**XENON COMPILER**

**USER MANUAL**

Development by Javeritos Inc.

National Autonomous University of Mexico

Faculty of Engineering

Computer Engineering

Compilers

Ing. Norberto Jesús Ortigoza Marqués

Developers

André Marqueda

Javier Solano

Alberto Castillo

Daniel Zarco

INDEX

1. Objective………………………………………………………………………………………………………..3
2. Introduction……………………………………………………………………………………………………3
3. User Manual
   1. Installation Requirements…………………………………………………………………………..3
   2. Installation………………………………………………………………………………………………..3
   3. Execution………………………………………………………………………………………………….5
   4. Tests…………………………………………………………………………………………………………5

**XENON COMPILER**

**USER MANUAL**

Objective

The user will know how to use the Xenon Compiler.

Introduction

The following written represents a manual for the use of the Xenon Compiler. We show the installation requirements, the steps to follow for the installation, and the commands required to run and test the Xenon Compiler.

USER MANUAL

**Installation Requirements**

- Install git

- Install elixir

**Installation**

The Xenon compiler is located in the GitHub repository. Follow these steps:

- Open the Git Bash terminal

- Type the following command:

***git clone*** [***https://github.com/hiphoox/c202-javeritos***](https://github.com/hiphoox/c202-javeritos)

It will be displayed on the screen as follows:

Imagen que contiene foto, negro, tabla, teléfono

Descripción generada automáticamente

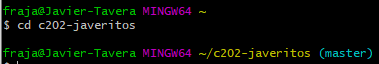
Check with the command "ls" if the repository was cloned

***ls***



Then type the following command to open that folder:

***cd c202-javeritos***



The following folders can be observed:

* [CompiladorXenón](https://github.com/hiphoox/c202-javeritos/tree/master/CompiladorXen%C3%B3n) : Compiler code.
* [DocumentaciónXenón](https://github.com/hiphoox/c202-javeritos/tree/master/Documentaci%C3%B3nXen%C3%B3n) : Compiler documentation.

Type in the command: ***ls***



Enter the correct folder using the following command:

***cd CompiladorXenón***



This is to get into the Xenon code folder

Type the following command to generate an executable:

***mix escript.build***



\*\*\* Note: In case the elixir version fails, we will access the file mix.exs inside the same folder and we'll change the next line to our version elixir.

**Execution**

To run the compiler, write the following command:

***./CompiladorXenón [input parameters]***

|  |  |
| --- | --- |
| Input parameters |  |
|  |  |

**Tests**

To run the scheduled Xenon Compiler tests, type the following command:

Mix test



This verifies that the Xenon compiler has no errors.