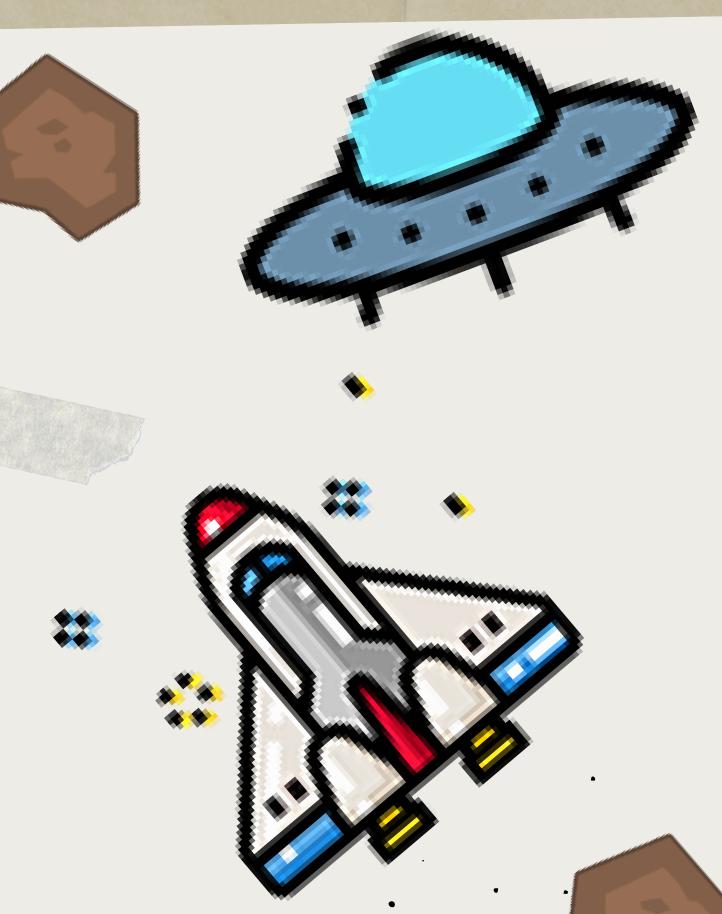




By: Trần Thị Thu Trang - 11208164





INTRODUCTION

General information about SPACE SHOOTER



TECHNOLOGY STACK

Python

Pygame



FEATURES

Ship, movement, Bullet, Enemy



APPROACH

General setup Import separated files

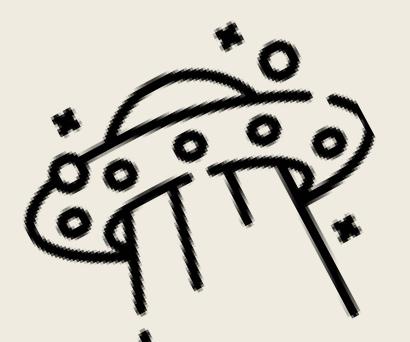
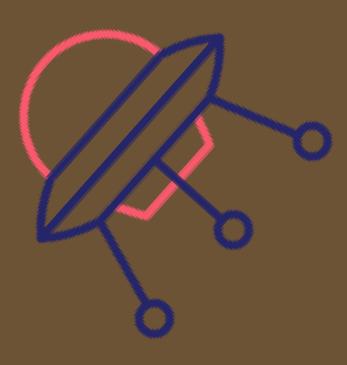


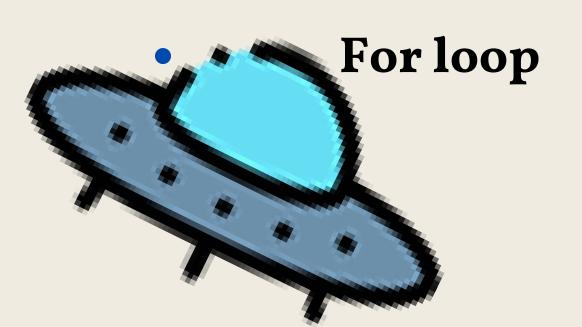
TABLE OF CONTENTS

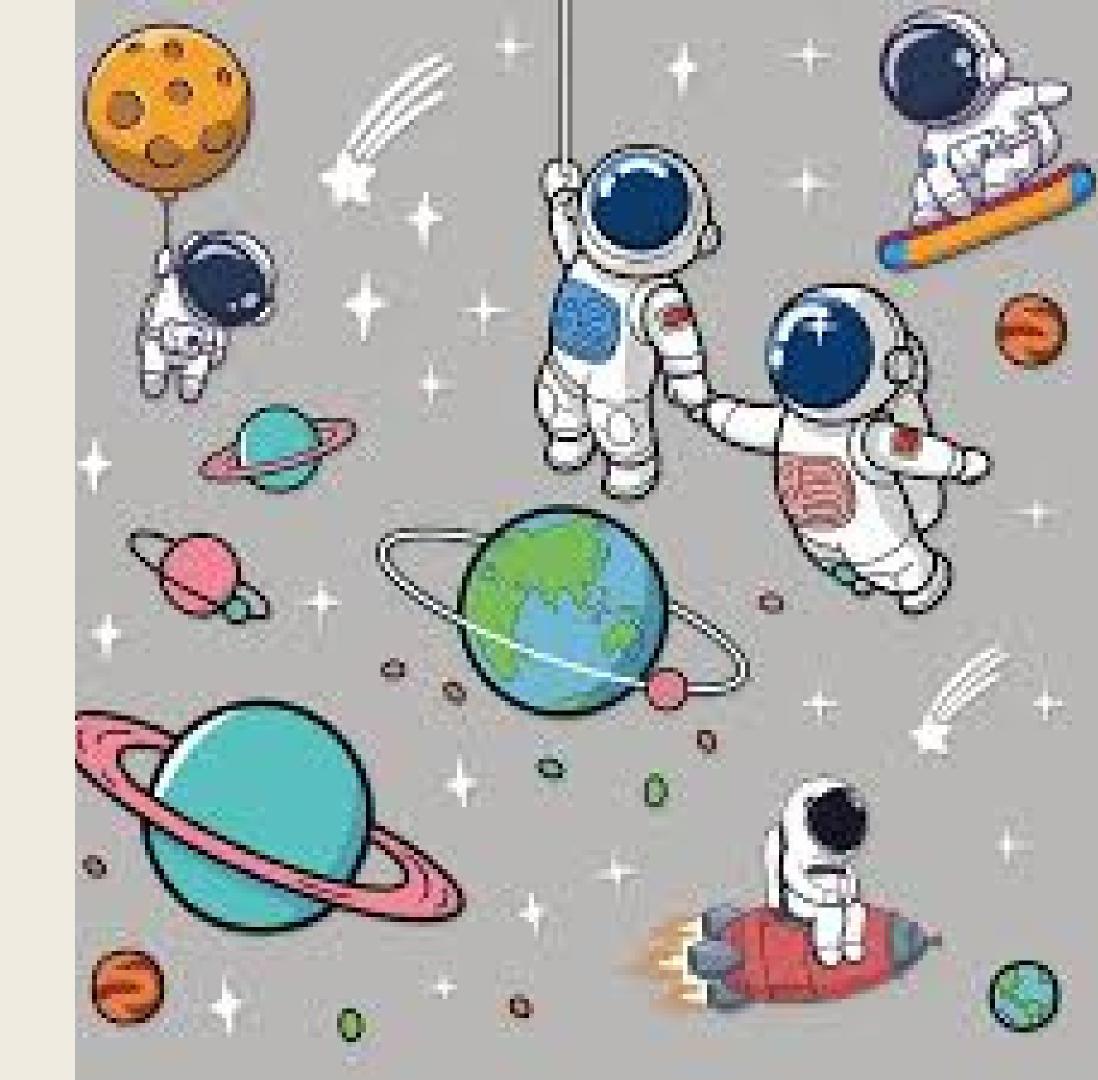




PYTHON

- Variables
- Functions
- Classes







PYGAME



Install

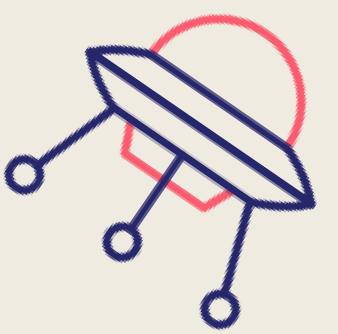
The best way to install pygame is with the pip tool (which is what python uses to install packages). This comes with python in recent versions. We use the -- user flag to tell it to install into the home directory, rather than globally.

Python3 -m pip install -U pygame --user

After installation, you can import pygame

- 1. pygame.display: Configure the display surface pygame.display.set_mode(): Initialize a window or screen for display pygame.display.set_caption(): Set the current window caption pygame.display.set_icon(): Change the system image for the display window
- 2. pygame.event: Manage the incoming events from various input devices and the windowing platform.
- pygame.event.get(): get events from the queue
- 3. pygame.mixer: module contains classes for loading Sound objects and controlling playback pygame.mixer.music.load(filename): load a music file for playback pygame.mixer.music.play(): start the playback of the music stream
- 4. pygame.image.load(): load new image from a file (or file-like object
- 5. pygame.time.get_ticks(): Manage timing and framerate, get the time in milliseconds
- 6. pygame.Rect(left, top, width, height): pygame object for storing rectangular coordinates



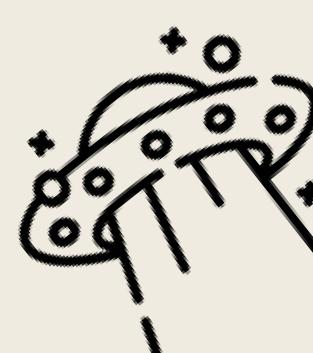




FEATURES

Movement: left, right, up, down

Shoot: space



APPROACH

MENU

'Play' button
'Instruction' button

2 MOVE

Bullet move, enemy move

3 START

Allow users to enter names 'Next' button

4 GAME OVER

- When time's up (80s) or I of characters runs out of energy

- game overs

I.'Instruction' button: Show people how to use our demo game

2. Play' button: If player has the rule of Street Fighter, they can skip

'Instruction' and 'Next'







