```
View Javadoc
            package model.element.mobile;
\frac{3}{4} \frac{4}{5} \frac{6}{5} \frac{7}{8} \frac{9}{9} \frac{11}{12} \frac{
            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 Enemy.
               * @author Group 5
           public class Enemy implements IElement {
                          /** The score */
                       private int score = 0;
                        /** The exist boolean */
                       private boolean exist = true;
                        /** The elementType */
                       private ElementType elementType = ElementType.ENEMY;
                        /** The x */
                       private int x;
                        /** The y */
                       private int y;
                        /** The Levelmap */
                       private <u>ILevelMap</u> levelmap;
                        /** The image */
                       private static Image image;
                        /** The image up */
                       private String imageNameUp = "BatMonteArret";
                        /** The image down */
                       private String imageNameDown = "BatDescendArret";
                       /** The image right */
                       private String imageNameRight = "BatDroiteArret";
                       /** The image Left */
                       private String imageNameLeft = "BatGaucheArret";
                       /** The imageName */
                       private String imageName;
                          * constructor to build and place enemy
                          * @param x
                                                                     The x.
                          * @param y
                                                                     The y.
                               @param LevelMap
                                                                     The LevelMap.
                       public Enemy(final int x, final int y, LevelMap levelMap) {
                                              this.setX(x);
                                              this.setY(y);
                                              this.setImageName(imageNameDown);
                                              this.loadImage();
                                              this.setLevelmap(levelMap);
                          * Get x position of Enemy
                          * @return x
                       @Override
                       public int getX() {
                                              return this.x;
                        }
                          * Set x position of Enemy
                           * @param x
 91
```

```
93
          @Override
94
95
96
97
98
99
         public void setX(int x) {
                   this.x = x;
          * Get y position of Enemy
102
103
           * @return y
104
105
106
107
          @Override
          public int getY() {
                   return this.y;
108
110
1110
1112
113
114
115
116
117
120
121
122
123
124
125
126
127
128
129
131
131
132
133
134
135
136
137
138
         }
           * Set y position of Enemy
           * @param y
                             The v.
         @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.setImageName(imageNameUp);
                   this.loadImage();
                    this.levelmap.setElement(this.getX(), this.getY(), this);
                    this.levelmap.removeElement(getX(), getY()+1);
          * Move down the player when down key are pressed
139
140
          @Override
141
          public void moveDown() {
<u>142</u>
                   this.setY(this.getY() + 1);
143
144
                   this.setImageName(imageNameDown);
                    this.loadImage();
145
<u>146</u>
                    this.levelmap.setElement(this.getX(), this.getY(), this);
<u>147</u>
                   this.levelmap.removeElement(getX(), getY()-1);
<u>148</u>
          }
<u>149</u>
150
151
152
153
154
155
156
157
158
160
161
162
163
164
165
167
168
170
171
172
173
174
175
176
177
178
179
          * Move left the player when left key are pressed
         @Override
         public void moveLeft() {
                   this.setX(this.getX() - 1);
                   this.setImageName(imageNameLeft);
                   this.loadImage();
                   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.setImageName(imageNameRight);
                    this.loadImage();
                    this.levelmap.setElement(this.getX(), this.getY(), this);
                   this.levelmap.removeElement(getX()-1, getY());
          }
          * do nothing the player when player don't move
          @Override
180
          public void doNothing() {
181
                   this.setY(this.getY());
                    this.setImageName(imageNameDown);
<u>183</u>
                   this.loadImage();
```

276

277

* @return level map

```
public ILevelMap getLevelmap() {
279
                     return levelmap;
280
281
282
283
284
285
286
287
290
290
291
291
292
293
294
295
296
297
298
300
301
302
303
304
305
306
           * Set level
           * @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.
307
308
309
310
311
312
313
314
315
316
317
320
321
322
323
324
325
326
327
328
329
329
330
331
          @Override
          public void setScore(int score) {
                    this.score = score;
           * Get element type of Enemy
           * @return element type
          @Override
          public ElementType getElementType() {
                     return elementType;
           * Set element type of Enemy
           * @param elementType
                                                    The element Type.
          @Override
          public void setElementType(ElementType elementType) {
                     this.elementType = elementType;
<u>332</u>
333
334 }
```

Copyright © 2019. All rights reserved.