03/06/2019 LevelMap xref

View Javadoc

```
package model.element;
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    import java.util.Observable;
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    import contract.IElement;
    import contract.ILevelMap;
    import entity.Level;
    import model.element.mobile.*;
    import model.element.motionless.*;
     * The Class Model.
<u>14</u>
       @author Group 5
<u>15</u>
public class LevelMap extends Observable implements ILevelMap {
         /** The levelmap; */
         private <u>IElement[][]</u> levelmap = new <u>IElement[40][22];</u>
          * Instantiates a new LevelMap.
            @param Level
                                   The Level.
          */
         public LevelMap(Level level) {
                 for(int x=0; x<40; x++) {</pre>
                          for(int y=0; y<22; y++) {</pre>
                                   String E = level.getElement(x, y);
                                   switch(E) {
                                   case "B":
                                            this.setElement(x, y, new UnbreakableBlock(x, y, this));
                                   case "C":
                                            this.setElement(x, y, new Block(x, y, this));
                                            break;
                                   case "R":
                                            this.setElement(x, y, new Rock(x, y, this));
                                   case "E":
                                            this.setElement(x, y, new Enemy(x, y, this));
                                            break;
                                   case "S":
                                            this.setElement(x, y, new Exit(x, y, this));
                                   case "P":
                                            this.setElement(x, y, new Player(x, y, this));
                                   case "D":
                                            this.setElement(x, y, new Diamond(x, y, this));
                                   default :
                                            this.setElement(x, y, null);
                                   }
                          }
                 }
         }
```

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<u>67</u>
             (non-Javadoc)
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             @see contract.ILevelMap#getPlayer()
          @Override
          public IElement getPlayer() {
                    for(int x=0; x<40; x++) {</pre>
                              for(int y=0; y<22; y++) {</pre>
                                        IElement element = this.getElement(x, y);
                                        if(element instanceof Player) {
                                                  return element;
                                        }
                              }
                    }
                    return null;
          }
              (non-Javadoc)
             @see contract.ILevelMap#getElement()
          @Override
          public IElement getElement(int x, int y) {
                    return this.levelmap[x][y];
          }
              (non-Javadoc)
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             @see contract.ILevelMap#setElement()
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          @Override
105
          public void setElement(int x, int y, IElement element) {
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                    this.levelmap[x][y] = element;
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                    this.setChanged();
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                    this.notifyObservers();
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          }
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             (non-Javadoc)
           * @see contract.ILevelMap#removeElement()
          @Override
          public void removeElement(int x, int y) {
                    this.setElement(x, y, null);
          }
             (non-Javadoc)
           * @see contract.ILevelMap#getObservable()
          public Observable getObservable() {
                    return this;
          }
             (non-Javadoc)
133
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             @see contract.ILevelMap#popDiamond()
```

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