```
1、主Activity
     [java] view plain copy print ?
     <span style="font-size:18px;color:#3333ff;">package com.bison;
1.
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3.
     import android.app.Activity;
4.
     import android.content.pm.ActivityInfo;
5.
     import android.os.Bundle;
     import android.view.Window;
6.
     import android.view.WindowManager;
```

最近一直在研究关于游戏编程,人在深圳,工作不好找啊!

为了节约内存资源,每张扑克牌都是剪切形成的,当然这也是当前编程的主流方法。

getWindow().setFlags(WindowManager.LayoutParams.FLAG\_FULLSCREEN,

发一个斗地主游戏的牌桌实现。

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8. 9. \* 求某公司包养 10. 11. \* @author Bison 12. 13. \*/ 14. 15. public class PukeActivity extends Activity { /\*\* Called when the activity is first created. \*/ 16. 17. @Override

18. public void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); 19. // 这个事隐藏标题栏,不解释 20. requestWindowFeature(Window.FEATURE\_NO\_TITLE); 21.

// 隐藏状态栏, 你懂的

24. WindowManager.LayoutParams.FLAG\_FULLSCREEN); /\* 25. \* 开始有考虑使屏幕上扑克的排列随屏幕的分辨率变动 结果貌似不好做,注释掉了 Display display = 26. \* getWindowManager().getDefaultDisplay(); int screenWidth = 27. \* display.getWidth(); int screenHeight = display.getHeight(); 28. 29. 30. // 使用代码锁定横屏 31. 32. setRequestedOrientation(ActivityInfo.SCREEN\_ORIENTATION\_LANDSCAPE); // setRequestedOrientation(ActivityInfo.SCREEN\_ORIENTATION\_PORTRAIT);这个是竖屏 33. 34. setContentView(new GameView(this)); 35. 36. }</span>

2、牌桌页面 [java] view plain copy print ? <span style="color:#3333ff;">package com.bison; 1. 2. import android.content.Context; 3. 4. import android.graphics.Bitmap; import android.graphics.BitmapFactory; import android.graphics.Canvas; 6. 7. import android.graphics.Rect; import android.view.MotionEvent; 8. 9. import android.view.SurfaceHolder; import android.view.SurfaceView; 10. 11. import com.bison.utils.Person; 12.

13. 14. \* 牌桌,会被老婆骂,最好不要上去,你懂的 15. 16. 17. \* 扑克图片来源,和牌桌背景在文章的下面。 扑克背面图等我没上传,玩家自行百度 18. \* @author Bison 19. 20. 21. \*/ public class GameView extends SurfaceView implements SurfaceHolder.Callback { 22. private FlushThread thread = null;// 刷帧线程 23. private Bitmap sourceBitmap = null;// 扑克图片来源 24. private Bitmap backgroundDesk = null;// 牌桌背景 25. 26. private Bitmap backgroundPuke = null;// 扑克背面 27. private final Person person; 28.

29. private int pukeWidth = 0;// 扑克的宽 30. private int pukeHeight = 0;// 扑克的高 private int deskWidth = 0;// 牌桌的宽 31. private int deskHeight = 0;// 牌桌的高 32. private int left = 0;// 我自己首张牌左距离 33. 34. 35. public GameView(Context context) { 36. super(context); 37. getHolder().addCallback(this); this.thread = new FlushThread(getHolder(), this);// 实例化线程 38. 39. initBitmap();// 实例化图片 40. this.person = new Person();// 实例化Person类 this.left = deskWidth / 2 - (16 \* 25 + pukeWidth) / 2;// 左距开始时赋值 41. 42. } 43. 44. private void initBitmap() {// 初始化图片 45. sourceBitmap = BitmapFactory.decodeResource(getResources(),

R.drawable.smallcard); pukeWidth = sourceBitmap.getWidth() / 14;// 每张扑克的宽高 pukeHeight = sourceBitmap.getHeight() / 4; backgroundDesk = BitmapFactory.decodeResource(getResources(), R.drawable.gameback2); deskWidth = backgroundDesk.getWidth();// 牌桌的宽高 deskHeight = backgroundDesk.getHeight(); backgroundPuke = BitmapFactory.decodeResource(getResources(), R.drawable.cardback); } @Override protected void onDraw(Canvas canvas) { // 绘制牌桌 canvas.drawBitmap(backgroundDesk, 0, 0, null); personPaint(canvas, pukeWidth, pukeHeight); deskthreePukes(canvas, pukeWidth, pukeHeight);

46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. /\*\* 绘制每个玩家手里的牌 \*/ Rect src = new Rect(); Rect dst = new Rect(); // 遍历数组 // pukeHeight); }

64. 65. 66. 67. 68. 69. public void personPaint(Canvas c, int pukeWidth, int pukeHeight) { 70. 71. 72. 73. for (int i = 0; i < 3; i++) {</pre> 74. 75. for (int j = 0; j < 17; j++) { **if** (i == ∅) {// 左手边玩家,不用绘出正面 76. 77. 78. 79. 80. 81. **if** (i == 1) {// 自己 82. 83. 84. 85. 86. 87. 88. 89. **if** (i == 2) {// 右手边玩家,同样不用绘出正面 // pukeHeight); } } } } /\*\* 绘制三张底牌 \*/ Rect src = new Rect(); Rect dst = new Rect(); } }

90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. @Override 113. 114. 115. // 正在研究点击弹出相应的扑克 116. 117. } 118. 119. @Override 120. 121. int height) { 122. } 123. 124. @Override 125. 126. 127. this.thread.start(); 128. } 129. 130. @Override 131. 132. boolean retry = true; 133. while (retry) { 134. 135. try { thread.join(); 136. 137. retry = false; 138. 139. 140. } } 141. 142. 143.

153. 154. 155. } 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. } 179. } 180. public boolean isFlag() { 181. 182. return flag; 183. 184. 185. public void setFlag(boolean flag) { 186. this.flag = flag; 187. } 188. 189. } 190. 191. 192. </span> 3、相关实体类 扑克牌类: [java] view plain copy print ? <span style="font-size:18px;color:#3333ff;">package com.bison.utils; 1. 2. 3. import java.util.Random; 4.

} finally {

}

}

try {

if (canvas != null) {

Thread.sleep(span);

e.printStackTrace();

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5. \* 生成一副洗好的牌,并且 设计为单例模式 6. 7. \* @author Bison 8. 9. 10. public class Cards { 11. // 声明一副扑克牌 12. 13. public int[] pukes = new int[54]; 14. 15. 16. 17. private Cards() { setPuke(); 18. shuffle(); 19. 20. } 21. 22. 23. 24. 25. return cardsInstance; 26. 27. } 28. /\*\* 给54张扑克牌赋值 : 1~54 \*/ 29. private void setPuke() { 30. 31. 32. 33. } 34. } 35. /\*\* 洗牌 \*/ 36. 37. private void shuffle() { 38. 39. 40. 41. 42. 43. 44. 45. } 46. } 47. 48. </span> 玩家类: [java] view plain copy print ? 1. 2. 3. import android.graphics.Rect;

4. 5. \* 这个是玩家的实体类 6. 7. \* @author Bison 8. 9. \*/ 10. 11. public class Person { 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34.

35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. } 50. 51. 52. 53. 54. } 55.

threePukes[0] = pukes[51]; threePukes[1] = pukes[52]; threePukes[2] = pukes[53]; 56. /\*\* 对每个玩家手里的牌排序:使用冒泡排序 \*/ 57. private void sort(int[] ary) { 58. 59. for (int i = 0; i < ary.length; i++) {</pre> for (int j = 0; j < ary.length - i - 1; j++) {</pre> 60. 61. if (ary[j] > ary[j + 1]) { 62. int temp = ary[j]; 63. ary[j] = ary[j + 1];64. ary[j + 1] = temp;} 65. } 66. } 67. 68. } 69. 70. \* 对应扑克所在图片上的位置 71. 72. \* 1 5 9 ..... 53 73. \* 2 6 10 ..... 54 74. \* 3 7 11 \* 4 8 12 75. \*/ 76. 77. int  $x = \emptyset$ ,  $y = \emptyset$ ; 79.

public Rect cardRect(int cardValue, int width, int height) { if (cardValue % 4 == 0) { x = cardValue / 4 - 1;80. 81. y = 4;} else { 82. 83. x = cardValue / 4;84. y = cardValue % 4; 85. } 86. 87. int left = x \* width;

int top = (y - 1) \* height;

int right = (x + 1) \* width;

return new Rect(left, top, right, bottom);

int bottom = (y) \* height;

PS: 斗地主还是可以做成很复杂的。相关图片

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}

</span>

}

sort(person3); }

} // 将其排序 sort(person1); if (i == 1) { } // 将其排序 sort(person2); **if** (i == 2) { for (int j = 0; j < 17; j++) { person3[j] = pukes[k++]; // 将其排序

/\*\* 分牌 \*/ private void personHold(int[] pukes) { int k = 0; for (int i = 0; i < 3; i++) {</pre> **if** (i == 0) { for (int j = 0; j < 17; j++) { person1[j] = pukes[k++]; for (int j = 0; j < 17; j++) { person2[j] = pukes[k++];

private final Cards mCards = Cards.getInstance(); public int[] person1 = new int[17]; public int[] person2 = new int[17]; public int[] person3 = new int[17]; // 余下三张属于地主的 public int[] threePukes = new int[3]; public Person() { personHold(mCards.pukes);

<span style="font-size:18px;color:#3333ff;">package com.bison.utils;

for (int i = 0; i < 54; i++) {</pre> pukes[i] = i + 1;Random rdm = new Random(); for (int i = 0; i < 54; i++) { // random.nextInt();是个前闭后开的方法: 0~53 int rdmNo = rdm.nextInt(54); int temp = pukes[i]; pukes[i] = pukes[rdmNo]; pukes[rdmNo] = temp;

private static Cards cardsInstance = null; public static Cards getInstance() { if (cardsInstance == null) { cardsInstance = new Cards();

// src = person.cardRect(person.person3[j], pukeWidth, // dst.set(this.screenWidth - 10 - pukeWidth, j \* 20, // this.screenWidth - 10, j \* 20 + pukeHeight); c.drawBitmap(backgroundPuke, deskWidth - 35 - pukeWidth, 85, null); private void deskthreePukes(Canvas c, int pukeWidth, int pukeHeight) { for (int i = 0; i < 3; i++) {</pre> src = person.cardRect(person.threePukes[i], pukeWidth, pukeHeight); dst.set(280 + i \* pukeWidth, 12, 280 + (i + 1) \* pukeWidth,12 + pukeHeight); c.drawBitmap(sourceBitmap, src, dst, null); public boolean onTouchEvent(MotionEvent event) { return super.onTouchEvent(event); public void surfaceChanged(SurfaceHolder holder, int format, int width, public void surfaceCreated(SurfaceHolder holder) { this.thread.setFlag(true); public void surfaceDestroyed(SurfaceHolder holder) { this.thread.setFlag(false); } catch (InterruptedException e) { e.printStackTrace(); } // 刷帧线程,这个不解释,实在看不懂,M我: 289302487@qq.com class FlushThread extends Thread { private boolean flag = false; private final int span = 500; private final GameView gameView; private final SurfaceHolder holder; public FlushThread(SurfaceHolder holder, GameView gameView) { this.gameView = gameView; this.holder = holder; @Override public void run() { Canvas canvas; while (this.flag) { canvas = null; try { canvas = this.holder.lockCanvas(null); synchronized (this.holder) { this.gameView.onDraw(canvas);

// src = person.cardRect(person.person1[j], pukeWidth, // dst.set(10, j \* 20, 10 + pukeWidth, j \* 20 + pukeHeight); c.drawBitmap(backgroundPuke, 35, 85, null); src = person.cardRect(person.person2[j], pukeWidth, dst.set(left + j \* 25, this.deskHeight - 20 - pukeHeight, left + j \* 25 + pukeWidth, deskHeight - 20); c.drawBitmap(sourceBitmap, src, dst, null); this.holder.unlockCanvasAndPost(canvas); } catch (InterruptedException e) {