

Sprint retrospective, Milestone #4

User story	Task	Assignee/s	Estimated effort	Actual effort	Done	Notes
As a user, I want to be able to input two news article URLs in the given boxes and run the program to see highlighted parts of the news that have high plagiarism similarity.	#4	Rares Toade & Vlad Nitu	16h	8h15m(Rares) 8h5m(Vlad)	Completed	<p><i>Rares</i>: This was quite a difficult feature to get right and a lot of time was spent researching for existing solutions and options. The biggest challenge was that highlighting could not be put directly on the text in the text area element, so something else was needed. We ended up using 'RichTextArea' from github, and 'Highlighter' also from github.</p> <p><i>Vlad</i>: Researched LCS (Longest Common Substring) algorithm implemented previously by Rares; on consensus, after obtaining results that were not satisfiable, we went for a different approach implemented by Rares (for each word in text 1 with length ≥ 4, highlight all of its occurrences in both 'text1' and 'text2'); Implemented: do not highlight spaces, length = 0 words, sanitise text</p>

						by trimming ; only highlight full words, not substrings of words; write tests along with Rares
<u>As a user, I want to enter a piece of text of a news article, so that I will be given an overlap warning if the article has high overlap warning.</u>	#17	Diana Micloiu	13h	14h	Completed	This represents our last should have which completes the functionality of the second service (text similarity checker). The issue encapsulated backend as well as frontend work. For backend I've added a new api for text similarity checking and I refactored some methods by extracting code to avoid code duplication. For frontend, I've done all the changes necessary for sending the request to the backend and replicating the desired workflow of the application on that service. Nonetheless, I made use of the component created by Matei for displaying similar articles and modified some parameters to ensure dynamic construction according to the page/service that the component is used for.

Add percentage over the progress bar	#57	Vlad Nitu	1h30m	1h10m	Completed	As our TA suggest, besides the arrow / pointer to the percentage in the visualisation of our overlapping score, we should have added the exact percentage (number) directly above the arrow. We've also discussed with the client and he admitted that this was what he was looking for
Modify Main (Submit) Button to be stylised more appropriately	#62	Vlad Nitu	1h	1h	Completed	Previously, the button was looking weird on too small / large screens, as it was a dynamic component that gets rendered differently on the 4 services we provided. Moreover, there were some width/height values that were hardcoded and did not generalise well on lots of display sizes. Therefore, I've changed the spacing (padding, margins, etc) as well as the size, so now the component is not dynamic anymore.
Solve problems related to the map element in the main page.	#56	Cristian Ciacu	6h	13h	Completed	Various conflicts with our current setup, I had to research a lot for alternatives to run the test suite.

The buttons and text in the services part of the main page should be aligned.	#55	Cristian Ciacu	8h	8h	Completed	Nothing
As a user, I want to have a special section on the page to be able to see all the similar articles and their similarity ratio.	#53	Matei Mirica	18h	20h	Completed	Took more than expected because I needed to create a different component to be rendered on small devices.
The two text boxes should not overlap.	#54	Cristian Ciacu	8h	14h	Completed	Had a lot of bugs regarding setting the height of the text boxes. Each combination for the heights resulted in a bad appearance on some devices. So, in the end I got rid of "dynamically" adjust the height of the text-boxes.

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