

TECH BASICS 2 PROJECT REPORT

Leuphana University Lüneburg

Technological Basics 2 Exam

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Leuphana Community App - Project Report

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In Tech Basics 1, I created the prototype for the Leuphana Community App, which was designed to serve as a tool for enhancing the university experience by fostering a sense of community, providing access to resources, and promoting overall well-being among students.

For Tech Basics 2, my main goal was to improve the app based on feedback and make a user-friendly app that works.

To start, I showed the app to some of my friends who are students, and I asked for their thoughts and what features they would like to see in an app like that. Then I took the feedback and defined what the features should be and how the app should work. Then I built the app and tested each part to make sure it worked.

I did not want to overload the app with too many features that might make it hard to follow, and I wanted it to be easy to use. So, I decided to make 4 features. I focused on making the app easy to use and visually appealing. The interface is clean and easy to navigate. I used formal fonts to make it look professional. I made navigation simple by removing complex login procedures and added clear buttons. I also added new features like a chatbot in the community forum page.

I implemented this project by creating the First page, which is the welcome page. I added a button to go to the main features page. In the main features page, I listed the main features with buttons for navigation. These main features are the Information Hub, which provides access to the university library and student services. In the “Community Forum” page, I made a chatbot for interactions. In the Well-being Resources page, there are tips and resources for mental health and well-being, with buttons that link to counselors and doctolib.de, which is a website for booking doctor’s appointments and the university sports page that shows all the offers available in the school. And in the “Community Connections” page, I listed various groups for students to join like the sharing is caring group, Flohmarkt, international group, digital media group. Each button leads the user directly to the Telegram or WhatsApp group link. I uploaded a [DEMO HERE](#) (the book appointment page that leads to doctolib.de works, but it did not display because I needed to update my browser).

While coding, I started by Setting Up the Main Window with specific dimensions and a title. I defined the global fonts and colors for consistency. Then, I created functions to clear widgets, add images, and open URLs. Then I developed functions for each feature page to keep the code organized.

I found this project very challenging because first, I had this mental block and I was extremely nervous to start building anything, combined with my general workload in the semester. I had to

register for the second date and work towards submitting the app. I found myself worrying about everything, including how to submit on GitHub. I knew how to, but I kept thinking about what happens if I don't get it right. So I asked for someone to take a look at it and confirm that I did it right.

Overall, I am pleased with the final app, although I know it can be better. I think doing this project has brought me more knowledge about programming, but I still have a very long way to go. I'm still very interested in coding and I'll use the first week after the lecture-free period to learn more on Codecademy. Then from July 15th to September 27th, I will do the coding boot camp at Ironhack, which is funded by the Agentur für Arbeit. I am confident that this will increase my knowledge.

The Leuphana community app is still a work in progress, and I know it is something I will revisit and work on and possibly present to the school before I graduate.