

Conception Phase

The conception phase should be based on the following key questions:

- What is the aim of my work?
- What are my ideas? Testing ideas for sustainability: What are positives and negatives?
- What is the concept of my work?
- How do I plan to proceed?
- Which methodology/which tool did I choose and why?

The conception phase concludes with the submission of a first portfolio page in PebblePad in the following form:

- A brief explanation of the concept in the form of a text of maximum half a DIN A4 page must be included.
- Depending on the course, first sketches/drafts/diagrams have to be created and inserted according to the formalities and parameters defined in the assignments.

Requirements:

- Habit class
 - Task (Desc)
 - Repetition time (day,week,year)
- UML
 - Class diagram
 - Use case or component diagram
- Analysis
 - list of all currently tracked habits
 - list of all habits with the same periodicity
 - longest run streak of all defined habits
 - the longest run streak for a given habit
- API
- CLI
 - Use **fire** or **click**

Tech Choices

- Swagger (OpenAPI)
- Python 3.7+
- OpenAPI?

Research

- TDD in python
- OpenAPI (Swagger)

- Unit tests
- FastAPI
- Using sqlite3
- Analytics - Functional programming