遊戲程式設計_精靈寶可夢

一. 寶可夢卡牌角色、設定

【原本玩家擁有的寶可夢】

1. 皮卡丘

屬性:電

HP:3

攻擊:4

防禦:3

速度:6



屬性:一般

HP:4

攻擊:4

防禦:3

速度:4



屬性:妖精

HP:5

攻擊:2

防禦:1

速度:1

4. 基拉祈

屬性:超能力

HP:6

攻擊:6

防禦:6

速度:6









【地圖上待收服寶可夢】

1. 耿鬼

屬性:毒

HP:4

攻擊:4

防禦:4

速度:7

(弱點:超能力-基拉祈)



2. 妙蛙種子

屬性:草

HP:3

攻擊:3

防禦:3

速度:3

(弱點:毒-耿鬼、火-小火龍)



3. 可達鴨

屬性:水

HP:3

攻擊:4

防禦:3

速度:4

(弱點:電-皮卡丘、草-妙蛙種子)



4. 小火龍

屬性:火

HP:3

攻擊:4

防禦:3

速度:4

(弱點:水-可達鴨)



*註:弱點的依據為官方提供的相剋屬性表

二. 遊戲中用到圖片

● 街道地圖背景



● 戰鬥背景



● 地圖介面相關圖示

地圖背包圖示	背包內的精靈球圖片
北國內已興八	2019月基外唱月
地圖卡牌圖示	卡包中卡牌圖片
POR EAST	以皮卡丘為例 使用該卡片版型·加上上方神奇寶貝圖 示·所製成用在遊戲中的卡牌
地圖探險問號圖示	
3	

*註:其他寶可夢卡牌



● 相關提示圖示

成功收服圖示	未能收服圖示
撿到寶貝球圖示	已沒有寶貝球圖示

三. 遊戲流程/玩法

- 滑鼠點擊地圖上背包圖示,查看背包內的精靈球
- 滑鼠點擊地圖上卡牌圖示,查看卡包內的精靈卡牌
- 滑鼠點擊問號圖示,可以進入路上遇到精靈模式或撿到寶貝球模式
 - ◇ 路上遇到精靈模式
 - 選擇戰鬥:根據雙方屬性扣除不同血量→玩家贏:對話框提示可以收服→玩家收服→ 選擇背包,跳出背包視窗,點擊精靈球→跳出收服成功提示框、回主畫面、跳出最新卡 包視窗
 - ◆ 選擇精靈:跳出卡包視窗 → 玩家選擇精靈 → 戰鬥視窗更新完畢
 - 選擇背包:用血量判斷是否收服
 - → 能收服:跳出背包視窗,點擊精靈球 → 跳出收服成功提示框、回主畫面、 跳出最新卡包視窗
 - → 不能收服:跳出未能收服視窗
 - ◆ 選擇逃跑:回到主地圖
 - ◇ 路上遇到精靈模式:

未撿到過:跳出撿到寶貝球提示視窗、跳出最新背包狀況、跳出最新地圖狀況

已撿到:跳出已經沒有寶貝球提示視窗

● Map.java (地圖視窗,由該檔案執行整個遊戲)

```
1 import java.awt.event.ActionEvent;
 2 import java.awt.event.ActionListener;
 4 import javax.swing.ImageIcon;
 5 import javax.swing.JButton;
 6 import javax.swing.JFrame;
 7 import javax.swing.JLabel;
 8 import javax.swing.JPanel;
 9 import javax.swing.SwingUtilities;
10
11 public class map extends JFrame implements ActionListener{
12
13
       // 設置關卡按鈕
14
       JButton[] jb = new JButton[7];
15
       JButton backpack jb, card jb;
16
17
       // 設置圖示路徑
       String backpack path = "images/backpack.jpg";
18
19
       ImageIcon bp icon = new ImageIcon(backpack path);
20
       String card_path = "images/card.png";
21
22
       ImageIcon card icon = new ImageIcon(card path);
23
       String question path = "images/question.jpg";
24
25
       ImageIcon question_icon = new ImageIcon(question_path);
26
27
       // 卡牌參數, w耿鬼、x妙蛙種子、y可達鴨、z小火龍
       public int w , x , y , z ;
28
29
       // 寶貝球參數
       int n , m , l , ballnum ;
30
       public map(int g,int p,int j,int c, int q, int r, int s, int bn) {
33⊜
34
          super("精靈寶可夢");
35
36
          setSize(650, 615);
37
          setLocation(200, 50);
38
39
          // 背景設置
          String path = "images/map.png";
40
41
          ImageIcon background = new ImageIcon(path);
42
          JLabel label = new JLabel(background);
43
          label.setBounds(0, 0, this.getWidth(), this.getHeight());
          JPanel imagePanel = (JPanel) this.getContentPane();
44
45
          imagePanel.setOpaque(false);
          this.getLayeredPane().add(label, new Integer(Integer.MIN_VALUE));
46
47
          setVisible(true);
          setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
48
49
          imagePanel.setLayout(null);
50
51
          // 將傳入的參數進行存取
52
          W = g;
53
          x = p;
54
          y = j;
55
          z = c;
56
57
          n = q;
58
          m = r;
59
          1 = s;
60
          ballnum = bn;
```

```
92
                                                        // 背包按鈕
           // 遇到精靈按鈕
62
                                             93
                                                        backpack jb = new JButton();
63
           jb[0] = new JButton();
                                             94
                                                        backpack jb.setBounds(465, 517, 60, 60);
64
           jb[0].setIcon(question icon);
                                             95
                                                        backpack jb.setIcon(bp icon);
65
           jb[0].setBounds(115,320,30,30);
                                             96
                                                        backpack jb.addActionListener(this);
66
                                             97
                                                        backpack_jb.setVisible(true);
67
                                             98
           jb[1] = new JButton();
68
                                                        // 看自己有多少卡牌按鈕
                                             99
69
           jb[1].setIcon(question_icon);
                                                        card_jb = new JButton();
                                            100
70
           jb[1].setBounds(115,225,30,30);
                                                        card_jb.setBounds(550, 517, 60, 60);
71
                                            101
                                                        card_jb.setIcon(card_icon);
72
           jb[2] = new JButton();
                                            102
                                            103
                                                        card_jb.addActionListener(this);
73
           jb[2].setIcon(question_icon);
                                           104
                                                        card_jb.setVisible(true);
74
           jb[2].setBounds(178,117,30,30);
                                            105
75
                                            106
                                                        // 按鈕放到地圖Panel上
           jb[3] = new JButton();
76
                                            107
                                                        imagePanel.add(backpack_jb);
77
           jb[3].setIcon(question icon);
                                            108
                                                        imagePanel.add(card jb);
78
           jb[3].setBounds(346,95,30,30);
                                            109
79
                                                        for(int i=0; i<jb.length; i++) {</pre>
                                            110
80
           jb[4] = new JButton();
                                                            imagePanel.add(jb[i]);
           jb[4].setIcon(question icon);
                                           111
81
                                           112
                                                            jb[i].addActionListener(this);
82
           jb[4].setBounds(485,196,30,30);
                                            113
                                                            jb[i].setVisible(true);
83
                                                        }
84
           ib[5] = new JButton();
                                            114
                                                    }
85
           jb[5].setIcon(question icon);
                                           115
86
           jb[5].setBounds(386,259,30,30);
                                           116
87
                                            1179
                                                    public static void main(String[] args) {
           jb[6] = new JButton();
                                           118
                                                        map mp = new map(0, 0, 0, 0, 0, 0, 0);
88
           jb[6].setIcon(question_icon);
                                           119
89
90
           jb[6].setBounds(539,376,30,30);
                                           120
121⊖
             @Override
             public void actionPerformed(ActionEvent evt) {
122
                  JButton source_jb =(JButton)evt.getSource();
123
124
125
                  if(source_jb == backpack_jb) {
126
                       System.out.println("包包");
127
                       // 跳出包包查看精靈球
                       new backpack_map(ballnum);
128
129
                  }
130
                  else if(source_jb == card_jb) {
131
132
                       System.out.println("精靈卡");
133
                       //跳出卡包查看精靈卡
134
                       new card(w,x,y,z);
135
                  }
136
137
                  // 遇到精靈行戰鬥
                  // 0耿鬼、2妙蛙種子、4可達鴨、6小火龍
138
                  else if(source_jb == jb[0]) {
139
140
                       battle <u>bt</u> = new battle(1,w,x,y,z, n, m ,l, ballnum);
                  }
141
142
143
                  else if(source jb == jb[2]) {
144
                       battle_2 <u>bt</u> = new battle_2(1,w,x,y,z, n, m ,l, ballnum);
145
                  }
146
                  else if(source_jb == jb[4]) {
147
148
                       battle_4 bt = new battle_4(1,w,x,y,z, n, m ,l, ballnum);
149
                  }
```

```
151
                else if(source_jb == jb[6]) {
152
                    battle_6 bt = new battle_6(1,w,x,y,z, n, m ,1, ballnum);
153
154
                // 撿到寶貝球
155
                // n, m, 1值進行是否撿到球判斷, 0未撿到、1已撿到
156
157
                else if(source_jb == jb[1]) {
158
                    if(n == 0) {
159
                        n = 1;
160
                        new getball(w, x, y ,z, n, m, 1, ballnum);
161
                    }else if(n == 1) {
162
                        new notgetball();
163
164
165
166
                else if(source_jb == jb[3]) {
167
                    if(m == 0) {
168
                        m = 1;
169
                        new getball(w, x, y ,z, n, m, 1, ballnum);
170
                    }else if(m == 1) {
171
                        new notgetball();
172
173
174
                else if(source_jb == jb[5]) {
175
                    if(1 == 0) {
176
                        1 = 1;
177
                        new getball(w, x, y ,z, n, m, 1, ballnum);
178
                    }else if(1 == 1) {
179
                        new notgetball();
180
181
                }
182
            }
183 }
```

● Battle.java (戰鬥視窗)

(另有battle_2, battle_4, battle_6, 僅為遇到的精靈不同, 因此僅貼上battle程式作為代表)

```
1⊖ import javax.swing.*;
    import java.awt.*;
 3 import java.awt.event.*;
    public class battle extends JFrame implements ActionListener {
         // 設置按鈕,1~12生命值、13戰鬥按鈕、14背包按鈕、15精靈按鈕、16逃跑按鈕
         public JButton BTN1, BTN2, BTN3, BTN4, BTN5, BTN6, BTN7, BTN8, BTN9, BTN10, BTN11, BTN12, BTN13, BTN14, BTN15, BTN16, cha_1_BTN;
         // 我方使用精靈,預設為皮卡丘,使用路徑為1
10
11
         public String cha_2_path = null;
12
         public static int path = 1;
13
         // 卡牌參數 'w耿鬼 \ x炒蛙種子 \ y可達鴨 \ z小火龍 public int a = 1, w = 0, x = 0, y = 0, z = 0;
14
16
17
          // 容貝球參數
         int n, m, 1, ballnum;
18
19
         JPanel imagePanel;
20
21⊝
         public battle(int path,int g,int p,int j,int c, int q, int r, int s, int bn) {
22
23
24
              setSize(800.540):
25
              setLocation(200, 50);
27
28
              // 背景設署
              String bg_path = "images\\battle_background.jpg";
              ImageIcon background = new ImageIcon(bg_path);
              ImageIcon background = new ImageIcon(ng_path);
JLabel label = new JLabel(background);
label.setBounds(0, 0, this.getWidth(), this.getHeight());
imagePanel = (JPanel) this.getContentPane();
imagePanel.setOpaque(false);
30
31
32
              this.getLayeredPane().add(label,new Integer(Integer.MIN_VALUE));
setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
34
35
36
37
              // 呼叫按鈕函式,放置按鈕
              button(path);
setVisible(true);
38
39
41
              // 將傳入的參數進行存取
42
              w = g;
x = p;
43
44
              y = j;
              z = c;
45
46
              n = q;
              m = r;
1 = s;
48
49
50
              ballnum = bn;
```

```
114
                                                                                                                  BTN9.setSize(30, 30);
                                                                                                                  BTN9.setLocation(553 + 60,193);
                                                                                        115
                                                                                                                  BTN9.setBackground(Color.GREEN);
                                                                                        116
                 // 設置按鈕排版
                                                                                                                  imagePanel.add(BTN9);
                 public void button(int path){
                                                                                        117
   54⊝
                                                                                        118
                                                                                                                  BTN9.setVisible(true);
   55
                        imagePanel.setLayout(null);
   56
                                                                                        119
                        BTN1 = new JButton("");
                                                                                                                  BTN10 = new JButton("");
                                                                                        120
   58
59
                       BTN1.setSize(30, 30);
BTN1.setLocation(115,193);
                                                                                                                  BTN10.setSize(30, 30);
                                                                                        121
                                                                                                                  BTN10.setLocation(553 + 90,193)
                                                                                        122
                       BTN1.setBackground(Color.GREEN);
imagePanel.add(BTN1);
   60
                                                                                                                  BTN10.setBackground(Color.GREEN);
                                                                                        123
   61
                                                                                                                  imagePanel.add(BTN10):
   62
                        BTN1.setVisible(true);
                                                                                        124
   63
                                                                                        125
                                                                                                                 BTN10.setVisible(true);
                        RTN2 = new JButton("");
   64
                                                                                        126
                       BTN2.setSize(30, 30);
BTN2.setLocation(115 + 30,193);
BTN2.setBackground(Color.GREEN);
   65
                                                                                        127
                                                                                                                  BTN11 = new JButton("");
   66
                                                                                                                  BTN11.setSize(30, 30);
   67
                                                                                                                  BTN11.setLocation(553 + 120,193);
                                                                                        129
   68
                        imagePanel.add(BTN2):
                        BTN2.setVisible(true);
                                                                                        130
                                                                                                                  BTN11.setBackground(Color.GREEN);
   70
                                                                                        131
                                                                                                                  imagePanel.add(BTN11);
   71
72
                        BTN3 = new JButton("");
                                                                                        132
                                                                                                                 BTN11.setVisible(true);
                       BTN3.setSize(30, 30);
BTN3.setLocation(115 + 60,193);
BTN3.setBackground(Color.GREEN);
                                                                                        133
   73
74
                                                                                        134
                                                                                                                  BTN12 = new JButton(""):
                                                                                                                 BTN12.setSize(30, 30);
BTN12.setLocation(553 + 150,193);
                                                                                        135
   75
76
                        imagePanel.add(BTN3);
                                                                                        136
                        BTN3.setVisible(true):
                                                                                        137
                                                                                                                  BTN12.setBackground(Color.GREEN);
   78
                        BTN4 = new JButton(""):
                                                                                        138
                                                                                                                  imagePanel.add(BTN12);
                       BTN4.setSize(30, 30);
BTN4.setLocation(115 + 90,193);
   79
80
                                                                                        139
                                                                                                                 BTN12.setVisible(true):
                                                                                        140
                       BTN4.setBackground(Color.GREEN);
imagePanel.add(BTN4);
   81
                                                                                                                  BTN13 = new JButton("戰鬥");
                                                                                        141
   82
   83
                        BTN4.setVisible(true);
                                                                                        142
                                                                                                                 BTN13.setSize(85, 60);
BTN13.setLocation(500, 37);
   84
                                                                                        143
                                                                                                                 BTN13.setBackground(Color.WHITE);
BTN13.setFont(new java.awt.Font("Microsoft JhengHei", 1, 24));
   85
                        BTN5 = new JButton("");
                                                                                        144
                       BTN5 = new Justicon ( );
BTN5.setSize(30, 30);
BTN5.setLocation(115 + 120,193);
BTN5.setBackground(Color.GREEN);
   86
                                                                                        145
   27
                                                                                                                  BTN13.addActionListener(this);
                                                                                        146
   88
                                                                                        147
                                                                                                                  imagePanel.add(BTN13);
                       imagePanel.add(BTN5);
BTN5.setVisible(true);
   89
                                                                                        148
                                                                                                                 BTN13.setVisible(true);
   91
                                                                                        149
   92
                        BTN6 = new JButton("");
                                                                                                                  BTN14 = new JButton("背包");
                       BTN6.setSize(30, 30);
BTN6.setLocation(115 + 150,193);
   93
                                                                                                                 BTN14.setSize(85, 60);
BTN14.setLocation(620, 37);
                                                                                        152
                       BTN6.setBackground(Color.GREEN);
imagePanel.add(BTN6);
   95
                                                                                                                 BTN14.setBackground(Color.WHITE);
BTN14.setFont(new java.awt.Font("Microsoft JhengHei", 1, 24));
                                                                                        153
                                                                                        154
   97
                        BTN6.setVisible(true);
                                                                                        155
   98
                                                                                                                  BTN14.addActionListener(this);
                        BTN7 = new JButton("");
   99
                                                                                        156
                                                                                                                  imagePanel.add(BTN14);
                       BTN7.setSize(30, 30);
BTN7.setLocation(553,193);
  100
                                                                                        157
                                                                                                                 BTN14.setVisible(true);
  101
                                                                                        158
                        BTN7.setBackground(Color.GREEN);
imagePanel.add(BTN7);
  102
                                                                                                                  BTN15 = new JButton("精靈");
                                                                                        159
  103
                                                                                                                 BTN15.setSize(85, 60);
BTN15.setLocation(500, 99);
  104
                        BTN7.setVisible(true);
                                                                                        160
  105
                                                                                        161
                        BTN8 = new JButton("");
                                                                                                                 BTN15.setBackground(Color.WHITE);
BTN15.setFont(new java.awt.Font("Microsoft JhengHei", 1, 24));
  106
                                                                                        162
                       BTN8 = new JBUTTON("");
BTN8.setSize(30, 30);
BTN8.setLocation(553 + 30,193);
BTN8.setBackground(Color.GREEN);
  107
                                                                                        163
  108
                                                                                                                  BTN15.addActionListener(this);
                                                                                        164
  109
                                                                                       165
                                                                                                                  imagePanel.add(BTN15);
 110
                        imagePanel.add(BTN8):
                        BTN8.setVisible(true);
                                                                                        166
                                                                                                                 BTN15.setVisible(true);
                                                                                                                                             public void actionPerformed(ActionEvent e) {
                                                                                                                               216
217
                                                                                                                                                    // 攻擊後的生命值結果設置
                     BTN16 = new JButton("逃跑");
                                                                                                                                                   // 以季懷的任命问题結果就查
if(e.getSource() == BTN13) {
if(cha_2_path == "images\\250\\1.png") {
BTN12.setBackground(Color.MHITE);
BTN11.setBackground(Color.MHITE);
BTN10.setBackground(Color.WHITE);
                    BTM16.setSize(85, 60);
BTM16.setLocation(620, 99);
BTM16.setBackground(Color.MHITE);
BTM16.setFont(new java.awt.Font("Microsoft JhengHei", 1, 24));
BTM16.addActionListener(this);
imagePanel.add(BTM16);
                                                                                                                               218
169
                                                                                                                                219
170
171
172
173
174
175
                                                                                                                                                         BTN6.setBackground(Color.WHITE);
BTN5.setBackground(Color.WHITE);
BTN5.setBackground(Color.WHITE);
}else if(cha_2_path == "images\\250\\
BTN12.setBackground(Color.WHITE);
                     BTN16.setVisible(true);
                                                                                                                                                                                                                   .
\2.png"){
176
177
                                                                                                                                                         BTN12.setBackground(Color.WHITE);
BTN11.setBackground(Color.WHITE);
BTN5.setBackground(Color.WHITE);
BTN5.setBackground(Color.WHITE);
BTN5.setBackground(Color.WHITE);
BTN12.setBackground(Color.WHITE);
BTN11.setBackground(Color.WHITE);
BTN10.setBackground(Color.WHITE);
BTN10.setBackground(Color.WHITE);
                     String cha_1_path = "images\\250\\5.png";
                     ImageIcon cha_1 = new ImageIcon(cha_1_path);
cha_1_BTN = new JButton(cha_1);
cha_1_BTN.setSize(220, 220);
178
                                                                                                                                229
180
                                                                                                                               230
                     cha_1_BTN.setLocation(75,260);
cha_1_BTN.addActionListener(this);
imagePanel.add(cha_1_BTN);
181
183
                                                                                                                                                         BTN9.setBackground(Color.WHITTE);
BTN6.setBackground(Color.WHITTE);
}else if(cha_2_path == "images\\250\\
BTN12.setBackground(Color.WHITE);
184
                     cha 1 BTN.setVisible(true);
185
                                                                                                                                35
                        傳入路徑判斷,以進行我方寶可夢更換
186
                    // 傅人路徑判斷;以進行就方資可參更換

if(path == 1) {

    cha_2_path = "images\\250\\1.png";

}else if(path == 2) {

    cha_2_path = "images\\250\\2.png";

}else if(path == 3) {

    cha_2_path = "images\\250\\3.png";

}else if(path == 4) {

    cha_2_path = "images\\250\\4.png";

}else if(path == 5) {

    cha_2_path = "images\\250\\5.png";

}else if(path == 6) {
                                                                                                                                237
187
                                                                                                                                                               BTM6.setBackground(Color.WHITE);
BTM6.setBackground(Color.WHITE);
BTM4.setBackground(Color.WHITE);
BTM3.setBackground(Color.WHITE);
BTM3.setBackground(Color.WHITE);
// 日達可收服標準,跳出可收服提示視窗,將收服的判斷值從1改為@
                                                                                                                               238
189
190
191
                                                                                                                               241
                                                                                                                               242
192
                                                                                                                                                         hint cc = new hint();

a = 0;

}else if(cha_2_path == "images\\250\\5.png"){
                                                                                                                               243
193
                                                                                                                               245
195
                                                                                                                                                                BTN12.setBackground(Color.WHITE);
BTN11.setBackground(Color.WHITE);
BTN6.setBackground(Color.WHITE);
                                                                                                                               246
196
                    cha_2_path = "images\\250\\5.png";
}else if(path == 6) {
    cha_2_path = "images\\250\\6.png";
}else if(path == 7) {
    cha_2_path = "images\\250\\7.png";
}else if(path == 8) {
    cha_2_path = "images\\250\\8.png";
}
197
198
                                                                                                                                                         249
199
                                                                                                                               250
201
                                                                                                                                                         BIN11.setBackground(Color.WHITE);
BIN6.setBackground(Color.WHITE);
}else if(cha_2_path == "images\\250\\7.png"){
BIN12.setBackground(Color.WHITE);
BIN6.setBackground(Color.WHITE);
}else if(cha_2_path == "images\\250\\8.png"){
BIN12.setBackground(Color.WHITE);
BIN6.setBackground(Color.WHITE);
BIN6.setBackground(Color.WHITE);
202
203
                     ,
ImageIcon cha_2 = new ImageIcon(cha_2_path);
204
                     JButton cha_2_BTN = new JButton(cha_2);
cha_2_BTN.setSize(220, 220);
cha_2_BTN.setLocation(515,260);
205
                                                                                                                               256
207
                     imagePanel.add(cha_2_BTN);
cha_2_BTN.setVisible(true);
208
                                                                                                                               260
210
                                                                                                                              261
```

113

BTN9 = new JButton("");

```
// 開啟背包,以進行收服
262
263
            else if(e.getSource() == BTN14) {
264
               backpack cc = new backpack(a, 4, w, x, y, z, n, m, 1, ballnum);
265
           // 開啟卡牌,更換精靈
266
267
            else if(e.getSource() == BTN15) {
268
               this.setVisible(false);
269
               pokemon cc = new pokemon(w,x,y,z, n, m, 1, ballnum);
270
           // 逃跑
271
272
           else if(e.getSource() == BTN16) {
273
               this.setVisible(false);
274
           // 點擊耿鬼觀看角色訊息
275
276
           else if(e.getSource() == cha_1_BTN) {
277
               gengar cc = new gengar();
278
279
        }
280 }
```

● Pokemon.java (戰鬥更換卡牌視窗)

(另有pokemon_2, pokemon_4, pokemon_6. 僅為配合的戰鬥視窗不同. 因此僅貼上pokemon 作為代表)

```
1⊖ import java.awt.BorderLayout;
 2 import java.awt.Color;
 3 import java.awt.Dimension;
 4 import java.awt.GridLayout;
5 import java.awt.event.ActionEvent;
 6 import java.awt.event.ActionListener;
7 import javax.swing.ImageIcon;
8 import javax.swing.JButton;
9 import javax.swing.JFrame;
10 import javax.swing.JLabel;
11 import javax.swing.JPanel;
12 import javax.swing.SwingConstants;
13
14 class pokemon extends JFrame implements ActionListener{
        // 設置卡牌
16
17
        JButton jb[] = new JButton[9];
18
        // 卡牌參數,w耿鬼、x妙蛙種子、y可達鴨、z小火龍
19
20
        public int w, x , y , z ;
21
        // 寶貝球參數
22
23
       int n, m, 1, ballnum;
24
        public pokemon(int g,int p,int j,int c, int q, int r, int s, int bn) {
25⊜
26
27
            super("精靈");
28
29
            this.setSize(426, 503);
            this.setLocation(424, 50);
30
31
            setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
32
            setVisible(true);
33
34
            JPanel jp = new JPanel();
35
            GridLayout gl = new GridLayout(3,3);
36
            jp.setLayout(gl);
37
38
            for(int i=0; i<9; i++) {
                jb[i] = new JButton();
39
40
                jb[i].setSize(122, 151);
41
                jb[i].setBackground(Color.WHITE);
42
                jp.add(jb[i]);
43
            }
44
            // 皮卡丘卡牌
45
            String card_pikachu_path = "images/card_pikachu.png";
47
            ImageIcon card_pikachu_icon = new ImageIcon(card_pikachu_path);
48
            jb[0].setIcon(card_pikachu_icon);
49
            jb[0].addActionListener(this);
50
51
            // 伊布卡牌
            String card_Eevee_path = "images/card_Eevee.png";
52
            ImageIcon card_Eevee_icon = new ImageIcon(card_Eevee_path);
53
54
            jb[1].setIcon(card_Eevee_icon);
55
            jb[1].addActionListener(this);
```

```
57
             // 胖丁卡牌
 58
            String card_Jigglypuff_path = "images/card_Jigglypuff.png";
 59
            ImageIcon card_Jigglypuff_icon = new ImageIcon(card_Jigglypuff_path);
 60
             jb[2].setIcon(card_Jigglypuff_icon);
 61
            jb[2].addActionListener(this);
 62
 63
            //基拉祈卡牌
            String card_Jirachi_path = "images/card_Jirachi.png";
 64
             ImageIcon card_Jirachi_icon = new ImageIcon(card_Jirachi_path);
 65
             jb[3].setIcon(card_Jirachi_icon);
 66
 67
            jb[3].addActionListener(this);
 68
 69
            // 將傳入的參數進行存取
 70
            w = g;
            x = p;
 71
 72
            y = j;
 73
            z = c;
 74
 75
            n = q;
 76
            m = r;
            1 = s;
 77
 78
            ballnum = bn;
 79
 80
             // 如果收服到耿鬼
 81
            if(w == 1) {
                String card_Gengar_path = "images/card_Gengar.png";
 82
                 ImageIcon card_Gengar_icon = new ImageIcon(card_Gengar_path);
 83
 84
                 jb[4].setIcon(card_Gengar_icon);
 85
                 jb[4].addActionListener(this);
 86
            3
 87
 88
             // 如果收服到妙挖種子
 89
            if(x == 1) {
 90
                 String card_Bulbasaur_path = "images/card_Bulbasaur.png";
 91
                 ImageIcon card_Bulbasaur_icon = new ImageIcon(card_Bulbasaur_path);
 92
                 jb[5].setIcon(card_Bulbasaur_icon);
 93
                 jb[5].addActionListener(this);
 94
            }
 95
             // 如果收服到可達鴨
 96
 97
             if(y == 1) {
 98
                 String card_Psyduck_path = "images/card_Psyduck.png";
99
                 ImageIcon card_Psyduck_icon = new ImageIcon(card_Psyduck_path);
100
                 jb[6].setIcon(card_Psyduck_icon);
101
                 jb[6].addActionListener(this);
            }
102
103
104
             // 如果收服到小火龍
105
             if(z == 1) {
                 String card_Charmander_path = "images/card_Charmander.png";
106
                 ImageIcon card_Charmander_icon = new ImageIcon(card_Charmander_path);
107
108
                 jb[7].setIcon(card_Charmander_icon);
109
                 jb[7].addActionListener(this);
110
            }
```

```
112
             // 放上標題
             JPanel nev_jp = new JPanel();
JLabel jl = new JLabel("寶可夢卡牌", SwingConstants.CENTER);
113
114
             jl.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
115
116
             nev_jp.add(j1);
117
             // 畫片排版
118
119
             JPanel lf_jp = new JPanel();
             JPanel ri_jp = new JPanel();
120
121
122
             lf_jp.setPreferredSize(new Dimension(30, 500));
             ri jp.setPreferredSize(new Dimension(30, 500));
123
124
125
             this.add(lf_jp, BorderLayout.WEST);
126
             this.add(ri_jp, BorderLayout.EAST);
             this.add(nev_jp, BorderLayout.NORTH);
127
128
             this.add(jp, BorderLayout.CENTER);
129
130
        }
131
132⊖
        @Override
         public void actionPerformed(ActionEvent e) {
133
134
             // 點擊卡牌進行我方角色更換
135
             if(e.getSource() == jb[0]) {
136
                 update(1, w, x, y, z, n, m ,1, ballnum);
137
             }else if(e.getSource() == jb[1]) {
138
                 update(2, w, x, y, z, n, m ,1, ballnum);
139
             }else if(e.getSource() == jb[2]) {
140
                 update(3, w, x, y, z, n, m ,1, ballnum);
141
             }else if(e.getSource() == jb[3]) {
             update(4, w, x, y, z, n, m ,1, ballnum);
}else if(e.getSource() == jb[4]) {
142
143
144
                 update(5, w, x, y, z, n, m ,1, ballnum);
             }else if(e.getSource() == jb[5]) {
145
146
                 update(6, w, x, y, z, n, m ,1, ballnum);
147
             }else if(e.getSource() == jb[6]) {
148
                update(7, w, x, y, z, n, m ,1, ballnum);
149
             }else if(e.getSource() == jb[7]) {
150
                 update(8, w, x, y, z, n, m ,1, ballnum);
151
152
         }
153
        // 更换卡牌函式:卡牌視窗消失,更新戰鬥視窗
154
        public void update(int a,int g,int p,int j,int c, int q, int r, int s, int bn) {
155⊖
156
             this.setVisible(false);
             battle program = new battle(a, g, p, j, c, n, m, 1, bn);
157
158
             program.setVisible(true);
159
        }
160 }
```

● Backpack.java (戰鬥中的背包視窗,點擊寶貝球以收服神奇寶貝)

```
1⊖ import java.awt.BorderLayout;
2 import java.awt.Color;
3 import java.awt.Dimension;
4 import java.awt.GridLayout;
5 import java.awt.event.ActionEvent;
6 import java.awt.event.ActionListener;
8 import javax.swing.ImageIcon;
9 import javax.swing.JButton;
10 import javax.swing.JFrame;
11 import javax.swing.JLabel;
12 import javax.swing.JPanel;
import javax.swing.SwingConstants;
14
15 public class backpack extends JFrame implements ActionListener{
16
       // 設置寶貝球按鈕
17
18
       JButton jb[] = new JButton[9];
19
       // 設置欲收服的卡牌參數
20
21
       int card_number;
22
       // 卡牌參數,w耿鬼、x妙蛙種子、y可達鴨、z小火龍
23
24
       public int w, x, y, z;
25
26
       // 寶貝球參數
27
       int n, m, 1, ballnum;
28
       public backpack(int a, int n_1,int g,int p,int j,int c, int q, int r, int s, int bn) {
29⊝
30
           // 版面設置
31
32
           this.setSize(350, 350);
33
           this.setLocation(650, 50);
34
           this.setVisible(true);
35
           this.setTitle("背包");
36
37
          // 將傳入的參數進行存取
          w = g;
38
          x = p;
39
40
           y = j;
41
           z = c;
42
43
           n = q;
44
           m = r;
           1 = s;
45
46
           ballnum = bn;
47
           // 設置寶貝球
48
49
           JPanel jp = new JPanel();
50
           jp.setBackground(Color.WHITE);
51
           GridLayout gl = new GridLayout(3,3);
52
           jp.setLayout(gl);
53
           String ball_path = "images/ball.jpg";
54
55
           ImageIcon ball_icon = new ImageIcon(ball_path);
```

```
57
            for(int i=0; i<jb.length; i++) {
 58
                jb[i] = new JButton();
 59
                jb[i].setSize(100, 100);
 60
                jb[i].setBackground(Color.WHITE);
                jp.add(jb[i]);
 61
                // 透過傳入的總寶貝球bn數進行視窗呈現的顆數
 62
 63
                if(i < (3+bn)) {
 64
                    jb[i].setIcon(ball_icon);
 65
 66
            }
 67
            // 收服判斷值為0,可收服
 68
 69
            if(a == 0) {
                for(int i=0; i<jb.length; i++) {</pre>
 70
 71
                    jb[i].addActionListener(this);
 72
 73
 74
            // 收服判斷值為1,跳出無法收服提示視窗
 75
            else {
 76
                notget cc = new notget();
 77
                this.toFront();
 78
                this.setVisible(false);
 79
            }
 80
            // 設置標題
 81
 82
            JPanel nev_jp = new JPanel();
 83
            nev_jp.setSize(650, 80);
            JLabel jl = new JLabel("精靈球", SwingConstants.CENTER);
 84
 85
            jl.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
 86
            nev_jp.add(jl);
 87
 88
            // 畫片排版
 89
            JPanel 1f jp = new JPanel();
 90
            JPanel ri_jp = new JPanel();
 91
 92
            lf_jp.setPreferredSize(new Dimension(25, 350));
 93
            ri_jp.setPreferredSize(new Dimension(25, 350));
 94
 95
            this.add(lf_jp, BorderLayout.WEST);
            this.add(ri_jp, BorderLayout.EAST);
 96
 97
            this.add(nev_jp, BorderLayout.NORTH);
 98
            this.add(jp, BorderLayout.CENTER);
 99
100
            // 傳輸值收服卡片的值
101
            card_number = n_1;
102
        }
103
104⊖
        @Override
        public void actionPerformed(ActionEvent arg0) {
105
            // 傳值呼叫get,開啟收服成功提示視窗,與卡牌最新結果視窗
106
            get cc = new get(card_number, w, x, y, z,n, m, 1, ballnum);
107
108
            this.setVisible(false);
109
        }
110
111 }
```

● Hint.java (可進行收服提示視窗)

```
1⊖ import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
5 // 可收服神奇寶貝提示視窗
6 class hint extends JFrame{
80
         public hint() {
              // 版面設置
              super("提示!");
              setSize(250,110);
setLocation(200, 50);
setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
12
13
14
              setVisible(true);
15
              JPanel jp = new JPanel();
              jp.setBackground(Color.WHITE);
18
19
              jp.setLayout(new FlowLayout(FlowLayout.CENTER));
JLabel label=new JLabel("<html><body>對方HP值已低於3<br/>可使用精靈球收服!</body></html>");
20
21
              label.setSize(200,200);
              label.setFont(new java.awt.Font("Microsoft JhengHei", 1, 20));
label.setLocation(0, 0);
jp.add(label);
23
24
25
26
              this.add(jp);
29 }
```

● Get.java (收成功提示窗)

```
1⊖ import javax.swing.*;
 2 import java.awt.*;
 3 import java.awt.event.*;
 5 class get extends JFrame{
        // 收服圖示
        JButton pic;
 9
        // 卡牌參數,w耿鬼、x妙蛙種子、y可達鴨、z小火龍
10
11
12
        // 收服卡片參數n_1,寶貝球參數
13
        int n_1, n, m, 1, ballnum;
14
15
        public get(int n_1,int g,int p,int j,int c,int q, int r, int s, int bn) {
169
17
18
            super("GET!");
20
            setSize(400, 400);
21
            setLocation(200, 50);
22
            setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
23
            setVisible(true);
24
            JPanel jp = new JPanel();
25
            jp.setBackground(Color.WHITE);
26
27
            jp.setLayout(new FlowLayout(FlowLayout.CENTER));
28
            JLabel label = new JLabel("<html><body>您收服了一隻寶可夢!</body></html>");
            label.setSize(200, 200);
            label.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
32
           jp.add(label);
33
34
            ImageIcon a = new ImageIcon("images\\luffy.gif");
35
            pic = new JButton(a);
            pic.setSize(340, 300);
36
            pic.setBackground(Color.WHITE);
37
            pic.setVisible(true);
38
            jp.add(pic);
39
40
            this.add(jp);
41
            // 判斷收服卡片的值,將傳入的參數進行存取
43
44
            // 收服w耿鬼
45
            if(n_1 == 4) {
               w = 1;
x = p;
46
47
48
                y = j;
                z = c;
49
50
            }
51
            // 收服x妙蛙種子
            if(n_1 == 5) {
             w = g;
55
                x = 1;
56
                y = j;
57
                z = c;
            }
58
59
            // 收服y可達鴨
60
            if(n_1 == 6) {
w = g;
61
62
                x = p;
63
                y = 1;
64
65
                z = c;
66
            }
            // 收服z小火龍
            if(n_1 == 7) {
70
             w = g;
71
                x = p;
                y = j;
72
                z = 1;
73
74
            }
75
            // 將傳入的寶貝球參數進行存取
76
77
            n = q;
            m = r;
78
            1 = s;
79
80
            ballnum = bn -1:
81
            // 更新地圖與卡牌
82
            map cc = new map(w,x,y,z,n, m, l, ballnum);
card dd = new card(w,x,y,z);
// 將成功收服提示視窗擺在最前方
83
85
86
            this.toFront();
87
        }
88 }
```

● Notget.java (未能收服提示視窗)

```
1⊖ import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
   class notget extends JFrame{
6
       // 未收服圖示
8
       JButton pic;
9
10⊝
       public notget() {
11
           // 版面設置
12
          super("警告!");
13
           setSize(400, 382);
14
15
           setLocation(200, 50);
16
          setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
17
          setVisible(true);
18
           JPanel jp = new JPanel();
19
20
           jp.setBackground(Color.WHITE);
21
22
           jp.setLayout(new FlowLayout(FlowLayout.CENTER));
           JLabel label = new JLabel("<html><body>您目前無法收服這隻寶可夢!</body></html>");
23
24
          label.setSize(200, 200);
25
           label.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
26
           jp.add(label);
27
28
           ImageIcon a = new ImageIcon("images\\chopper.gif");
           pic = new JButton(a);
29
           pic.setSize(340, 300);
30
31
           pic.setBackground(Color.WHITE);
32
           pic.setVisible(true);
33
           jp.add(pic);
34
35
           this.add(jp);
36
       }
37 }
```

● Getball.java (撿到寶貝球提示視窗)

```
1⊖ import java.awt.Color;
   import java.awt.FlowLayout;
 4 import javax.swing.ImageIcon;
   import javax.swing.JButton;
   import javax.swing.JFrame;
   import javax.swing.JLabel;
 8 import javax.swing.JPanel;
10
   public class getball extends JFrame{
11
12
        // 獲得精靈球圖示
13
       JButton pic;
14
       // 卡牌參數,w耿鬼、x妙蛙種子、y可達鴨、z小火龍
15
       int w, x ,y ,z ;
16
17
       // 寶貝球參數
18
19
       int n, m, 1, bn;
20
21⊖
       public getball(int g,int p,int j,int c, int q, int r, int s, int bn) {
22
           // 版面設置
23
24
           super("GET BALL!");
           setSize(350, 350);
25
26
           setLocation(200, 50);
27
           setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
28
           setVisible(true);
29
30
           JPanel jp = new JPanel();
31
           jp.setBackground(Color.WHITE);
32
33
           jp.setLayout(new FlowLayout(FlowLayout.CENTER));
           JLabel label = new JLabel("<html><body>您獲得了一顆精靈球!</body></html>");
           label.setSize(200, 200);
35
36
           label.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
37
           jp.add(label);
38
           ImageIcon get_ball = new ImageIcon("images\\pokeball.gif");
39
40
           pic = new JButton(get_ball);
41
           pic.setSize(340, 300);
42
           pic.setBackground(Color.WHITE);
43
           pic.setVisible(true);
44
           jp.add(pic);
45
46
           this.add(jp);
47
48
           // 將傳入的參數進行存取
49
           w = g;
50
           x = p;
51
           y = j;
52
           z = c;
53
           n = q;
54
55
           m = r;
56
           1 = s;
           // 得到寶貝球數+1
58
59
           bn++;
60
           // 更新地圖與背包
61
62
           new map(w,x,y,z, q, r, s, bn);
63
           new backpack_map(bn);
64
65
           // 將成功取得提示視窗擺在最前方
66
           this.toFront();
67
       }
68
69 }
```

● Notgetball.java (已經沒有寶貝球提示視窗)

```
1⊝ import java.awt.Color;
    import java.awt.FlowLayout;
 3
 4 import javax.swing.ImageIcon;
   import javax.swing.JButton;
 6 import javax.swing.JFrame;
7 import javax.swing.JLabel;
 8 import javax.swing.JPanel;
10
   public class notgetball extends JFrame{
11
        JButton pic;
12
13
        public notgetball() {
14⊖
            super("NOT GET BALL!");
15
            setSize(400, 400);
16
17
            setLocation(200, 50);
18
            setDefaultCloseOperation(JFrame.DISPOSE ON CLOSE);
19
            setVisible(true);
20
21
            JPanel jp = new JPanel();
22
            jp.setBackground(Color.WHITE);
23
24
            jp.setLayout(new FlowLayout(FlowLayout.CENTER));
25
            JLabel label = new JLabel("<html><body>這裡沒有精靈球了!</body></html>");
            label.setSize(200, 200);
26
27
            label.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
28
            jp.add(label);
29
            ImageIcon get_ball = new ImageIcon("images\\zoro.gif");
30
31
            pic = new JButton(get_ball);
32
            pic.setSize(340, 300);
33
            pic.setBackground(Color.WHITE);
34
            pic.setVisible(true);
35
            jp.add(pic);
36
37
            this.add(jp);
38
39
        }
40
41 }
```

● Backpack_map.java (地圖中背包視窗)

```
1⊖ import java.awt.BorderLayout;
  import java.awt.Color;
 3 import java.awt.Dimension;
 4 import java.awt.GridLayout;
 6 import javax.swing.ImageIcon;
    import javax.swing.JButton;
 8 import javax.swing.JFrame;
 9 import javax.swing.JLabel;
10 import javax.swing.JPanel;
11 import javax.swing.SwingConstants;
12
13 public class backpack map extends JFrame{
14
15
        JButton jb[] = new JButton[9]; //寶貝球按鈕
16
        int ballnum;
17
18⊖
        public backpack_map(int bn) {
19
            this.setSize(350, 350);
20
            this.setLocation(536, 50);
21
            this.setVisible(true);
22
            this.setTitle("背包");
23
24
            // 設置寶貝球
25
            JPanel jp = new JPanel();
26
            jp.setBackground(Color.WHITE);
27
            GridLayout gl = new GridLayout(3,3);
28
            jp.setLayout(gl);
29
30
            String ball_path = "images/ball.jpg";
31
            ImageIcon ball_icon = new ImageIcon(ball_path);
32
            for(int i=0; i<jb.length; i++) {
33
34
                 jb[i] = new JButton();
35
                 jb[i].setSize(100, 100);
36
                 jb[i].setBackground(Color.WHITE);
37
                 jp.add(jb[i]);
38
                 if(i < (3+bn)) {
39
                     jb[i].setIcon(ball_icon);
40
                 }
41
            }
12
43
           // 設置標題
           JPanel nev_jp = new JPanel();
44
45
           //nev jp.setBackground(Color.WHITE);
46
           nev_jp.setSize(650, 80);
           JLabel jl = new JLabel("精靈球", SwingConstants.CENTER);
jl.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));;
47
48
49
           nev_jp.add(j1);
50
51
           // 畫片排版
52
           JPanel lf_jp = new JPanel();
53
           JPanel ri_jp = new JPanel();
54
55
           lf_jp.setPreferredSize(new Dimension(25, 350));
56
           ri_jp.setPreferredSize(new Dimension(25, 350));
57
58
59
           this.add(lf_jp, BorderLayout.WEST);
60
           this.add(ri_jp, BorderLayout.EAST);
61
           this.add(nev_jp, BorderLayout.NORTH);
           this.add(jp, BorderLayout.CENTER);
62
63
64
       }
65
66
67 }
```

● Card.java (地圖中卡包視窗)

```
1⊝ import java.awt.BorderLayout;
 2 import java.awt.Color;
import java.awt.Dimension;
import java.awt.GridLayout;
import java.awt.event.ActionEvent;
 6 import java.awt.event.ActionListener;
 7 import javax.swing.ImageIcon;
8 import javax.swing.JButton;
9 import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
12 import javax.swing.SwingConstants;
14 public class card extends JFrame implements ActionListener{
15
16
        JButton jb[] = new JButton[9];
17
18
19⊖
        public card(int g,int p,int j,int c) {
20
21
            // 設置版型
22
            this.setSize(426, 503);
23
            this.setLocation(574, 50);
24
            this.setVisible(true);
25
            this.setTitle("卡牌");
26
            // 設置放卡片的地方
27
28
            JPanel jp = new JPanel();
29
            GridLayout gl = new GridLayout(3,3);
30
            jp.setLayout(gl);
31
32
            for(int i=0; i<9; i++) {
33
                jb[i] = new JButton();
34
                jb[i].setSize(122, 151);
                jb[i].setBackground(Color.WHITE);
35
36
                jp.add(jb[i]);
37
            }
38
39
            // 皮卡丘卡牌
            String card_pikachu_path = "images/card_pikachu.png";
40
41
            ImageIcon card pikachu icon = new ImageIcon(card pikachu path);
42
            jb[0].setIcon(card_pikachu_icon);
43
            jb[0].addActionListener(this);
44
45
            // 伊布卡牌
46
            String card_Eevee_path = "images/card_Eevee.png";
47
            ImageIcon card_Eevee_icon = new ImageIcon(card_Eevee_path);
48
            jb[1].setIcon(card_Eevee_icon);
49
            jb[1].addActionListener(this);
50
51
            // 胖丁卡牌
52
            String card_Jigglypuff_path = "images/card_Jigglypuff.png";
53
            ImageIcon card_Jigglypuff_icon = new ImageIcon(card_Jigglypuff_path);
            jb[2].setIcon(card_Jigglypuff_icon);
54
55
            jb[2].addActionListener(this);
```

```
57
            // 基拉新卡牌
            String card_Jirachi_path = "images/card_Jirachi.png";
 58
 59
            ImageIcon card_Jirachi_icon = new ImageIcon(card_Jirachi_path);
 60
            jb[3].setIcon(card_Jirachi_icon);
 61
            ib[31.addActionListener(this);
 62
            // 如果收服到耿鬼
 63
 64
            if(g == 1) {
                String card_Gengar_path = "images/card_Gengar.png";
 65
                ImageIcon card_Gengar_icon = new ImageIcon(card_Gengar_path);
 66
 67
                jb[4].setIcon(card_Gengar_icon);
 68
                ib[41.addActionListener(this):
 69
            3
 70
 71
             // 如果收服到妙挖種子
 72
            if(p == 1) {
 73
                String card_Bulbasaur_path = "images/card_Bulbasaur.png";
 74
                ImageIcon card_Bulbasaur_icon = new ImageIcon(card_Bulbasaur_path);
 75
                 jb[5].setIcon(card_Bulbasaur_icon);
 76
                jb[5].addActionListener(this);
 77
 78
            // 如果收服到可達鴨
 79
 20
            if(j == 1) {
                String card_Psyduck_path = "images/card_Psyduck.png";
 81
                ImageIcon card_Psyduck_icon = new ImageIcon(card_Psyduck_path);
 82
                jb[6].setIcon(card_Psyduck_icon);
 83
 84
                jb[6].addActionListener(this);
 85
 86
            // 如果收服到小火龍
 87
 88
            if(c == 1) {
 89
                String card Charmander path = "images/card Charmander.png";
 90
                ImageIcon card Charmander icon = new ImageIcon(card Charmander path);
                jb[7].setIcon(card_Charmander_icon);
 91
 92
                jb[7].addActionListener(this);
 93
 94
 95
            // 放上標題
            JPanel nev_jp = new JPanel();
JLabel jl = new JLabel("實可夢卡牌", SwingConstants.CENTER);
 96
 97
 98
            jl.setFont(new java.awt.Font("Microsoft JhengHei", 1, 25));
 99
            nev_jp.add(j1);
100
101
             // 畫片排版
            JPanel lf_jp = new JPanel();
102
            JPanel ri_jp = new JPanel();
103
104
            lf_jp.setPreferredSize(new Dimension(30, 500));
105
            ri_jp.setPreferredSize(new Dimension(30, 500));
106
107
            this.add(lf_jp, BorderLayout.WEST);
this.add(ri_jp, BorderLayout.EAST);
108
109
            this.add(nev_jp, BorderLayout.NORTH);
this.add(jp, BorderLayout.CENTER);
110
111
112
        }
115⊜
           @Override
116ء
           public void actionPerformed(ActionEvent arg0) {
117
118
                 JButton source_jb =(JButton)arg0.getSource();
119
                 // 點擊卡牌查看其角色設定
120
121
                if(source ib == ib[0]) {
122
                     pikachu cc = new pikachu();
123
                 }else if(source_jb == jb[1]) {
124
                     eevee cc = new eevee();
125
                }else if(source_jb == jb[2]) {
126
                     jigglypuff cc = new jigglypuff();
                 }else if(source_jb == jb[3]) {
127
128
                     jilachi cc = new jilachi();
129
                }else if(source_jb == jb[4]) {
130
                     gengar cc = new gengar();
131
                }else if(source_jb == jb[5]) {
132
                     bulbasaur cc = new bulbasaur();
133
                 }else if(source_jb == jb[6]) {
134
                     psyduck cc = new psyduck();
135
                 }else if(source_jb == jb[7]) {
136
                     charmander cc = new charmander();
137
                3
138
           }
139
```

Pikachu.java (精靈角色設定介紹視窗)
 (另有eevee, jigglypuff, jilachi, gengar, bulbasaur, psyduck, charmander·僅角色介紹的文字不同·因此僅貼上pikachu作為代表)