Tetris - Basic Implementation Practice for Android

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Debugging, Better version

to implement, except the queueEvent GLSurfaceView vs threads left to be the big challenge (or if after all details having been done, if the game IS REALLY smooth, I may not need implement either of those then).

• I may need to think how to organize the different objects. For projection related methods, there maybe better

way to code then what I have right now, but this is the trial implementation, and I need to think about them.

will try to rewirte motion event a little bit (slightly change touch motion event definitions according to previous

Projection is basically smooth now, this is pretty much all the features that I have ever thought and wanted

- After game in shape for projection, will rethink about motion events, or GLSurfaceView for queueEvent.
- After game in shape for projection, will retillink about motionevents, or Gesuraceview for queues vent.

DrawingFun app), if doesn't work as expected, then try GLSurfaceView queueEvent.

- apply MotionEvent queue, use either SurfaceView with multiple threads (if possible) or GLSurfaceView.
- apply sound effects to make the game more fun.
- The above 2, either one goes first.
- One more "Hold" choice besides the Next Rect for peek, lower priority.
- Noticed more bugs, but I am currently focusing on make the game super.
- Fixed minor mindless codes when I coded with headache.
- Fixed all the noticed carelessly-produced flying bugsss…. A basic game is in good shape now, will work on "polish" for viewing, sounds, efficiency during following days when I have time.
- Has good chance/potential to make it a great game with Event Queue for motion events.
- Recently sick, and last night got very bad sleep for about 4 hours (6am 10am), not in very good condition now.
- Because used SurfaceView threading, the game is much more smoother than the previous version, ideas are pretty straight forward, but still debugging...

• Debugging, and production is on the way. 其它类似游戏参考 $\mathbf{2}$

Deeper summary, android graphics architecture: http://hukai.me/android-deeper-graphics-architecture

· Android threading is something that I have barely tried before, but I will work on this one this time, hopefully

- iTetris 俄罗斯方块 2.1
- 这是一款针对手机触屏的经典俄罗斯方块,可以选择传统及酷炫模式,用户可根据各自喜好自定义游戏背景。
 - 1. 尽量大的利用屏幕空间显示游戏,加大了游戏的可玩性

人性化的操作体验,让您重温儿时经典。该款游戏特征:

will make this TTetris a fully functional game for major functionality.

- 2. 支持触屏手势,同时支持虚拟按键
- 3. 虚拟方向按键盘初始化在右上角,用户可长按按键盘中心提起按键盘,拖动到自己任意觉得顺手的地方
- 4. 长按游戏空间任何地方可以隐藏、显示方向按键盘
- 5. 长按虚拟键盘中左中下键将发送连续按键信息,达到加速效果
- 6. 触摸游戏规则:点击屏幕改变方块形状;左右滑动改变方块左右位置,位置改变幅度与手指滑动速度与幅度 有关,例如幅度较小滑动,方块将运行一格的位置,稍大滑动将运行两格位置,等等。向下加速也是这样。
- 7. 支持自定义游戏背景,如果有好的背景图片,用户可自行进入"菜单-游戏背景"里选择图片进行设置 References
- eventQueue vs SurfaceView threads
- 2 threads, load, read, http://blog.csdn.net/hellogv/article/details/5986835
- 3.2Canvas Path subclass • how to define drawLine to be drawShapes?
- SurfaceView 3.3

3

- - Surface runnable http://android.okhelp.cz/surfaceview-implements-runnable-android-code/
- - Example: http://technicalsearch.iteye.com/blog/1967616
 - http://www.jcodecraeer.com/a/anzhuokaifa/androidkaifa/2012/1201/656.html
 - Event Queue: http://www.leestorm.com/post/17.html
- lockCanvas(Rect $\sqrt{\boxtimes}$) http://blog.csdn.net/alexander_xfl/article/details/13000347
 - example: http://fanli7.net/a/JAVAbiancheng/ANT/20120424/160203.html
 - MotionEvent: http://android.jobbole.com/82072/
 - surfaceview 双缓冲: http://blog.csdn.net/cnbloger/article/details/7404485 sth worth try: http://www.lxway.com/969295592.htm

 - Dont Understand: http://blog.sina.com.cn/s/blog_5a6f39cf01012rtv.html
 - tried: http://bbs.csdn.net/topics/370074255 drawBitmap 2 canvas slightly complicated: http://www.lxway.com/148606691.htm
 - slightly complicated: http://www.lxway.com/186948856.htm

http://www.cnblogs.com/akira90/archive/2013/03/10/2952886.html

- Android 触摸手势基础官方文档概览: http://www.lxway.com/445554926.htm
- 手势: http://wiki.jikexueyuan.com/project/material-design/patterns/gestures.html
- http://www.lxway.com/601620614.htm

3.4

gestures

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- 例子: http://bbs.chinaunix.net/thread-3634477-1-1.html
- 例子: http://www.bestappsmarket.com/p/app?appId=1192877&title=tetris-%E4%BF%84%E7%BD%97%E6%
- 例子: http://bbs.chinaunix.net/thread-3634477-1-1.html
- left right: http://www.jb51.net/article/77028.htm
- AI: http://www.cnblogs.com/youngshall/archive/2009/03/24/1420682.html

• iTetris: http://searchapp.soft4fun.net/article/information/iTetris%20%E4%BF%84%E7%BD%97%E6%96

- 3/11/2016 Friday
- https://github.com/Almeros/android-gesture-detectors mac
- http://www.jcodecraeer.com/a/anzhuokaifa/androidkaifa/2015/0211/2467.html
- http://www.hejun.biz/81.html
- http://www.jb51.net/article/38166.htm
- http://www.jb51.net/article/37717.htm
- http://mobile.51cto.com/aprogram-394841.htm
- TetrisBattle 特殊轉入教學 (ZSJLI)
 - https://www.youtube.com/watch?v=zW6Gp_7j19I
- 推箱子: 第 11 章 Android 游戏开发视频教程益智游戏——推箱子
 - https://www.youtube.com/watch?v=glzxII1-POA 2.5D
- 祖码游戏的设计与实现