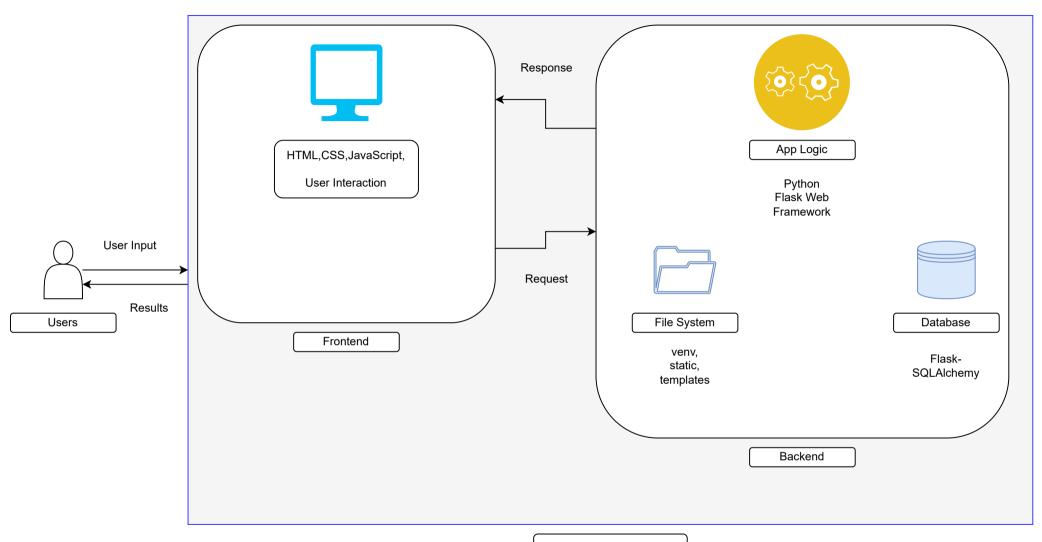Brief written concept

In this course I am going to build a to-do list web app. To do so I will use Python and in particular the micro web framework Flask. As for the database I will use Flask-SQLAlchemy for managing the to-do entries. Therefore, to sum up the Backend Technologies, these would be Python, Flask and Flask-SQLAlchemy. The Frontend will be built using HTML, CSS, JavaScript. I've decided on this approach since I think that developing a To-do app with these technologies will be a great exercise for learning useful concepts in web development. The to-do list should get the following functionalities. First, you can mark the items as not done or done. Furthermore, you can move the items up or down in the list to give some items a higher priority. Furthermore, you can delete items. In addition, you can use a search bar to find or filter certain entries. The advantage of using this application is that the user has access to a prioritizing system and a search/filter functionality.

The target user group is broadly diversified. To-do lists are relatively flexible. You can use it for personal to-dos, or on a professional level at jobs. It's for Everyone who wants to organize and help remembering their tasks.

The most measurable benefit is that it helps you stay organized. It's natural that when you write all your tasks on a list, they seem more manageable. Furthermore, with a to-do list its less likely that you're going to forget a task. In Addition to that to-do lists are an effective motivational tool as you can use them to clarify your goals.

Users

User Input

Results

Frontend

HTML,CSS,JavaScript,

User Interaction

Response

Request

App Logic

Python
Flask Web
Framework

File System

venv,
static,
templates

Database

Flask-
SQLAlchemy

Backend

Web Application Architecture