View Javadoc

```
package model.element.motionless;
345678911121345617892212234556782933323345363783944424344564784955152555555566666666782777777777878818283858888991
    import java.awt.Image;
    import java.io.IOException;
    import javax.imageio.ImageIO;
     import contract.ElementType;
     import contract.IElement;
     import contract.ILevelMap
     import model.element.LevelMap;
     * The Class Diamond.
      * @author Group 5
    public class Exit implements IElement {
          /** The score */
         private int score = 0;
         /** The exist boolean */
         private boolean exist = true;
         /** The elementType */
         private ElementType elementType = ElementType.EXIT;
         /** The x */
         private int x;
          /** The y */
         private int y;
         /** The Levelmap */
         private <u>ILevelMap</u> levelmap;
         /** The image */
         private static Image image;
         /** The imageName */
         private String imageName = "trapdoor";
          * constructor to build and place Exit
          * @param x
                           The x.
          * @param y
                           The y.
            @param levelMap
                           The LevelMap.
         public Exit(final int x, final int y, LevelMap levelMap) {
                  this.setX(x);
                  this.setY(y);
                  this.setImageName(imageName);
                  this.loadImage();
                  this.setLevelmap(levelMap);
         }
          * Get x position of Exit
          * @return x
         @Override
         public int getX() {
                  return this.x;
         }
          * Set x position of Exit
          * @param x
                           The x.
         @Override
         public void setX(int x) {
                  this.x = x;
         }
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* Get y position of Exit
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           * @return y
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          @Override
          public int getY() {
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                    return this.y;
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          * Set y position of Exit
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<u> 106</u>
           * @param y
<u> 107</u>
                              The y.
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          @Override
          public void setY(int y) {
                   this.y = y;
           * Move up the player when up key are pressed
          @Override
         public void moveUp() {
                    this.setY(this.getY() - 1);
                    this.levelmap.setElement(this.getX(), this.getY(), this);
                    this.levelmap.removeElement(getX(), getY()+1);
          * Move down the player when down key are pressed
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          @Override
<u> 135</u>
          public void moveDown() {
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                    this.setY(this.getY() + 1);
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                    this.levelmap.setElement(this.getX(), this.getY(), this);
<u>139</u>
                    this.levelmap.removeElement(getX(), getY()-1);
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<u> 142</u>
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          * Move left the player when left key are pressed
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<u>146</u>
          @Override
147
          public void moveLeft() {
<u>148</u>
                   this.setX(this.getX() - 1);
<u>149</u>
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                    this.levelmap.setElement(this.getX(), this.getY(), this);
                    this.levelmap.removeElement(getX()+1, getY());
          }
          * Move right the player when right key are pressed
          @Override
         public void moveRight() {
                   this.setX(this.getX() + 1);
                    this.levelmap.setElement(this.getX(), this.getY(), this);
                   this.levelmap.removeElement(getX()-1, getY());
          }
          * do nothing the player when player don't move
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          @Override
         public void doNothing() {
                   this.setY(this.getY());
                    this.levelmap.setElement(this.getX(), this.getY(), this);
          }
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          * Get image of Exit
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           * @return image
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          @Override
          public Image getImage() {
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                     return Exit.image;
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          }
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           * Set image of Exit
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            * @param image
                                          The image.
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          @Override
          public void setImage(Image image) {
                     Exit.image = image;
          }
           * Load image of Exit
           */
          @Override
          public void loadImage() {
                     Image img = null;
                     try {
                                img = ImageIO.read(getClass().getClassLoader().getResourceAsStream("images/" + this.getImageName() + ".png"));
                     catch(IOException e) {
                                e.printStackTrace();
                     this.setImage(img);
          }
           * Get image name of Exit
            * @return imgaName
           */
          @Override
          public String getImageName() {
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                     return this.imageName;
           * Set image name of Exit
            * @param imageName
                                                     The image name.
          @Override
          public void setImageName(String imageName) {
                     this.imageName = imageName;
           * check existing of Exit
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            * @return exist
          @Override
          public boolean isExist() {
                     return this.exist;
          }
           * set exist verification of Exit
           * @param exist
                                          The exist state.
          @Override
          public void setExist(boolean exist) {
                     this.exist = exist;
           * Get level
           * @return level map
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          public ILevelMap getLevelmap() {
                     return levelmap;
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```

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            * Set level
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            * @param levelmap
                                           The Levelmap
          public void setLevelmap(<u>ILevelMap</u> levelmap) {
                     this.levelmap = levelmap;
           * Get score of collected diamond
            * @return score
            */
          @Override
          public int getScore() {
                     return score;
           * Set score of collected diamond
            * @param score
                                           The score.
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          @Override
          public void setScore(int score) {
                     this.score = score;
           * Get element type of diamond
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335 }
            * @return element type
          @Override
          public ElementType getElementType() {
                     return elementType;
           * Set element type of diamond
            * @param elementType
                                                      The element Type.
           @Override
          public void setElementType(<u>ElementType</u> elementType) {
                     this.elementType = elementType;
```

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