# Project status.

27.10.2022

# General

Use Git and GitHub for revision control.

Programming language: Python

Separate code files OK for now.

# Tasks:

## Data collection (API)

which API should be used? https://www.hvakosterstrommen.no/strompris-api

Libraries? API, (Json?)

Error handling .HTTP-response codes

Input from main.py: Year, Month, Day, and Price-area (NO1-N05)

Output to main.py: JSON-file + HTTP

## User interface:

Terminal Interface.

What parameters is needed from the user. Year, Month, Day, and Price-area (NO1-N05)

Error-handling wrong input from user.

Input from main.py: None

## Generating STL

Library (cadquery?) Numpy-STL?

What input is needed from user/API JSON formatted text string.

Shape of model (bar-chart, line-chart.) baseplate etc. Make a prototype of the chart in a CAD-program.

Should we engrave any text on the 3d-model.

Filename and File location?

## Main

Inputs and output

# distribution of tasks

|  |  |  |  |
| --- | --- | --- | --- |
| **Action** | **Owner** | **Deadline** | **Status** |
| Find a suitable library for API-calls. | Nina |  |  |
| Find a suitable library for JSON file handling | Nina |  |  |
| API.py | Nina |  |  |
| Find a suitable library for generating 3d-model | Yonas |  |  |
| Make a prototype of the bar-chart in SolidWorks. Etc. | Yonas |  |  |
| GenerateSTL.py | Yonas |  |  |
|  |  |  |  |
| main.py | Bjørnar |  |  |
| \_mock.py files. | Bjørnar |  |  |
| Make a new detailed flowchart | Bjørnar | 31.10.2022 |  |
|  |  |  |  |
| UI.py |  |  |  |
| README.md |  |  |  |

Next meeting?