**Cleaned up the setDown method so it is easier to read in the Mob class and also called the direction method from the setLeft method.**

**package** sonar.gamestates.states.levels.stages.entities.animations.mobs;

**import** sonar.gamestates.Screen;

**import** sonar.gamestates.states.levels.stages.entities.Entity;

**import** sonar.gamestates.states.levels.stages.entities.Sprite;

**import** sonar.gamestates.states.levels.stages.entities.animations.DynamicAnimation;

**public** **abstract** **class** Mob **extends** Entity

{

**private** MobBuilder buildMob;

**private** DynamicAnimation curAnim;

Mob(MobBuilder buildMob)

{

**super**("Mob");

**this**.buildMob = buildMob;

}

**abstract** **void** update();

**public** **void** render(Screen screen){screen.render(**this**, getX(), getY(), getWidth(), getHeight());}

**public** **int** getX(){**return** buildMob.getX();}

**public** **int** getY(){**return** buildMob.getY();}

**public** Sprite getSprite(){**return** curAnim.getSprite();}

**public** **int** getWidth(){**return** curAnim.getSprite().getWidth();}

**public** **int** getHeight(){**return** curAnim.getSprite().getHeight();}

String getMobType(){**return** buildMob.getType();}

**void** setCurAnim(DynamicAnimation curAnim){**this**.curAnim = curAnim;}

DynamicAnimation getCurAnim(){**return** curAnim;}

MobBuilder getBuildMob(){**return** buildMob;}

**private** DynamicAnimation direction(DynamicAnimation animation, String direction, String methodType)

{

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

**if**(methodType.equals("Set"))

{

**switch**(direction)

{

**case** "Left": character.setLeft(animation);

**case** "Right": character.setRight(animation);

**case** "Up": character.setUp(animation);

**case** "Down": character.setDown(animation);

}

animation = **null**;

}

**else**

{

**switch**(direction)

{

**case** "Left": animation = character.getLeft();

**case** "Right": animation = character.getRight();

**case** "Up": animation = character.getUp();

**case** "Down": animation = character.getDown();

}

}

}

**return** animation;

}

**void** setUp(DynamicAnimation animation){direction(animation, "Up", "Set");}

**void** setDown(DynamicAnimation animation){direction(animation, "Down", "Set");}

**void** setLeft(DynamicAnimation animation)

{

direction(animation, "Left", "Set");

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

character.setLeft(animation);

}

}

**void** setRight(DynamicAnimation animation)

{

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

character.setRight(animation);

}

}

**void** setPlayer(**boolean** value)

{

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

character.setPlayer(value);

}

}

DynamicAnimation getUp()

{

DynamicAnimation animation = **null**;

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

animation = character.getUp();

}

**return** animation;

}

DynamicAnimation getDown()

{

DynamicAnimation animation = **null**;

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

animation = character.getDown();

}

**return** animation;

}

DynamicAnimation getLeft()

{

DynamicAnimation animation = **null**;

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

animation = character.getLeft();

}

**return** animation;

}

DynamicAnimation getRight()

{

DynamicAnimation animation = **null**;

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

animation = character.getRight();

}

**return** animation;

}

**boolean** getPlayer()

{

**boolean** value = **false**;

**if**(buildMob.getType().equals("Character"))

{

CharacterMobBuilder character = (CharacterMobBuilder) buildMob;

value = character.getPlayer();

}

**return** value;

}

}