



FACULTAD DE INGENIERÍA UNAM



**PROFESOR:
ING. JOSE ROQUE RG**

**COURSE:
COMPUTACION GRAFICA IH**

GROUP: 06

**FINAL PROYECT
TECHNICAL MANUAL**

**ALUMNOS:
CRUZ CEDILLO DANIEL ALEJANDRO
CHAVEZ FLORES GIOVANNI**

**SEMESTRE:
2023-2**

**FECHA DE ENTREGA:
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VERSIONS

For this project, both Google Drive and GitHub were used. To complete this project, a total of 6 versions were created, with different elements being added in each version.

Most of the versions were developed individually by team members, and then we used GitHub as a method to merge them together. Google Drive was used for sharing heavier files more easily with other team members, but ultimately, the goal was to consolidate everything on Google Drive.

At the end of this document, the GitHub repository address will be provided, where the code for the different versions can be found.

VERSION 1

The first version of the project was based on what one of the team members submitted for their laboratory, so it already had several advancements.

Including:

- Restaurant
- Sonic
- 5 out of 7 animations
- 2D background sound
- Decorative models
- Skybox
- Day and night lighting

VERSION 2

In the third version, Ballon Boy was added, which was hierarchically assembled from a model obtained from the internet. This model had several joints to enable various movements.

VERSION 3

In the third version, the following missing animations were added:

- Automatic lighting coordinated with day and night cycles.
- Manual toggle for turning on and off the light.
- Animation using keyframes.

VERSION 4

In this version, efforts were made to implement the camera, which turned out to be more challenging than initially planned.

- Third-person camera
- Isometric camera
- Ballon Boy movement
- Simple animation

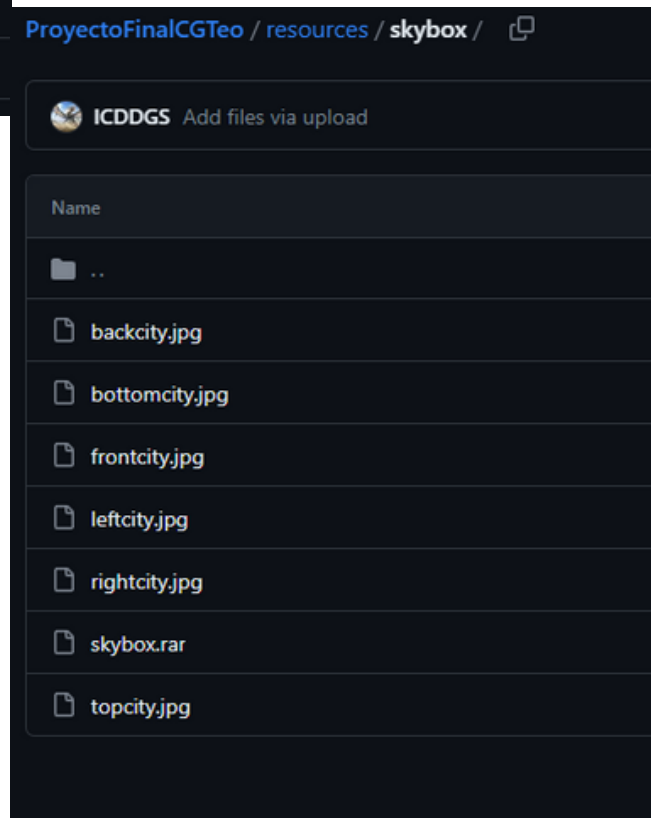
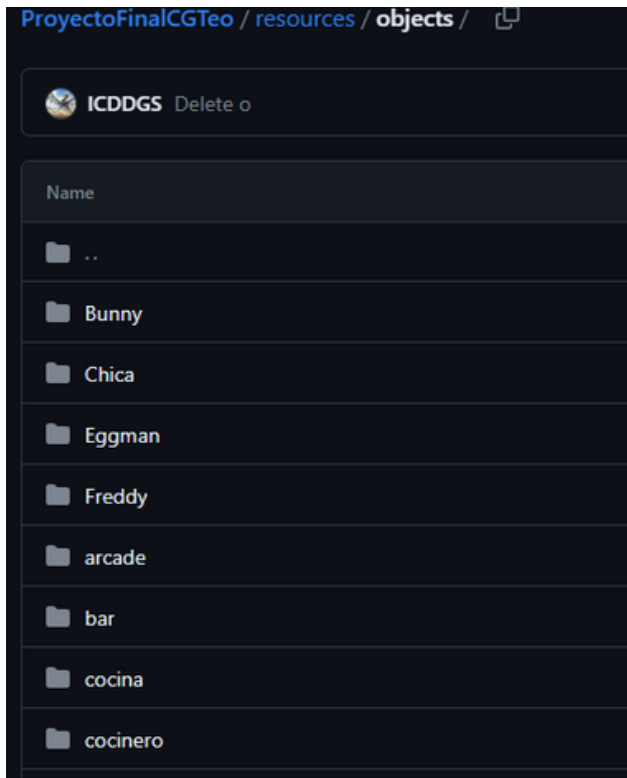
VERSION 5

This is a version that we created for a final review, and it is also the one we used to generate the executable file.

The final version is available on the following GitHub repository:

<https://github.com/ICDDGS/ProyectoFinalCGTeo>

That repository contains all the models used, as well as the images used for textures, such as the skybox and city simulation.



The main elements that were intended to be shared were the resources, the project code, and the audio file.

The different versions that were created can only be found on GitHub.

On Google Drive, you will not find the different versions, but you will find the complete project in a compressed file (RAR), as well as the executable also compressed as a RAR, making it easier for you to download.

Drive

https://drive.google.com/drive/folders/164K4Yw6tps9X7Si-NPhTba26ZY7_rZTG?usp=sharing

Github

<https://github.com/ICDDGS/ProyectoFinalCGTeo/tree/main>