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View Javadoc
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package view;
import java.awt.Color;
import java.awt.Graphics;
import java.awt.Graphics2D;
import java.awt.Image;
import java.io.IOException;
import java.util.Observable;
import java.util.Observer;
import javax.imageio.ImageIO;
import javax.swing.JPanel;
import contract.IElement;
import contract.IModel;
  * The Class ViewPanel.
  * @author Group 5
class ViewPanel extends JPanel implements Observer {
         /** The view frame. */
        private ViewFrame
                                                                                           viewFrame;
         /** The Constant serialVersionUID. */
        private static final long
                                                                         serialVersionUID
                                                                                                                           = -998294702363713521L;
          ^{\prime **} the background icon. ^{*\prime}
        private Image icoFond;
         /stst the background image. st/
        private Image imgFond;
         /** the model. */
        private <u>IModel</u> model;
          * Instantiates a new view panel.
              @param viewFrame
                                the view frame
        public ViewPanel(final ViewFrame viewFrame) {
                        this.setViewFrame(viewFrame);
viewFrame.getModel().getLevelMap().getObservable().addObserver(this);
                                         icoFond = ImageIO.read(getClass().getClassLoader().getResourceAsStream("images/Background.png"));
                         this.imgFond = this.icoFond;
                         this.model = this.viewFrame.getModel();
           * Gets the view frame.
              @return the view frame
        private ViewFrame getViewFrame() {
                         return this.viewFrame;
           * Sets the view frame.
              @param viewFrame
                                 the new view frame
        private void setViewFrame(final ViewFrame viewFrame) {
                         this.viewFrame = viewFrame;
           * (non-Javadoc)
           * @see java.util.Observer#update(java.util.Observable, java.lang.Object)
        public void update(final Observable arg0, final Object arg1) {
                         this.repaint();
           * (non-Javadoc)
              @see javax.swing.JComponent#paintComponent(java.awt.Graphics)
        protected void paintComponent(final Graphics graphics) {
                         {\tt graphics.clearRect(0, 0, this.getWidth(), this.getHeight());}
                         graphics.drawImage(imgFond, 0, 0, null);
                         Graphics2D g = (Graphics2D)graphics;
                         g.scale(2, 2);
g.translate(-this.model.getLevelMap().getPlayer().getX()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getLevelMap().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getY()*16+5*16, -this.getViewFrame().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getPlayer().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().getModel().
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