



# PROJECT PLAN. WRITING A C COMPILER. WEEK 1.

Code Synaptics.

October 6, 2022  
Compilers, Group 5.

Customer:  
Ortigoza Marquez Norberto Jesús

Code Synaptics Team:  
Argüello León Dante Moisés (PM)  
Carreto Velázquez Miguel Ángel (System Architect)  
Pérez Quintana Arturo (System Integrator)  
Recinas Barajas Carlos Eduardo (Programmer)  
Robledo Aguirre Eduardo (Tester)

## NQCC Compiler. Week 1

**Objective.** Create the first part of a C compiler using Elixir, at the end of the first release, we will be able to compile the following code:

```
int main() {  
    return 2;  
}
```

## Project Plan

Date or Period	Activities	Responsible
Aug/25/2022	Inform the Customer assistant of the requested details of the Code Synaptics team.	PM (Argüello León)
Sept/7/2022	Request the creation of the repository in the project in git to the Customer.	PM (Argüello León)
Sept/11/2022	First meeting with the work team, to set the goals and visualize the work that will be carried out in general. Meeting report will be made.	Everybody
Sept/11/2022 to Sept/14/2022	Read Nora's tutorial for Week 1.	Everybody
Sept/15/2022 to Sept/22/2022.	Each member must seek information about the Elixir language.	Everybody.
Sept/18/2022	Review the schedules of all members to establish the best times for meetings. Using when2meet.com	PM (Argüello León)
Sept/20/2022	Create shared folder in Google Drive for code documentation, reports, and internal team files. Share the link to the team.	PM (Argüello León)
Sept/21/2022	Clone the Costumer Compiler code to the Code Synaptics main repository.	System Architect (Carreto Velázquez)
Sept/22/2022	Define the software tools that we will use to develop in the Elixir language, to homogenize the working versions. Generate a document about it called "Work environment" and place it in the shared folder of Drive.	System Integrator (Pérez Quintana).
Sept/23/2022	Meeting to discuss the structure of the work plan for Week 1 as a team using Google Meet, as well as review of the "Work environment" document. The meeting report will	Everybody

		be made and placed in the Google Drive folder.	
Sept/25/2022		Work meeting in Google Meet to monitor the development of the project plan, responsibilities will be defined in terms of documentation and making comments in the code. Follow-up of the fulfilment of objectives proposed by the Costumer. The meeting report will be made and placed in the Google Drive folder.	Everybody
Sept/25/2022		Investigate efficient ways to document and add comments to source code. Share your research with the team in a general way.	Programmer (Recinas Barajas)
Sept/25/2022 to Sept/30/2022	to	Review the code modules, the Tester must test the codes proposed by Nora in her tutorial, as well as generate additional test programs (10) to guarantee quality. The Tester can delegate the responsibility of testing modules to the programmers but must be aware of it and generate reports on it.	Tester (Robledo Aguirre)
Sept/25/2022 to Sept/30/2022	to	Deep analysis, incorporation of comments and documentation of the codes assigned to each member in the "Code Description" document in the shared folder of Drive. The development of missing code of the assigned codes is requested, if necessary, and incorporate the changes to the "Code Description"	Everybody
Sept/25/2022 to 30/2022	to	Analyse how to represent the AST that will be generated by the Parser based on the Elixir language. Share the revision made with the team.	System architect (Carreto Velázquez) and System integrator (Pérez Quintana).
Sept/29/2022		Work meeting in Google Meet, to redefine the responsibilities of each member of the project according to progress. Review of the progress of the Tests made by the Tester (Robledo Aguirre) as well as the observations of each member regarding the progress. The meeting report will be made and placed in the Google Drive folder.	Everybody
Oct/1/2022 to Oct/3/2022	to	Implementation of the flags in the Nqcc code.	PM (Argüello León).

Oct/4/2022		Merge of the Tests branch to the Main branch.	Tester (Robledo Aguirre)
Oct/1/2022 Oct/5/2022	to	<p>Generate the final report for Week 1, consisting of an introduction, the Project Plan (made by the PM), the documentation made by the team, the Test Plan (made by the Tester) and the team conclusions. Using Google Docs.</p> <p>Realization of a presentation, in the file "Code Synaptics – Presentation" created in the shared Drive folder, each one of us will add slides regarding the topics assigned to each one.</p>	Everybody
Oct/4/2022		Work meeting in Google Meet, to check the final execution tests and discuss the possible review date with the Costumer. The meeting report will be made and placed in the Google Drive folder.	Everybody
Oct/5/2022		Ask the Costumer assistant for a review date and coordinate the way to present the Week 1 deliverables with the team members. Using discord.	PM (Argüello León).
Oct/7/2022 7 p.m.		Present the deliverable of Week 1 to the Costumer. Using Zoom.	Everybody