**Changed a to be public and combined up and down actions together.**

**package** sonar.gamestates;

**import** java.awt.event.KeyAdapter;

**import** java.awt.event.KeyEvent;

**public** **class** Keyboard **extends** KeyAdapter

{

//Keyboard is what the user uses to navigate the gameworld.

**private** **boolean**[] keys = **new** **boolean**[120];

**public** **boolean** up, down;

**private** **boolean** left;

**private** **boolean** right;

**private** **boolean** start;

**public** **boolean** a;

**private** **boolean** b;

Keyboard(GSM gsm)

{

gsm.getGame().addKeyListener(**this**);

}

**void** update()

{

up = keys[KeyEvent.***VK\_UP***];

down = keys[KeyEvent.***VK\_DOWN***];

left = keys[KeyEvent.***VK\_LEFT***];

right = keys[KeyEvent.***VK\_RIGHT***];

start = keys[KeyEvent.***VK\_SPACE***];

a = keys[KeyEvent.***VK\_A***];

b = keys[KeyEvent.***VK\_S***];

**if**(up && down)

{

up = **false**;

down = **false**;

}

**if**(left && right)

{

left = **false**;

right = **false**;

}

}

**public** **void** keyPressed(KeyEvent e)

{

keys[e.getKeyCode()] = **true**;

}

**public** **void** keyReleased(KeyEvent e)

{

keys[e.getKeyCode()] = **false**;

}

}