GROUP15_CLOUD10

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RETRO SHOOTING GAME

INTRODUCTION

- Background
- Scope and Purpose
 - EntertainmentDriven
 - 8-bits graphic style



MODULES

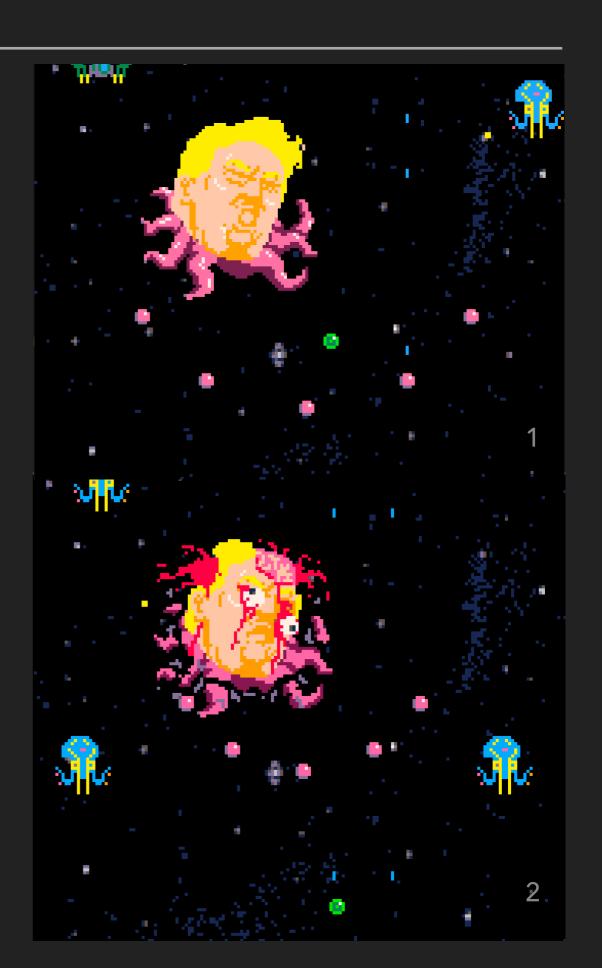
- Modular software design.
 - Boss
 - Smart Bullet
 - Player
 - Gift
 - Music
 - Enemy

BOSS

- Secret: how the boss behaves and
- Features:
 - Boss I features
 - Boss II features

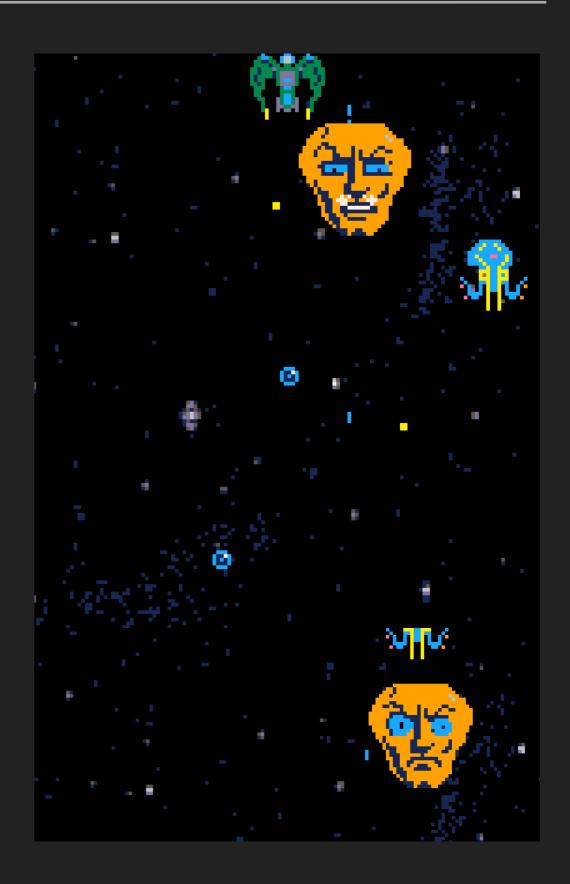
BOSS I FEATURES

- Has one smart bullet and five normal bullets.
- Animation.



BOSS II FEATURES

- Bullets shoot sequentially.
- Animation.



SMART BULLET

- Secret: how the smart bullet behaves.
- Feature: modify its direction according to player's coordinates on the field.

PLAYER

- Secret: how the player behaves and how the state of player changes.
- Features:
 - Two fire modes.



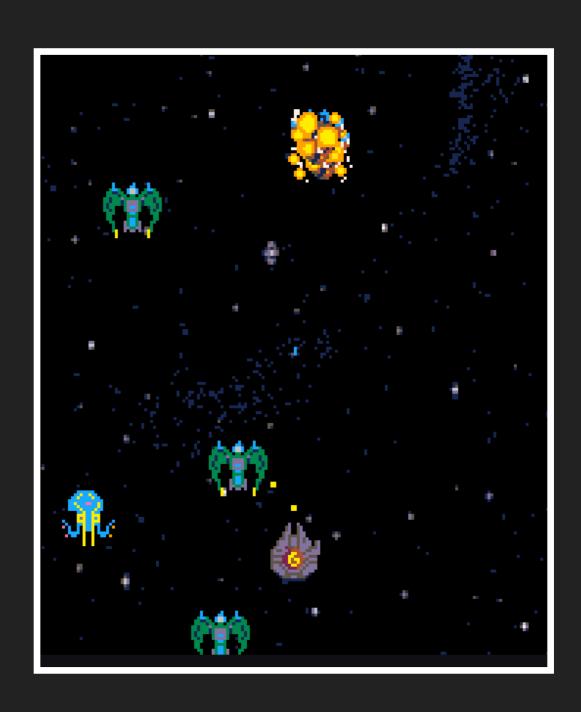
MUSIC

- Secret: how the BGM and sound effects are stored
- Features:
 - stores the melody
 - Sets tone, volume, effect and speed
 - Combine different tracks and Play music

```
pyxel.sound(0).set(
    "e2e2c2g1 g1g1c2e2 d2d2d2g2 g2g2rr" "c2c2a1e1 e1e1a1c2 b1b1b1e2 e2e
    "vffn fnff vffs vfnn",
pyxel.sound(1).set(
    "r a1b1c2 b1b1c2d2 g2g2g2g2 c2c2d2e2" "f2f2f2e2 f2e2d2c2 d2d2d2d2 g
    "nnff vfff vvvv vfff svff vfff vvvv svnn",
pyxel.sound(2).set(
    "c1g1c1g1 c1g1c1g1 b0g1b0g1 b0g1b0g1" "a0e1a0e1 a0e1a0e1 g0d1g0d1 g
    "7",
    "n"
    25,
pyxel.sound(3).set(
    "f0c1f0c1 g0d1g0d1 c1g1c1g1 a0e1a0e1" "f0c1f0c1 f0c1f0c1 g0d1g0d1 g
    "7".
    "n"
    25,
pyxel.sound(4).set(
    "f0ra4r f0ra4r f0ra4r f0f0a4r", "n", "6622 6622 6622 6422", "f", 25
pyxel.sound(5).set(
    "c1d1f1g1a1b1", "t", "66", "n"*4 +"f", 7
```

ENEMY

- Secret: How enemy objects are controlled
- Features:
 - Two types of enemy
 - Animation when destroyed
 - enable/disable collision function



HIGHEST SCORE

- Local txt file called score.txt
- Initialized to 0
- Overwrite if the current score beats the best (highest) score.



SUMMARY

- Key features
 - Pixel styled
 - Animation
- Qualities:
 - Usability
 - Performance
 - Reusability
 - Maintainability
 - Correctness/Reliability

