Supervisor meeting of the 29.05.2024 - Functional language compiler to WebAssembly

In this meeting was the project kick-off.

Location: C10.15 HEIA-FR

Date: 29.05.2024 9:45 - 10:30

Agenda

- Welcome
- General information and guidelines regarding the bachelor project
- Presentation of the client and the experts
- Presentation of the project
- Project procedure and important dates
- Questions and answers
- Next meetings

Participants

- Jacques Supcik (supervisor)
- Serge Ayer (supervisor)
- Noah Godel (student)

Information shared

- Embedding is the process of adding a language to another language. The host language can call the embedded language and the embedded language can call the host language.
- There will be two meetings with experts. The first has the goal to show the requirement specification and the second will take place near the end of the project.
- The project is too ambitious. The specification of an entire language is too much. Focusing on a subset of a language is a common approach and will be easier to achieve.
- LLVM could complicate the project it might be possible and maybe easier to generate the WebAssembly code directly.

Decisions

- The meetings with the supervisors will take place every week on Wednesday at 8:45.
- The meetings with the experts also have meeting minutes.
- The meeting minutes will be written in markdown and stored in the gitlab repository. They will be turned into a PDF and sent to the supervisors and experts.

- The student should focus on a subset of a already existing language and not try to create a new language from scratch.
- The student should drop the LLVM part from the specification and add an analysis task of the if LLVM is needed.
- The requirement specification will be validated by the supervisors in the next meeting (05.06.2024). But the student should already send the requirement specification to the experts as soon as its done to get feedback.

Tasks

What?	Who?	Deadline
Add the experts as members to the gitlab project	Mr Godel	29.05.2024
Contact the experts to set up the first meeting	Mr Godel	29.05.2024
Ask the department head what part of the thesis needs to be in German for the bilingual diploma	Mr Godel	29.05.2024
Add the estimation of the load per task with justification and deliverables in the specification	Mr Godel	05.06.2024
Add a diagram for the WebAssembly part in the specification	Mr Godel	05.06.2024
Add the analysis task of the LLVM part in the specification	Mr Godel	05.06.2024
Send the updated requirement specification to the experts	Mr Godel	31.05.2024