Submission from News Summary Team:
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Project status by 09.03.2023

So far, we have fully implemented the functionality of our web-based frontend, which is based on Streamlit. The frontend consists of multiple pages, each for different news categories. The help page includes a precise instruction for how to use pages and functionalities like how to summarize one's own news-article. Among features like text areas and buttons, this includes a functional contact site, where help requests by mail is possible with a functional form. For that we created an email account at ProtonMail since it is considered one of the most safe and trustable providers.

We have also implemented our backend for fetching news from different news sites. So far, we have implemented fetching from The Guardian and the BBC. This fetching works using the RSS feeds of these websites and can be easily extended for other news sites. The news fetching backend is integrated into the frontend. Furthermore, we integrated an API provided by OpenAI for the data communication between the user-interface and the backend for manual and the daily automatic summaries from each news category.

There also exists an option to let users create their own summaries. Users are able to write or copy an article into an expandable text area. If they then click on a button, a summary will be generated. Furthermore, users have the ability to download the generated summary as a text file. This file can be shared with their contacts.

Project completion by 16.03.2023

As future steps, we want to update the pictures that are on the website, by creating our own and then uploading them. Another task is also proofreading and correcting any typographical mistake on the website.

An important part of the project is also testing. The tests we want to do are unit tests, specifically white box tests, integration tests, as well as usability tests. The unit tests will be done on the news fetching backend. The integration tests will test the integration of the fetching backend and the OpenAI API into our frontend. For lack of time, the usability test will be done by the members of the group on the frontend side.

Last but not least, the preparation of the end presentation, which will include a demo, is also another task that we will have completed by the 16th of March.