User manual

How to run game:

1. Open command prompt in directory you have the game
2. Make sure you have python (at least version 3.8.10) and pygame installed
3. Type in you command prompt:
   python3 SpcInv.py

How to play:

Controls:

W, UP_ARROW, SPACE – shoot
A, LEFT_ARROW – move left
D, RIGHT_ARROW – move right

Objective:

Destroy all enemy spaceships by shooting them

Game elements:

You – spaceship at the bottom of the game screen

Your projectiles – white projectiles – are being shot while shoot button is pressed. They can collide with enemy's projectiles, with shields, and with enemies.

If your projectile hit an enemy you get 100 points.

However if your projectile miss any object your score will be reduced by 10.

Enemies – spaceships at the top of the game screen.

Enemies will move to the sides. After reaching a side they will lower themselves and move to the other side. Enemies are moving and shooting faster as there are fewer of them.

Enemy's projectile – red projectile - can collide with you, your projectiles and shields.

If you get hit by enemy's projectile you lose one life and your score will be reduced by 1000 points.

Shields – big static objects at the lower part of the game screen

Shields will intercept projectiles. Each intercept projectile lowers shield health by one point . Each shield starts with 15 health points.

Depending on shield health percentage it will have different colour:
100% - 60% - Green
60% - 30% - Yellow
30% - 0% - Red

With every set period of time your score will be decreased by certain small amount of points – which will increase as the game goes on.

Game ending conditions:

1. All enemies are dead – game is won by you
2. You lose all lifes – game is lost by you
3. At least one enemy is on the same horizontal level as you – game is lost by you

Winning grants 1000 additional points.

You can exit the game by pressing 'X' in top right of game window or by pressing 'ALT' + 'F4' keys on your keyboard.

Good luck at getting your highscore as high as possible