***Sprint retrospective, Milestone #1***

| **User story** | **Task** | **Assignee/s** | **Estimated effort** | **Actual effort** | **Done** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- |
| As an admin, I want each URL that is inputted by the user to be processed and persisted in the database, in order to be used in future plagiarism checks. | #16,  #26, #27, #28, #29 | Vlad Nitu & Rares Toader | 12h | 5h | Completed | This was quite alright to solve because we played around with endpoints before (also path variable vs request body). The issues we had were with the pipeline failing because the GitLab runners’ IPs were blacklisted, so they did not have access to it, and the integration tests that interacted with the db failed. |
| Setup MongoDB Atlas Cloud-native database and integrate with Django. | #21(issue), #22, #23, #24, #25 | Vlad Nitu & Rares Toader | 6h | 8h | Completed | We spent quite some time researching and looking at the different ways to integrate MongoDB with Django (pymongo vs djongo). One challenge we had was that we removed the DB from the `settings.py`, but that made the server break, as Django requires a default database. |
| Route the frontend main page to checkURL page. | #38 | Vlad Nitu & Rares Toader | 1h30m | 1h15m | Completed | Straightforward to solve with the `react-router-dom` library, and using Router and Routes. No surprises here (besides tests, where we did not manage to test the main pages due to routings yet). |
| The title of the page and the logo should be custom. | #39 | Rares Toader | 1h | 45m | Completed | This was straightforward to change, in the `index.html` file. Small change but makes the website seem more professional :D. |
| As a user, I want to have a special option in the menu so that I will have the ability to insert a piece of text of a news article in a given text box. | #15 | Rares Toader | 12h | 13h | Completed | The page required many components that took quite some time to correctly tweak, so that everything fits on the same page. One challenge that took me over the time I estimated to solve this was with testing. Testing some components was tricker than I would have expected. |
| As a user, I want to have a main page that includes a menu, so that I will have the ability to access the different features of the web application. | #8, #30, #31 | Cristian Ciacu | 24h | 22.5h | Completed | No notes |
| [As a user, I want to have a special option in the menu so that I will have the ability to insert a URL of a news article in a given text box.](https://gitlab.ewi.tudelft.nl/cse2000-software-project/2022-2023-q4/cluster-08/8c-news-article-overlap-detection-platform/news-article-overlap-detection-platform/-/issues/10) | #10 | Vlad Nitu | 6h | 8h | Completed | This involved creating the secondary page specific to checking if an URL was plagiarised or not and also fully-testing whether the React components get render as expected. |
| Merge request review template document | #37 | Vlad Nitu | 15m | 15m | Completed | After discussing with the team, we agreed to create this document so that each reviewer of a MR (Merge Request) should have a starting point in reviewing other team members' work. |
| As an admin, I want to make use of an algorithm to detect overlapping news articles. | #7  #32  #33  #34  #35  #40 | Diana Micloiu & Matei Mirica | 20h | 21h30m | Completed | This task required setting up the algorithm which will be used to detect overlapping between news articles. We needed to crawl the articles given their URLs, compute their fingerprints and persist them into the database. Also, we created an index on the database to optimize the query performance when searching for specific hashes. Moreover, we created a sanitizing input functionality which makes sure the url provided by the user is a valid one and corresponds to a responsive internet content. |