

Riot Games themed Web Project

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Introduction

The project was developed during the spring semester of 2022 as part of an assignment for one of my web development courses, marking my initial foray into this field. The objective was to create a webpage that adheres to a set of requirements derived from web directives. The original Excel document can be accessed in the Git Hub repository; however, a translated version will be provided within this documentation.

The project centers around Riot Games, a renowned company engaged in various activities within the gaming industry. The purpose is to provide an overview of the company, its endeavors, and related information. Additionally, the webpage includes a captivating mini-game where users can embark on a quest to discover a hidden character. The primary target audience comprises individuals who are new to League of Legends, the popular game developed by Riot Games.

Getting Started

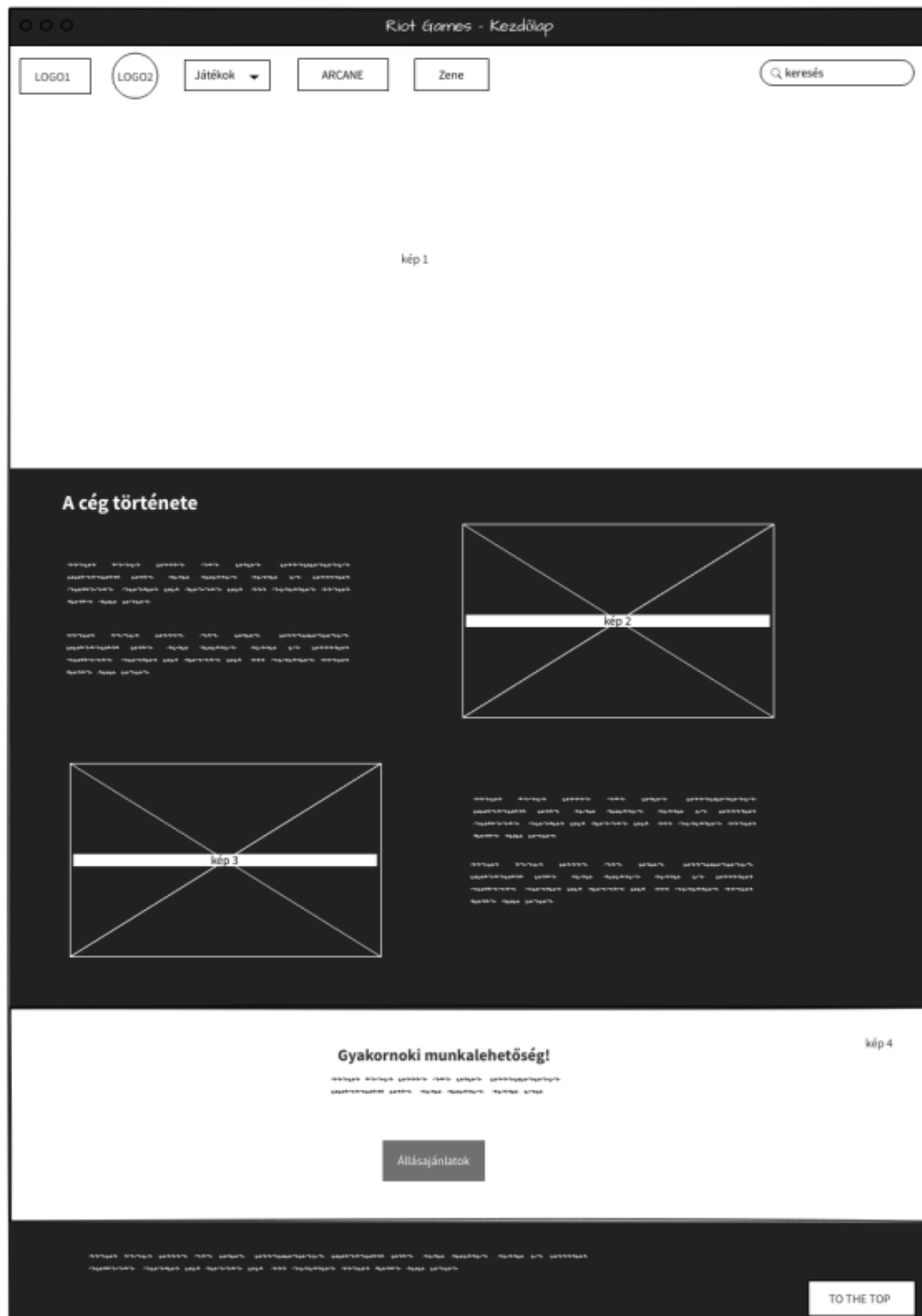
The complete project has been uploaded to Git Hub, and the webpage can be accessed using the following link: <https://tiniky.github.io/weblapok/index.html>. The project comprises a total of eight HTML files (four for the Hungarian version and four for the English version) and one XHTML page (for the video description only in Hungarian).

Accessibility features have been implemented to ensure that the webpage is inclusive and user-friendly for individuals with disabilities. Additionally, users have the option to increase the font size for improved readability.

Wireframes

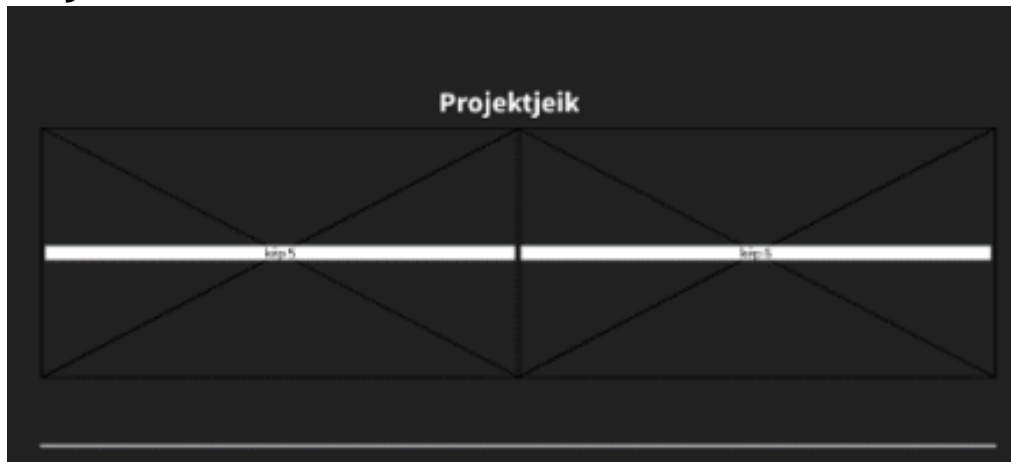
The original wireframes for the web project are available in the repository as a PDF file. Below are visual representations of the wireframes:

1/4 - Main Page

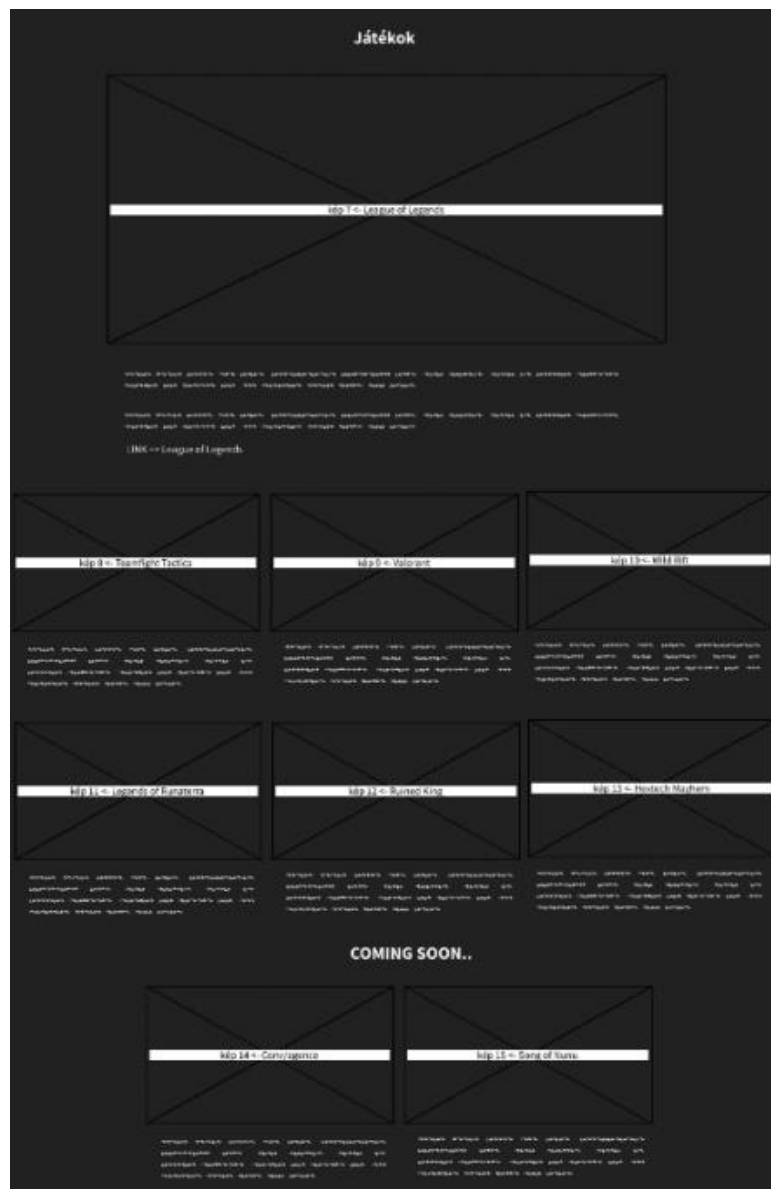


(wireframe of the Main Page)

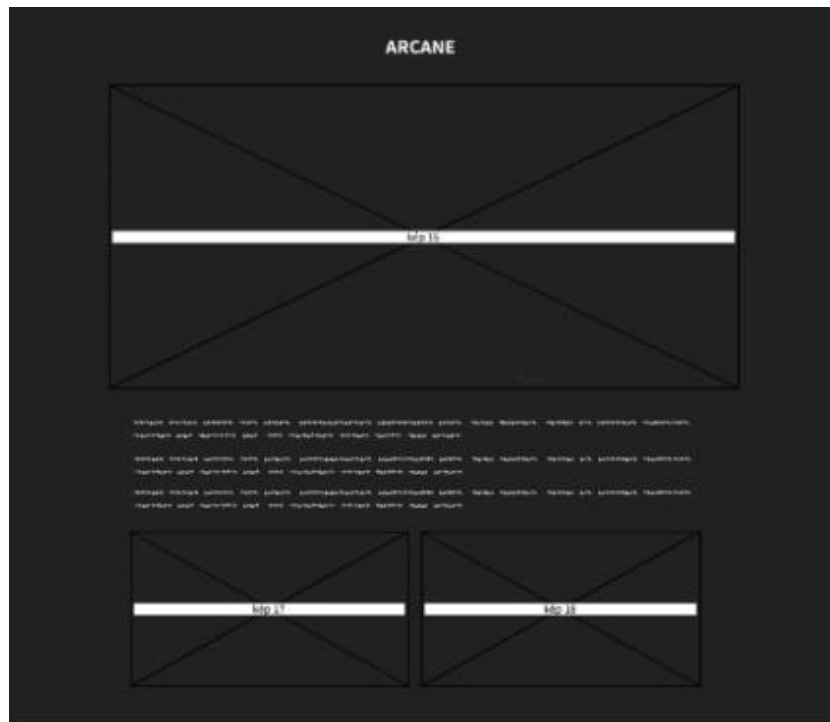
2/4 - Projects



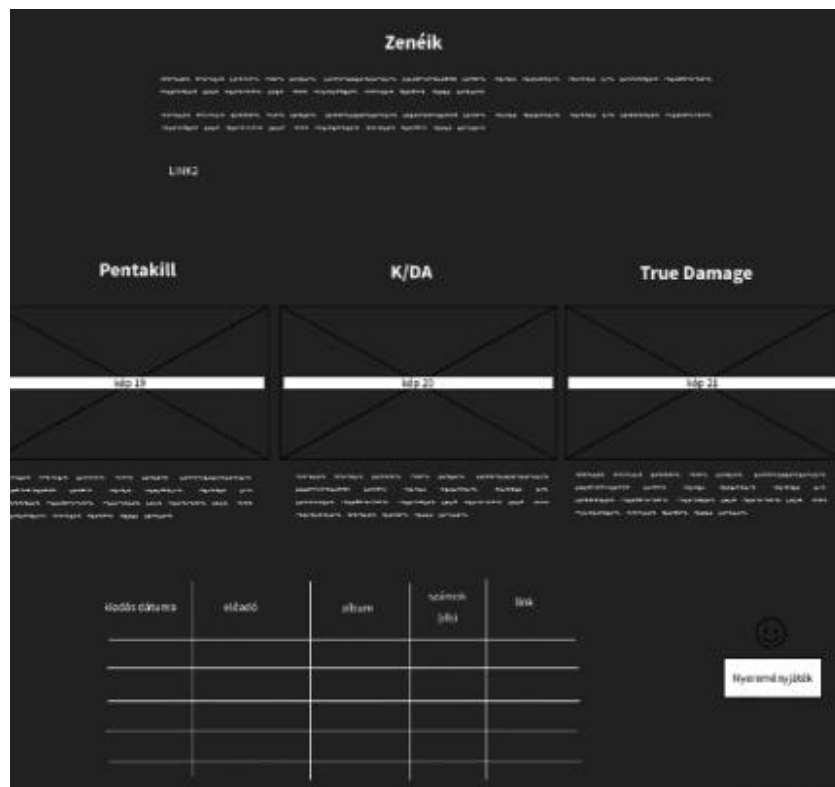
(wireframe part of Projects from the Projects Page)



(wireframe part of Games from the Projects Page)

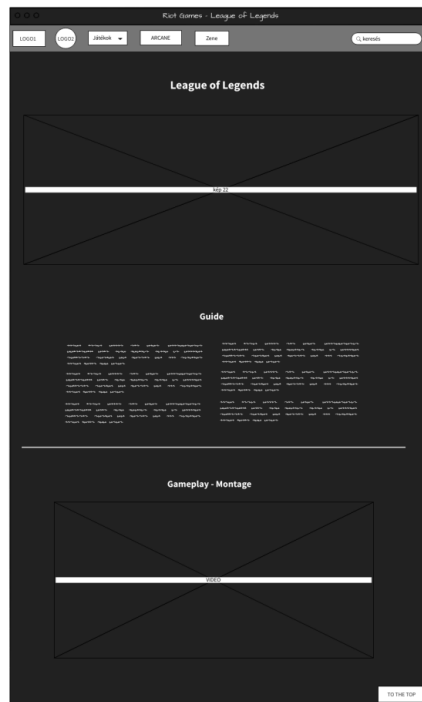


(wireframe part of Arcane from the Projects Page)



(wireframe part of Music from the Projects Page)

3/4 - LoL Guide



(wireframe of the LoL Guide Page)

4/4 - Form





(wireframe of the Form Page)


These wireframes serve as visual blueprints, outlining the structure and layout of the webpages. They provide a clear understanding of the intended design and serve as a reference throughout the development process.


User Guide

1. Header:


 The header features two logos on the left side. The Riot Games logo serves as a link to the original Riot Games landing page, while the Riot Fist Bump logo allows users to quickly navigate back to the top of the Home Page.

 In the middle of the header, containing three anchors that direct users to different sections of the Projects page.


 Additionally, a language switch is provided, allowing users to switch between Hungarian and English.

 The whole header is sticky.


2. Breadcrumbs:

 Each major section includes a clickable breadcrumb trail at the top, displaying the user's navigation path for easier navigation.


3. Footer:


 The footer includes a "TO THE TOP" button, enabling users to easily scroll back to the top of the page.

4. Home Page:

 The Home Page begins with a screen-wide picture resembling Riot's design.


 In the middle section, a brief description about the company's history is provided.


 The internship section on the Home Page includes a link to the original Riot Games Internship Program for users to access additional information.


 Above the footer, a note informs users about a mini-game, challenging them to find a hidden character on the pages.

5. Projects Page:

 The Projects page consists of multiple sections.

 The Games section showcases games developed by Riot, offering a short description and a link to each game's original webpage. From the League of Legends description, users can access the Guide page.

 The Arcane section features images and a brief recap of the animation series.

 In the Music section, a table is presented, including Spotify links to the mentioned albums.

6. Guide Page:

📌 The Guide page starts with an image displaying the game's map. Below that, a concise guide for the game is provided.

📌 On the right side of the Guide page, users can find the character from the mini-game. Clicking on the character directs them to the Form page.

📌 At the bottom of the Guide page, a short montage video is displayed. Additionally, a YouTube link to the full version of the video is provided.

📌 In the Hungarian version, an additional link leads to the XHTML page with the video description.

7. Form Page:

📌 The Form page presents a simple form where users can provide information about their player habits.

📌 The Ekko R button is available to reset the form to its default settings.

Assignment Recuirments

The translation of recuirments to English is as follows:

1. The website consists of at least four static HTML pages, and the homepage is saved as index.html. Each HTML page in the package is linked to the other pages, and there are no unnecessary HTML files.
2. There is at least one page that contains a background image (it doesn't have to be the background of the page, it can be any component).
3. At least 5 images are inserted into the pages (in total), and at least two images function as thumbnails, linking to larger versions of the image.
4. There is a page that contains a data table with a minimum size of 2x3. The table has header cells (<th>) and its caption (<caption>) is implemented as expandable content using the <details> tag embedded with the <summary> tag. If the table is on an XHTML page, the caption should be plain text, and the table should have the summary attribute filled. The page structure should not be implemented using tables.
5. There is a page that contains a form with at least one text field (text), a text area (textarea), at least 2 radio buttons, at least 1 checkbox, and submit and reset buttons.
6. There is a page that includes JavaScript code to enhance the user experience (e.g., switching alternative stylesheets, changing font size, image gallery, ...). The Bootstrap framework components are also acceptable at this point (e.g., Carousel).
7. All pages are filled with content and, in addition to structural links, they contain at least 3 external references (in total). Pages filled with Lorem Ipsum or similar placeholder texts are not acceptable. The structural links are defined relatively to the current page.
8. Each HTML5 page demonstrates the use of the following tags: <header><nav><section><article><aside><footer><figure><video>. The tags do not have to appear on every page, but when semantically justified, the appropriate tag MUST be used.
9. The homepage contains relevant content that properly reflects the theme of the website.
10. The completed website is responsive. Additionally, at least one page has at least three different layouts depending on the screen size (smartphone, tablet, larger display). The layout designed for the smallest screen size consists of a single column, and the layout designed for the largest screen size consists of at least two columns. Content elements (including images and videos) are relatively sized on every page.
11. Content and presentation are appropriately separated using external style sheet(s). Inline styling should be avoided unless there is a specific reason for its use.
12. The page titles (<title>) are unique on every page and start or end with keywords (e.g., About Me - John Doe's Website; John Doe's Website - About Me).
13. Semantic coding is characteristic of the pages (lists are implemented as lists using , headings are headings using <h1>..., not just bold or capitalized texts, etc.).
14. The text is legible at the specified base size.
15. When specifying font families, specific fonts and generic font families are used, and sans-serif font is set for smaller-sized text.
16. Font sizes are specified in a way that allows easy resizing of the text (% or em or rem units).
17. The menu is placed at the top or left side and is appropriately separated from the content (e.g., colored background).

18. There is a visual distinction between visited and unvisited links. The contrast ratio for visited links is lower than for unvisited links. This is not a requirement for menus.
19. Text that does not function as a link is not underlined.
20. The links are underlined, except for the navigation menu and link lists.
21. The pages are printer-friendly, and all important information is visible when printed. Separate style sheets need to be created for the screen and the printer. In the print view, repeating elements on every page, such as the menu should be hidden. Videos also should be hidden, images should be smaller.
22. The form elements have appropriately assigned labels (label for="") that clearly indicate what information should be entered in the form field.
23. The text fields in the form have the expected length for the data. The size of text fields and the maximum length of input text should be set.
24. The labels of the form are close to the form fields to maintain association.
25. The content of the form can be submitted (via email using the POST method or other processing methods).
26. The radio buttons in the form cover all possible options.
27. The function of the submit button in the form is clearly indicated by its label.
28. There are no spelling errors or typos.
29. Keywords are emphasized (bold, italic) based on the principle of tactility, where meaningful ordered lists are used.
30. Meaningfully formulated headings (<h1>...<h6>) structure the text on each page. On HTML5 pages, the heading levels can also be set with nested structural elements using the <h1> heading. If the use of subheadings is not justified, it is sufficient to place one <h1> tag.
31. On each page, headings are logically nested, for example, there cannot be a heading that plays the role of a heading level 2 without a heading level 1, and a heading level 1 cannot have a heading level 3 as a subheading, and so on. The points can only be awarded if there is at least one heading that plays the role of a heading level 2 on any page (which, in HTML5, can be a heading level 1 included in a nested structural element).
32. There are no patterned backgrounds that make it difficult to read the text on them.
33. Text blocks and lists are aligned to the left (possibly justified).
34. Videos embedded with the <video> tag have a characteristic frame extracted as a thumbnail and set as a poster image to help users decide whether to watch the video.
35. Thumbnail images are physically reduced with significant crops, rather than inserting the original large image in a smaller size. Physical reduction is mandatory, and significant crops are only necessary in justified cases (e.g., a thumbnail image of a person playing a musical instrument may only show the instrument if it is essential).
36. There are no animations running in an infinite loop on the page.
37. The same structural links appear on every page in the same order.
38. It is possible to return to the homepage from any page using a link (e.g., a homepage option in the menu or an icon).
39. If someone arrives at a page from an external site, it is clearly indicated which page they are on (e.g., distinguishing the current page in the menu, breadcrumb navigation, etc.). It is not sufficient to repeat the menu item name as a heading.
40. The main navigation is not implemented using tabs (tabs are only suitable for switching between views of a single object).

41. The home page and subsequent pages do not significantly differ in appearance, and it is recognizable that navigating to another page does not leave the website.
42. For non-decorative images, the ALT attribute is accurately filled out (for each image) (WCAG 2.0 criterion 1.1.1).
43. The text of the links is self-explanatory (the text 'click here' is not appropriate) and concise.
44. The texts are easily readable, and an appropriate contrast ratio is provided. (WCAG 2.0, criterion 1.4.3)
45. Alternative uppercase, high contrast style is available for visually impaired users on every page.
46. Color is not the only visual means of conveying information, indicating activity, encouraging responses, or distinguishing visual components. (WCAG 2.0 guideline 1.4.1) During formatting, highlighting that only differs from the non-highlighted version in color should not be used. Navigation menus may be an exception."
47. Avoiding blocks: On every page, there is an accessible mechanism to skip content blocks that are repeated on multiple pages (e.g., using a link positioned off-screen). (WCAG 2.0 guideline 2.4.1) The link used for jumping to content must be made accessible to screen reader users and does not need to appear in visual browsers.
48. A full-text description is provided for videos. The description should include all essential events visible or audible in the video; it is not sufficient to summarize the content in a few words. It is advisable to place it in a separate HTML file and link it after the video.
49. The language of the page is set on each page. If there is text on the page in a language different from the default, it is marked with the appropriate language code.
50. The character encoding is correctly set (e.g., utf-8), and accented characters are displayed correctly.
51. There are no missing elements, broken links, non-functioning features, or error messages.
52. The website functions correctly with the most commonly used browsers (Chrome, Firefox, Edge), apart from HTML5 and CSS3 features that may not be implemented in a specific browser.
53. Each page is developed according to the XHTML Strict or HTML5 standard and is valid according to the <http://validator.w3.org/> website.
54. At least one page is valid according to the XHTML Strict document type. It is allowed for the XHTML page not to be the page linked in the main menu but, for example, a long description of an image or video.
55. At least one page is valid according to the HTML5 standard.
56. There are custom CSS files that contain at least 15 rules. The CSS files are valid according to the jigsaw.w3.org/css-validator website. If the Bootstrap framework was used, the custom styles are properly separated from the Bootstrap styles.

The documentation indicates that all requirements have been met, except for two specific ones. The 21st requirement is not fully satisfied as the page is not entirely printer-friendly. Additionally, the 49th requirement is not fulfilled as the video description lacks language tags.