# Brief description P05

To start the program, you only have to execute the main.py. Afterward, you can input two dates, and the weeks to which these dates belong will be compared with each other. An overview of which modules need to be installed can be found in the requirements.txt. Additionally you can find a description how to run the program exactly in the readme.md.

At the start of this project, each team member started to examine the dataset and tried to filter out the relevant data. As a team, we then have first thought what the final appearance of the program should be. We therefore thought about the necessary classes as well as the general structure and workflow of the code. Fadri then took charge of visualizing the program using Tkinter, Sarah handled the calculations of the delays, and Kristina tackled various tasks such as time conversions, downloading, and data display. After implementing all these classes, we separated the main program into various files for a better overview.

We were all able to learn many things especially regarding the module Pandas. Additionally, it was the first major programming task where we had to collaborate as a team. Trying to understand what other team members had programmed proved challenging but even more beneficial since we gained a general understanding of how programming works. Merging different pieces of code together and presenting them as a cohesive whole was an extra challenge, and here Fadri's advanced programming skills helped us. By each team member contributing different suggestions for problem-solving, we were able to benefit from each other's expertise and work effectively as a team.