkbox"/>	Mexico
<input type="checkbox"/>	Germany	<input type="checkbox"/>	South Korea
<input type="checkbox"/>	Canada	<input type="checkbox"/>	Japan
<input type="checkbox"/>	France	<input type="checkbox"/>	India

Test Cases

- **Feature 1:** How does the number of likes compare between nations?
 - As a user, I would like to see which country is more likely to like a video
- **Feature 2:** How does the view count compare between nations?
 - As a user, I would like to see which views counts are much higher between nations.
- **Feature 3:** What kind of channels are popular in different countries based on subscriber count?
 - As a user, I would like to see which channels are the most popular based on subscribers.
- **Feature 4:** What categories trend in each country?
 - As a user, I would like to see what categories of videos are trending.
- **Features 5:** For the trending videos which have the most likes and dislikes?
 - As a user, I would like to see what different types of videos are trending that have the most likes and dislikes.
- **Features 6:** Which country has the more active comments sections?
 - As a user, I would like to know which countries have more active community activity in regards to videos.
- **Feature 7:** How long did a video go from published to trending?
 - As a user, I would like to look at how long it takes for a video to go trending.
- **Feature 8:** Which country disables comments more?
 - As a user, I would like to see which country has a higher likelihood of disabling comments.

TODO(things done from last sprint)

- Setting up the project with Django.
 - Sameh Fazli, Alexander Ku, Chris Daniels,Christian Campo
- Create a Homepage.
 - Sameh Fazli, Alexander Ku, Chris Daniels,Christian Campos
- Create a NavigationBar
 - Sameh Fazli, Alexander Ku, Chris Daniels,Christian Campos
- Create US button, By Country and By Category
 - Sameh Fazli, Alexander Ku, Chris Daniels,Christian Campos

TODO(For sprint 4):

- To do before Sprint 4
 - Parse CSV files without using any libraries
 - Create US page
 - Create form to take video_id as input (example: 2kyS6SvSYSE)

- Create form to take category_id as input (example: 22)
 - Create form to take tags as input (example: “gmm”, “trump”, “last week”, etc)
 - Create a insert,delete and update option
- If time allows (for sprint 4):
 - Create filter check box for comments_disabled
 - Return data according to form inputs
- For later sprints:
 - Filter dataset and send for download
 - Change title name to “Trending Youtube Video Statistics”
 - Data backup/import
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