Sprint retrospective, Milestone #7

User story	Task	Assignee/s	Estimated effort	Actual effort	Done	Notes
Update ReadME file	#81	Rares Toader & Vlad Nitu	6h (3h + 3h)	6h (3h + 3h)	Completed	Self-explanatory; followed a structure that the entire team came up with, after validating its correctness and completeness with the TA
Fix ProgressBar rendering on large screens	-	Vlad Nitu	30m	20m	Completed	Issue observed by one of the reviewers of our application (while completing the User Experience form & reporting it); the last label (80-100%) was getting overflown; had to fix the size
Use caching when installing dependencies on the backend CI/CD server	#86	Vlad Nitu	2h15m	2h	Completed	Implemented to incorporate feedback from our TA -> to make the pipeline more lightweight, improve its performance (run time); Modified the CI/CD backend pipeline to cache the dependency installation per branch
Deployed frontend application on Heroku	Part of #82	Cristian Ciacu & Vlad Nitu	7h15m	7h	Completed	Deployed frontend application on Heroku servers; had to continuously research for the past sprint different methods of how to deploy React.js

						application. The deployment of frontend and backend were independent, thus the other part of the issue was realised by @rtoader (for the backend part); Incorporated the deployed backend into the frontend application; added deployment commands to `scripts.md` file
Deployed `backend` module on Heroku.	Part of #82	Rares Toader	7h	11h	Completed	As just previously mentioned, I worked on deploying the `backend` module of the application on Heroku, thus had to research how to deploy a django application on Heroku, what files to add (e.g. runtime.txt and the Procfile.). Had to spend more time than expected because I ran into trouble with dependency configurations in the `requirements.txt` file, and also because I had to solve a medium sized merge conflict carefully.
Fix typo in error screen and update cypress tests	-	Rares Toader	1h45m	3h	Completed	Fixed a typo in one of the error screens we were displaying, and also adapted our test suite for this change. Migrated a cypress test suite to be run on our

						official endpoints (deployed application now). I had to spend more time than expected because each time a small change was made to the test suite, rerunning and checking to see if the tests are ok took quite a lot of time.
[BUG] Not scrolling to Abou Us and Statistics when coming from a service page to the main page via navbar	#82	Vlad Nitu	2h	2h	Completed	Solved the issue of: When clicking on About Us and Statistics from a feature / service / secondary page, currently the user gets redirected to the mainPage and the URL is the correct href one, i.e: /#ourMission. However, due to the asynchronous data load nature of rendering in React, the scrolling does not wait until the entire mainPage is rendered, thus not having time to perform the scroll operation; achieved the success by using `HashLink` from 3rd party lib: 'react-router-hash-link'

User Experience Evaluation Study	#85	Diana Micloiu, Matei Mirica	6h	6h	Completed	Conducted a User Experience Evaluation Study, with the aim of assessing the usability and explainability of the application's user interface. The goal was to extract feedback from potential users, identify visual issues and gather suggestions for improvement. The questionnaire has been transmitted to potential users with the help of the following Google Forms https://forms.gle/nAzYR34Aq4t65kXGA. Moreover, the results of the User study can be depicted in the following Excel https://docs.google.com/spreadsheets/d/1ppD8RFES9fyelBec7fExeQa7W4dzafu2TVLuLNuBjDU/edit?resourcekey#gid=1301153875
Compute Software Metrics and code refactoring	#83	Diana Micloiu, Matei Mirica	10h	12h	Completed	Used `Radon` and Webstorms' software metrics to evaluate the code quality of our project and refactored the code accordingly to decrease the complexity of the methods pointed out as inconsistent. Moreover, we carefully analysed the code base on both backend and frontend

						and thoroughly documented it to enhance consistency and clarity.
Modify design bug of compare two texts service	#63	Cristian Ciacu	30min	30min	Completed	No issues
E2E testing for the main page	#60	Cristian Ciacu + Rares Toader	6h (Cristi) + 30 min (Rares)	6h (Cristi)+ 30 min (Rares)	Completed	Encountered a problem when trying to test the statistics, since I had to take the expected values from the backend endpoint and that generated some unexpected errors, increasing the complexity of the issue. Rares modified the intercept endpoint after deployment, since I used the localhost and that was no longer the case.
Add button on the bottom of the big image on main page	#61	Cristian Ciacu	3h	3h	Completed	Implementation was pretty straight forward, lots of resources online.