PROGRESS

- Slight changing of the theme.
- Research on the difference of time efficiency of the sorting algorithms based on the data input(example – ones, range or shuffled range, different sizes of the datasets(10^n elements, n>=0).
- Research in the use of the sorting algorithms and how they influence the world(for instance in finance: better time efficiency -> more time to study the data -> better returns).
- Research different types of sorting techniques(in-place/outplace, online/offline, stable/unstable).
- Question: How is the performance of sorting algorithms influenced by the used dataset?

BARRIERS

- The abundant amount of information on different types of sorting(how should I start my software artifact – implement first all the sorting algorithms for one dataset or implement different datasets on one algorithm).
- The decision to include or not practical uses of the sorting techniques – it can provide several real life cases of the usage of algorithms but it’s too soon in the project timeline.
- Decision to test the cases in more than one programming language.

PLANNED NEXT STEPS

- Make decisions on current barriers and start implementing the algorithms.
- Create lists or a table with algorithms times and analyse the results with proper documentation.
- Further technical research on other implementation methods and application in different domains.