"DONAID" a Streamlit app programmed, designed and illustrated by **Milica Stanojić**

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PROCEDURE

For the TB2 project, I built upon my previous tkinter idea called "DON-AID". Even though a whole year has passed, female inequality and war zones have grown ever more. A huge inspiration for making a change is the organization "Amnesty International" for me. Their combination of informing, updating and signing petitions for every person regardless their gender, ethnicity and belief, who got treated unfairly(e.g., being charged with death penalty without evidence), is exactly what I was aiming for but with more focus on women and current war zones.

While gathering ideas on the content my app should contain, I already realized I wanted to expand my first idea. However, I wanted to implement more functions, like chat functions, messages, connecting it with MongoDB, signing petitions, and so on. The "About" and "Why Take Action?" pages are informative and accessible with the topic of war zones and women have to endure. "Donation Options" give various donation options like clothes and sleeping mats, but also a money option that gets added up after submitting and shows the user how much we have gathered so far, which I think is really cool and makes us feel like we can actually make a change. "Donation Action" gives the user the ability to sign monthly petitions while "Testimonials and Chat Forum" gives everyone a chance to communicate directly and get a realistic point of view. "Period Poverty with Active Cycle" is a collaboration between Sela and me with statistics and data about period poverty, as well as an advertisement for both of our apps.

Before asking experts, I was starting to code with the tools I already learned in class, like implementing texts, input boxes, pictures, buttons, sidebar options, links to autoplay videos and how to play my strengths like creativity and layout. Afterwards, I was asking Sarah how to connect my donation options to MongoDB and open up a homepage for registration, as the user has to insert their name only once to get the possibility to donate and sign petitions. At the Digi Lab, they tried to help me with getting a more neat code and thanks to Svea I knew how to code a config. page to personalize my color code and font. Next up, I really wanted to cooperate with Sela about period poverty. She has a period cycle app, called "Active Cycle" and I have a donation app, specifically for women in need and we thought it would be very nice to inform everyone who wants to educate themselves that periods are unvoluntarily not our decision. We don't have a choice about getting them, therefore sanitary access should be obligatory for everyone, regardless the circumstances. Therefore, before people have the option to donate, they also have the option to inform themselves on the importance of the topic and donate what they can. Lastly, I focused on the design, font and colors, as I'm a graphic designer myself. Blue signifies hope, while orange should signalises positivity and attention-grabbing, as more people should want to inform themselves with important topics like gender inequality. Furthermore, I also edited my old logo and added an illustrated new one. I was absolutely playing my strengths and

I'm 100% proud of the outcome, as mock-up design that has working functions and what I'm mostly proud of: a chat function, with updated comments to support and communicate with women.

LIMITATIONS

One major limitation while coding was: Where do I start with organizing all of my ideas? Luckily, when I had my first draft, things were going more smoothly and my vision came to life. What I directly saw as a limitation while coding was obviously, that the website is not updating itself, as no one is working every month for new war updates, besides me, which means the app needs constant attention and care. Additionally, this sidebar did not show, on the smartphone version, without clicking on the sidebar itself, which was very confusing for my testers. Next up, the numeric input boxes I chose were very similar-ish in the donation option-section, however they contained many different questions, so in this case I outweighed freedom of selection, instead of more varied accessibility. Sarah was a great support with my homepage, as the entry used to be very tricky before, because only one user at a time could enter the app. Now, there is a convenient connection.

USER FEEDBACK

In terms of design and creative, I received many compliments because of the colors, logo and accessibility. All testers very attentive, due to the eye-catching and error free pages. Regarding the usability: If you open the app on a smartphone, the sidebar doesn't show automatically, which is not particularly against me, but streamlits smartphone arrangements. Personally, what I didn't really like was the inactivity of some testers, as there weren't too many personal messages submitted. However, everyone (including myself) really liked the chat function. It was considered a hit and really interactive. The testers were really mesmerized by the illustrations and I also got the feedback that the app, in general, was giving a personal feeling while combining art, culture, women and aid. That's exactly what I wanted to achieve. That was my vision for an app called DON-AID, as you donate to aid.

Affidavit:

I declare that the submitted academic paper has been written independently and no sources or aids other than those indicated have been used. All contents taken from the works of third parties or (my own work) which have been taken verbatim or in spirit from other sources have been marked as such appropriately and the respective source of the information has been clearly identified with precise bibliographical references. I have not submitted this paper before to an examining authority either in Germany or abroad.

Hamburg, 24.03.2025
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