

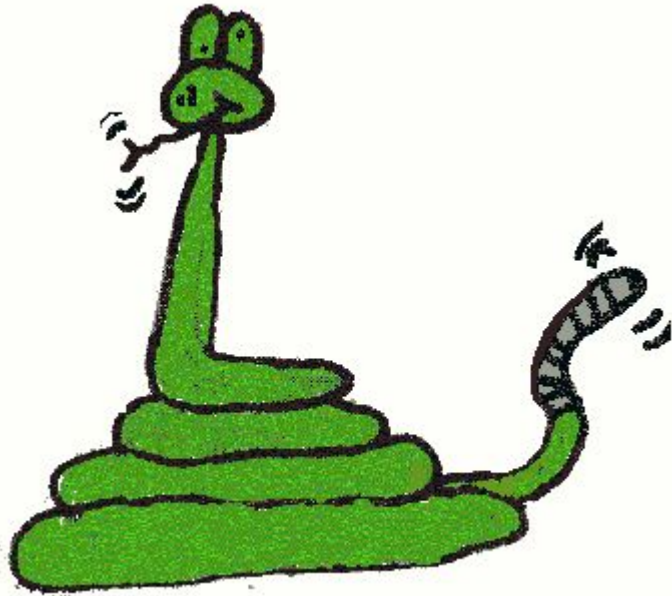
Snake Game Project

Group 15 (CIS 3260):

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David Perez, Ismail Mumin, Evelyn
Raygoza, and Angel Maciel



The Purpose (Tanees)



The main purpose of the project was to create a high quality game to demonstrate our knowledge of Python!



We wanted players to de-stress and reminisce on a childhood game



Targeted towards college aged students since they are in environments of high stress.

Goals (Faizah)

GOALS

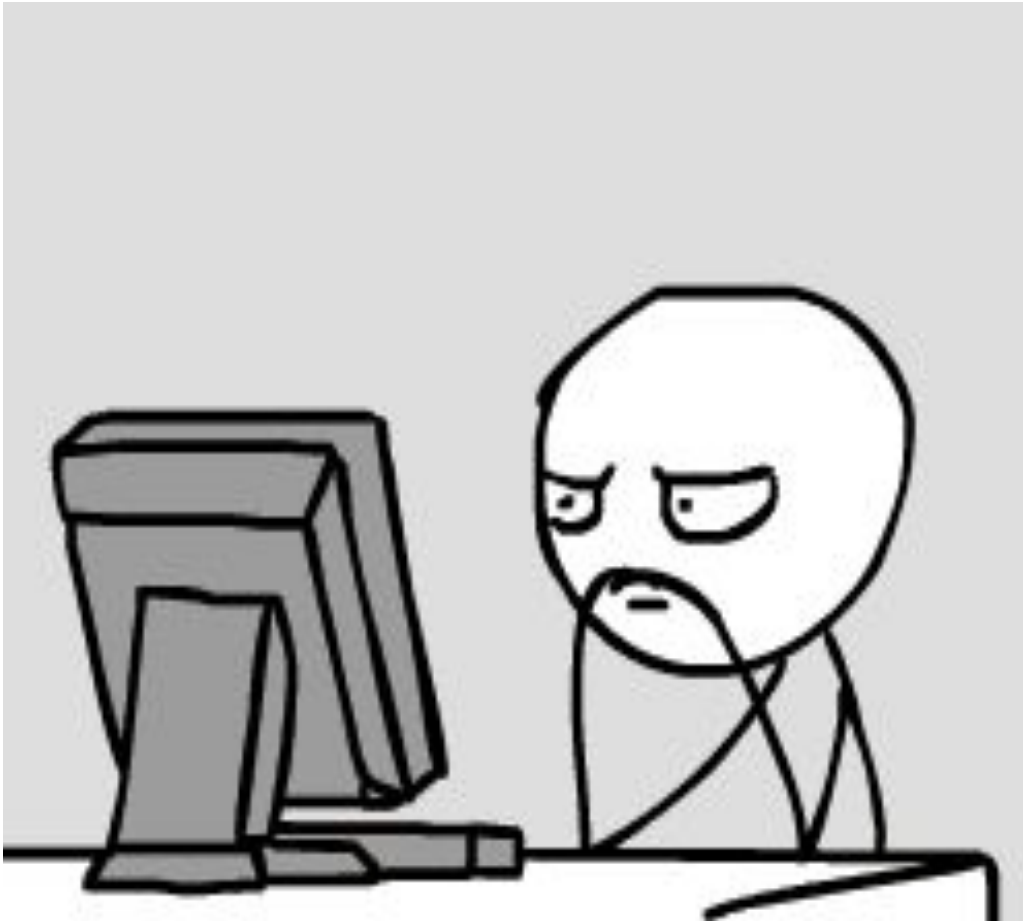


Our goal was to create a playable high quality snake game that everyone could enjoy.



Using Pygame, an outside Python module, was used to create the game and add things like music graphics and much more.

Constraints (Angel)



The main limitations was the time provided for the project



Limited knowledge in Python



A way to effectively communicate between group members.

LET'S GET ETHICAL



The only main issue is probably copyright issues dealing with:



Music Selection



Game Assets



Overall, there were no ethical issues concerning the project.

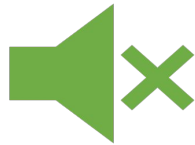
Challenges (Ismail)



Learning and understanding the Python's Pygame module took a while to understand all the classes and objects that came with it.

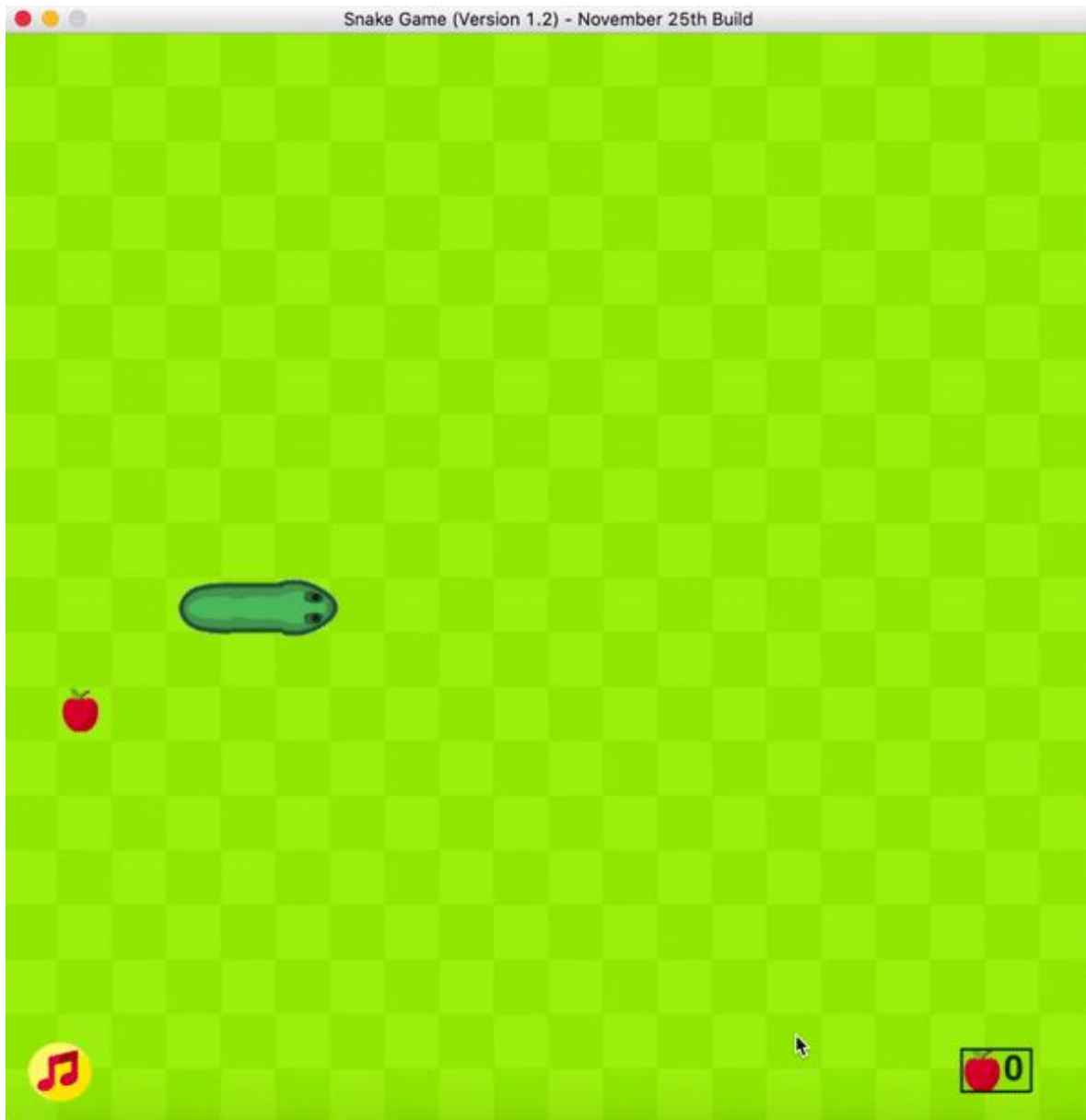


Implementing a high score feature was not implemented, instead we used a running score that resets once the snake dies



Mute button for the game background music took some time to create.

HIGH SCORES		
1	JHU	50,000
2	MRS	49,000
3	JMJ	44,000
4	BAK	40,000
5	RMM	30,000
6	LDR	25,000
7	WHO	20,000
8	JEJ	15,000
9	PJS	10,000
10	ILK	5,000



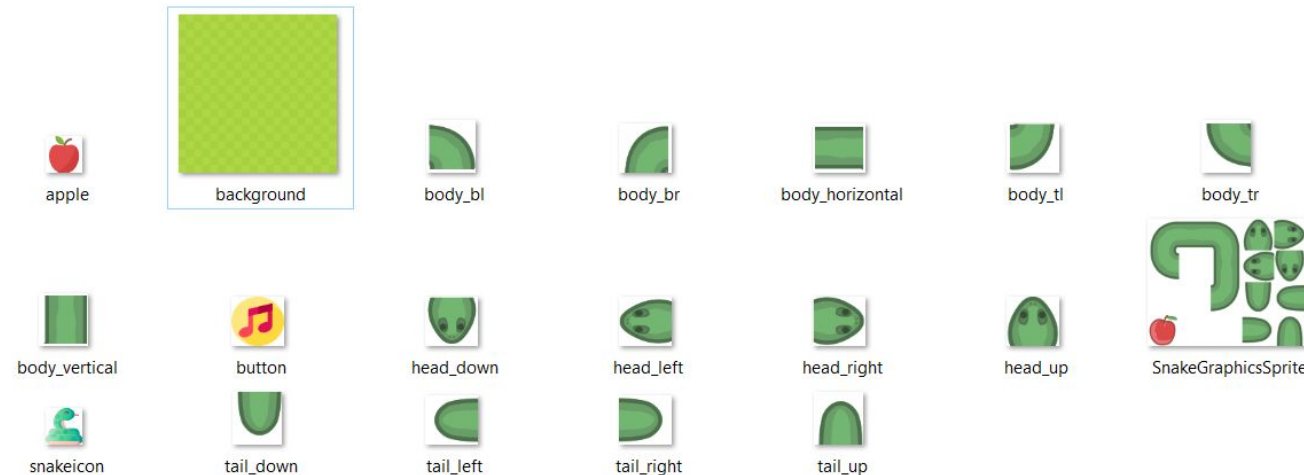
Demo of the Project



What We Learned (Ismail)



- Basics of the Pygame library
 - Implementing the different modules for the sound and graphics of our game
- Logic behind the snake
 - Front & back end concepts
 - A grid is simulated over the display
 - The snake is essentially a list with different positions (blocks)
 - Moving the snake requires updating the blocks in a certain direction and casting the corresponding image asset of the snake to the block
- Python
 - conditionals
 - loops
 - lists
 - tuples
 - functions





Future Work (Dave) 🦴



For our group, we all can collectively agree that this is the end of our project however maybe we might come back.



It was an accomplishment completing this project during these trying times.



Laid the groundwork for future projects.



A fun game to enjoy to de-stress!



Questions?

