"C compiler with Elixir"

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Objective

According to the syllabus of the compilers subject, we (as students) have to create from scratch a compiler as the subject's final project.

The objective of this project is to create a functional C compiler using the Elixir language as the core; not only that, we will try out all the knowledge we have got about Software Engineering and Project Development.

Requirements

Concept	Description			
Warning messages	The compiler has to send messages about problems during or after compilation, such as syntax mistakes or compilation errors.			
Machine code generator	The compiler has to use the proper Elixir commands to translate high level language into machine code understandable for the processor.			
C language compilation	The compiler has to translate C code into machine code,			

The client can make changes of these requirements in during the delivery period.

Schedule

Title	Beginning	End	Duration (days)	Description
Analysis	10/02/2020	12/02/2020	2	Analysis of the project and requirements made by de client, creation of repositories and work plan.
Preliminary study	12/02/2020	13/02/2020	1	Study made for the complexity of the Elixir language.
Planning	13/02/2020	15/02/2020	2	We created a schedule for the activities for every development team member
Detailed analysis & development	15/02/2020	No date		Using the Nora source as an example, we extended our analysis to include the necessary steps for creating a functional C compiler using the Elixir language. Creating the structure of the project files using the GitHub tool as support was accorded between the development team, an the roles were given to each member.
First delivery	17/03/2020	17/03/2020	1	First delivery of the project (Could be online)
Second delivery	*April	*		Dates can change according to the client
Third delivery	*May	*		Dates can change according to the client