Workshop 15 Mini Sprite Animator

Figure 1

For the Figure 1,2and 3 is a how to do in interface and interact with user in this point is an animation of the alien it not like alien naaa for this task we use alienUnit this one is a object of unit class that contain HashMap to collect the data in this time and this task you not provide me keypressed() == p but I write it already I use a alienUnit.theattribute name animations and then .get() because this one is a map if we want to use value I need to call method get and put the KeyIndex and then call method that from AnimatedSprite to stop or play(see in Figure 3) it again and another It a same concept use alienUnit to do

```
"\nPress 'f' to Follow Mouse", 20, 20);

if ( isFollowingMouse )

{// add the velocity/acceleration built-up

alienUnit.moveToward( mouseX, mouseY, 10);

}

// update will apply the built-up force to

// the location of the unit

alienUnit.update();

alienUnit.checkEdge();

alienUnit.render();

// void keyPressed() {

if (key = '=') { // Trap

alienUnit.isMoving = true;

}

if (key = '-') {

fps--;

if (fps < 0) fps = 0;

alienUnit.setFPS( fps );

}

if (key = '+') {

fps++;

alienUnit.setFPS( fps );

}

// try to fallow mouse

isFollowingMouse = !isFollowingMouse;</pre>
```

Figure 2

```
isFollowingMouse = !isFollowingMouse;

if (key = 'p') {
    // try to follow mouse
    isAnimated = !isAnimated;
    if(isAnimated){
        alienUnit.animations.get("Walk").stopPlay();
        alienUnit.animations.get("Idle").stopPlay();
    }else{
        alienUnit.animations.get("Walk").playLoop();
        alienUnit.animations.get("Idle").playLoop();
        alienUnit.animations.get("Idle").playLoop();
    }
}
```

Figure 3

Class AnimatedSprite is a class that contain anything that can do a animation in this time we use to get path of a alien and use it in Class Unit in Hashmap attribute that have generic type is class AnimatedSprite

Class Unit it like a controller class to control to interact with GUI and do with class AnimatedSprite