VERSION CONTROL
GIT & GITHUB

ESPINOSA BERNAL GIOVANNI
FUENTES FLORES LORENA
MARTÍNEZ OLVERA JUDITH
UGALDE ROMERO DULCE CAROLINA
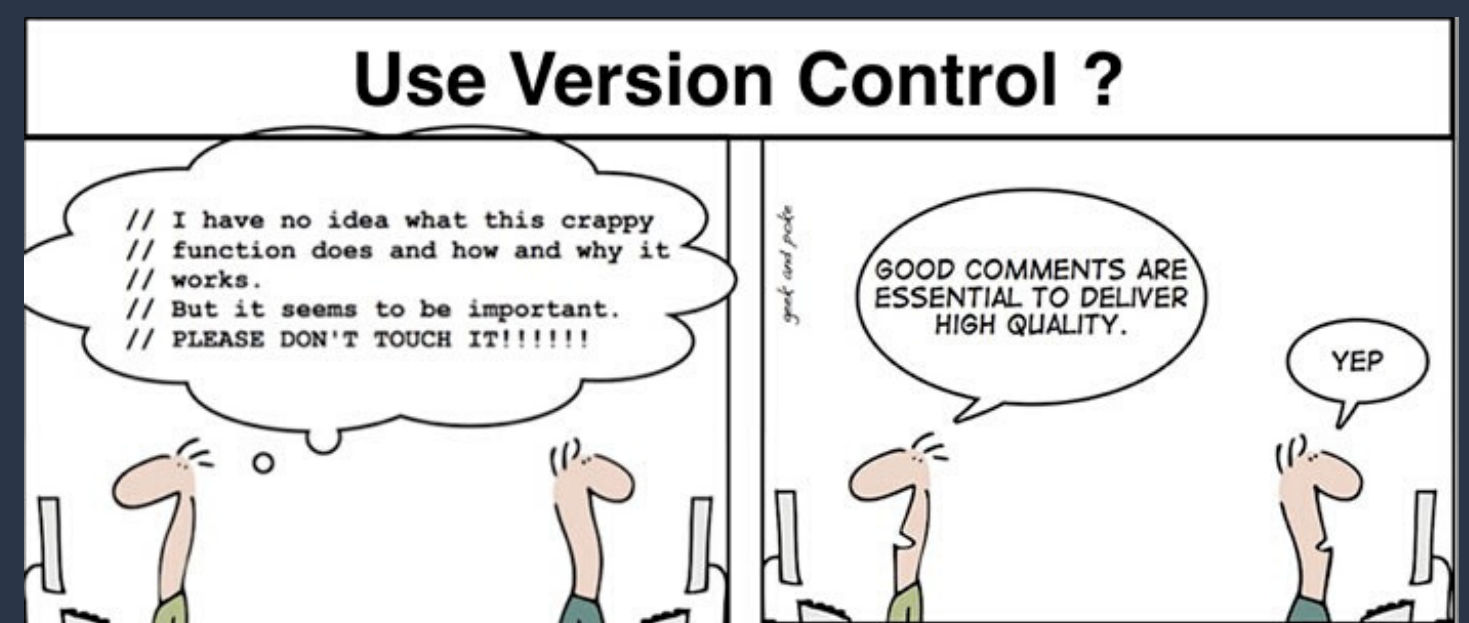*VITE GONZÁLEZ CYNTHIA*

MENTOR: CONTINENTAL SUPPORT TEAM

INTRODUCTION

Software development includes the continuous process of modifying programs and version control system makes this task easier. Version control software is used by software developers to maintain documentation and configuration files as well as source code. It helps developers to store different versions of software safely and in an organized manner.With this, a Software Engineer can quickly identify which version needs to be modified and what commits had been done previously and should be done.
Programmers and developers can easily collaborate on a project through the version control system. Everyone can access the database simultaneously to view previous versions. It will be easier for them to work simultaneously as a team regardless of their location.

Collaborative environments (like GitHub, GitLab, etc.) developed around version control systems provide central repositories, issue tracking/management, and threaded discussions/forums which helps facilitate a team-based approach to the software development lifecycle.
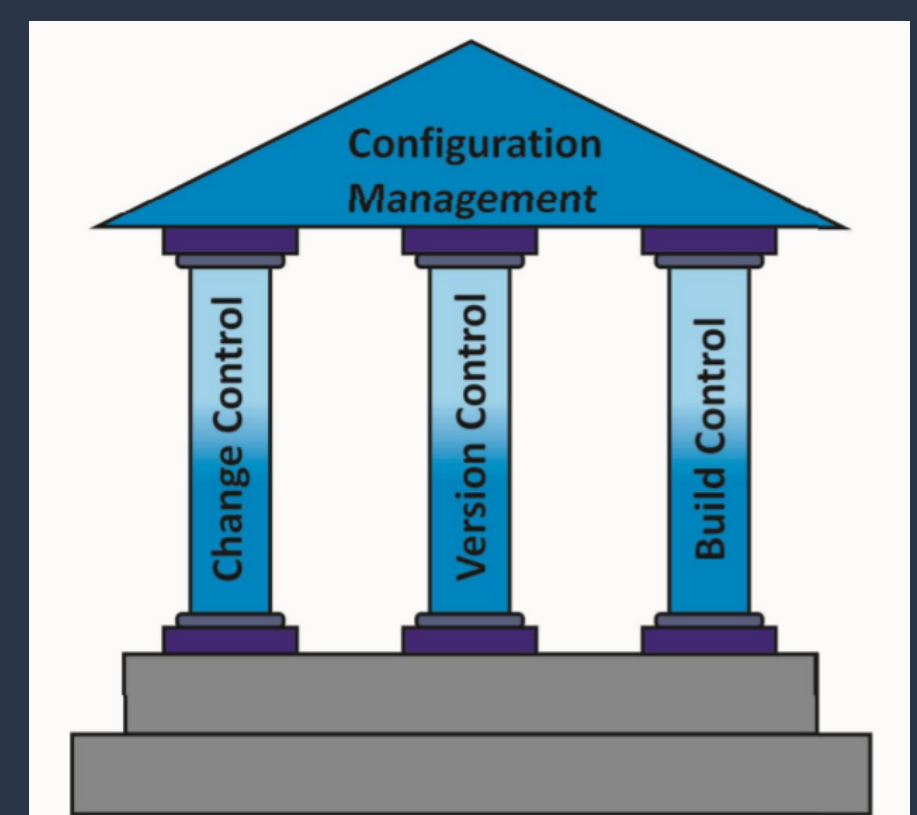
METHODOLOGY

Use Version Control ?

// I have no idea what this crappy
// function does and how and why it
// works.
// But it seems to be important.
// PLEASE DON'T TOUCH IT!!!!!!

GOOD COMMENTS ARE ESSENTIAL TO DELIVER HIGH QUALITY.

YEP

Complex code development is impossible without a Version Control System (VCS). Version Control is used to track and control changes to source code. It is an essential tool to ensure the integrity of the codebase.

To maintain and have an introduction of the characteristics of the way of working in the Continental company, the first session that was version control with the Git software.
A key point is collaborative work and the easiest way to do this is through the version control environment. In this way, we understand the use it has and the importance of using software that allows you to control changes in a job along with the advantages of using it.
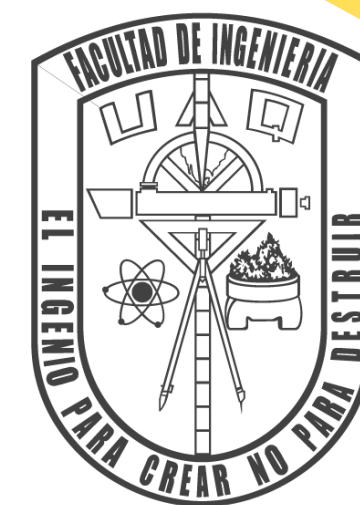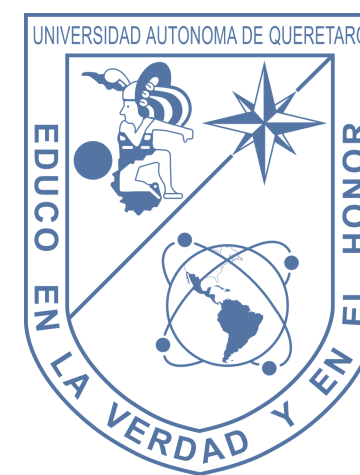

Configuration Management
Change Control | Version Control | Build Control

REFERENCES

A Visual Guide to Version Control – BetterExplained. (2019). Retrieved 8 December 2019, from https://betterexplained.com/articles/a-visual-guide-to-version-control/
Control de versiones: Git y GitHub. (2019). Retrieved 8 December 2019, from https://www.acens.com/comunicacion/white-papers/control-versiones-git-github/
Version Control—Why Do We Need It?. (2019). Retrieved 8 December 2019, from https://medium.com/@lanceharvieruntime/version-control-why-do-we-need-it-1681f4888cec

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RESULTS

```
iones-de-proyecto-formacion-dual (master)
$ git log --graph --decorate --oneline
*   2462756 (HEAD -> master, origin/master, fork/master, fork/HEAD) Merge pull request #14 from DulceCarolina/master
|\
| * 2369afe Add files via upload
* | 9b76781 Se agregan los archivos para la tarjeta master con el diccioario definid|
* |   67ee188 Merge pull request #12 from LoreFuentes/personas
|\ \
| * | 48f0301 Codigo_SPI_slave_ventana
* |   1392ad4 Merge pull request #13 from DulceCarolina/AlgoritmosDC
|\ \ \
| | | | 1afad29 Version 2 de los códigos más programas extras
| | |/
| |/|
* | |   d3bf6ce Merge pull request #11 from DulceCarolina/PBaseDatos
|\ \ \
| * | | 8a53768 Programas para grabar audio y para generar la base de datos
| |/ /
|* |   bcd9358 Create Reportes
* |     f093918 Merge pull request #10 from LoreFuentes/algortimodeaudio
|\ \ \
| |_|/
|/| |
| * | ec2e4ae (fork/algortimodeaudio) CodigoParaGrabarAudio
| |/
* |   0fcf838 Merge pull request #9 from DulceCarolina/patch-1
|\ \
| |/
|/|
| * 183b6c7 Add files via upload
|* 946aa9e Create Reportes
|/
* 0ea10b5 Formato para reportes de prácticas 2.0
* cd4eb00 Se agrega el para el formato de reportes en la carpeta reportes
*   34848f6 Merge pull request #8 from LoreFuentes/reporte
|\
| * cedbb05 (fork/reporte) Actualizacion-de-maquinas-de-estado
|/
*   645b88d Merge pull request #7 from LoreFuentes/codigo_slave
|\
| * 3040b88 Se_Agrega_codigo_para_esclavo_en_comunicacion_SPI
|/
* 5719e1c Se añade el proyecto completo de la máquina de estados para la comunicación SPU de la tarjeta master
* 4a081e2 Se agregan ls archivos para el master con base en la máquina de estados para la comunicación SPI
*   4bd774a Merge pull request #6 from LoreFuentes/patch-2
|\
| * 2b92016 (fork/patch-2) Create readme.txt
* |   5a55038 Merge pull request #4 from CynthiaVite/RamaWindowLifter
|\ \
| |/
|/|
| * bd1ab27 Freeze_1_Entrega
* | 5b89e98 Se agregan los archivos src para la comunicación con el protocolo SPI entre dos tarjetas, tarjeta maestra
* | f0471ff En este commit se agregan las máquinas de estados
* | b5be872  Modificación para generar laberintos aleatorios
* | 02c30fd Código para modificar_Hacer laberinto con sucesores DFS
* | 21f9eb1 Breve explicación de la carpeta para algoritmos
* | 12b0c92 Create Readme.txt
```

Version control implementation for the development of projects in the Continental company, using the Git software with the GitHub platform. In the results we can see that teamwork and version control is a very important way to get a complete project in a timely manner.