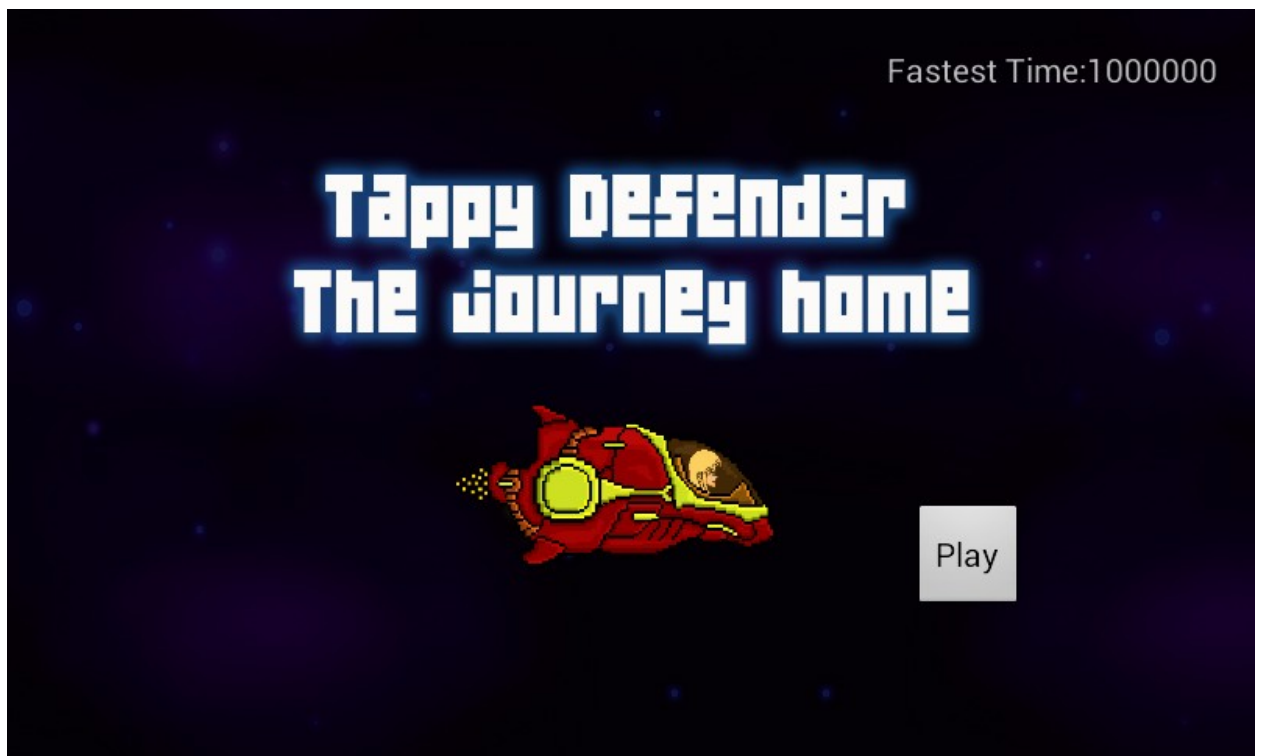


Android Game Programming by Example

Chapter 1: Player 1 UP



Fastest:1000.000s

Time:6.392s

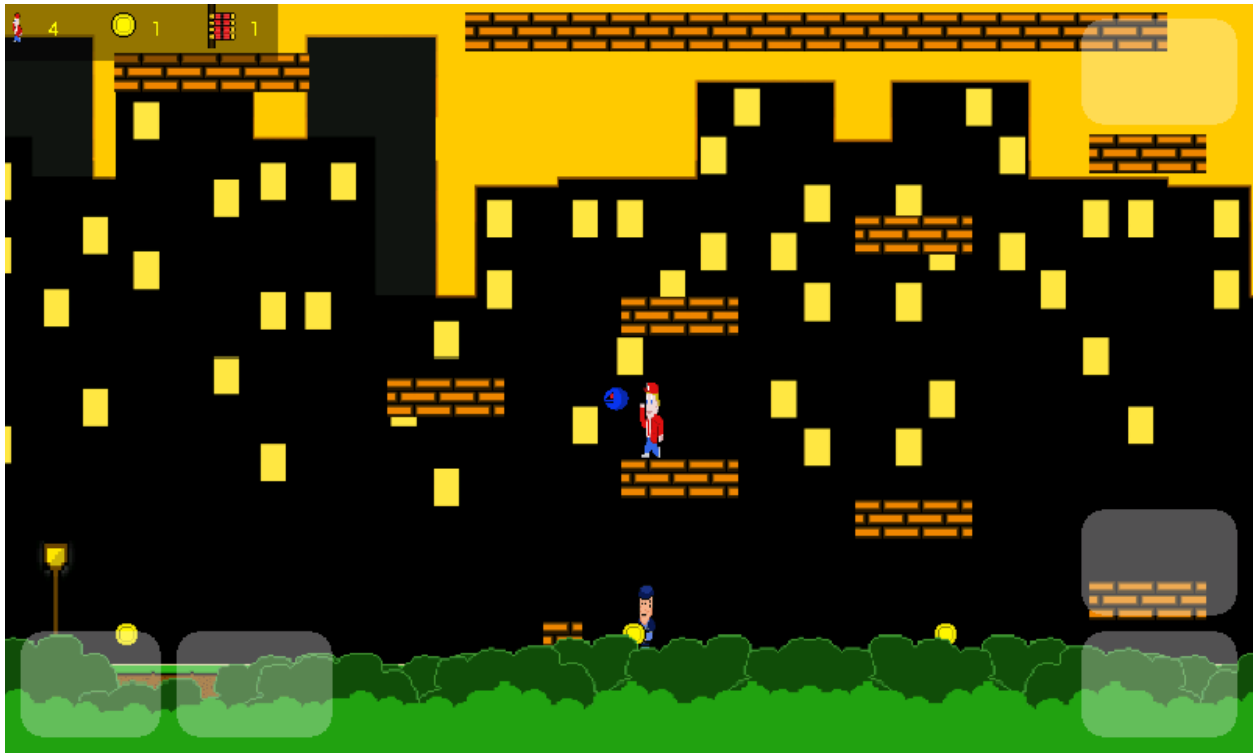


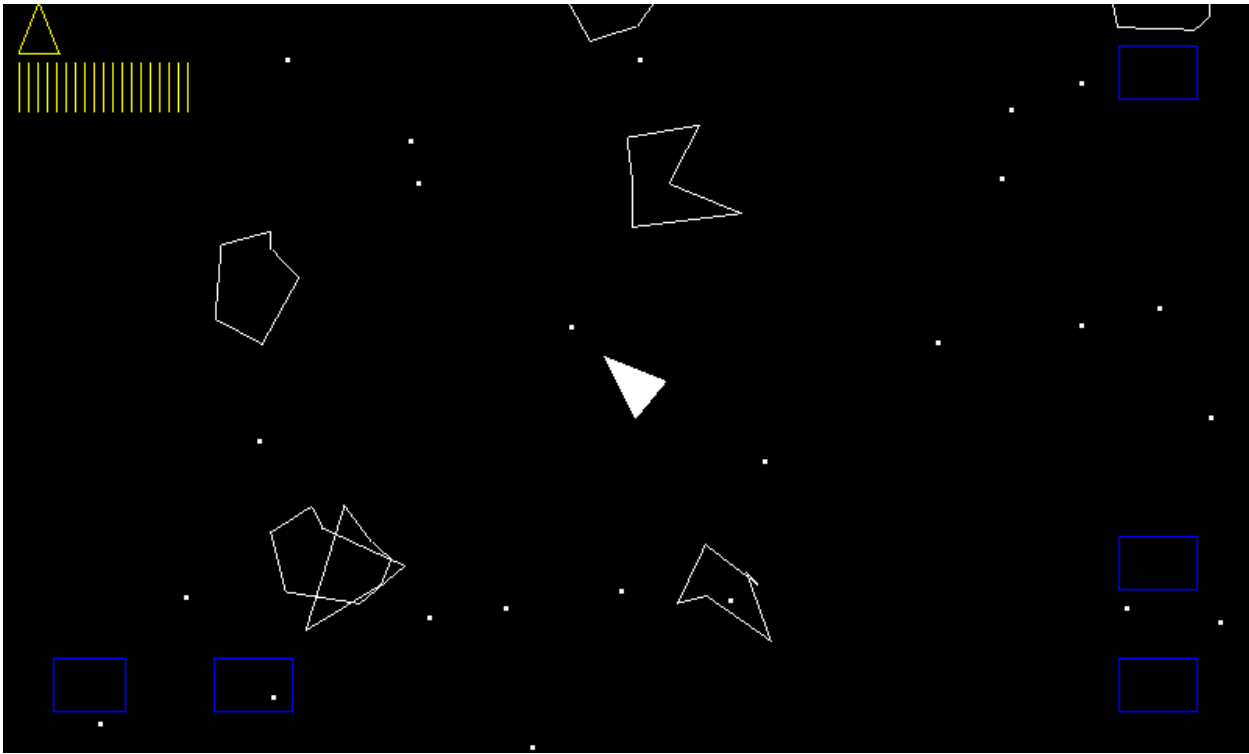
Shield:9994

Distance:7.198 KM

Speed:1200 MPS







JDK

DOWNLOAD 


Server JRE

DOWNLOAD 

JRE

DOWNLOAD 

System

Manufacturer:	TOSHIBA
Model:	Personal Computer
Rating:	 Windows Experience Index
Processor:	Intel(R) Core(TM) i7 CPU Q 740 @ 1.73GHz 1.73 GHz
Installed memory (RAM):	8.00 GB
System type:	64-bit Operating System
Pen and Touch:	No Pen or Touch Input is available for this Display

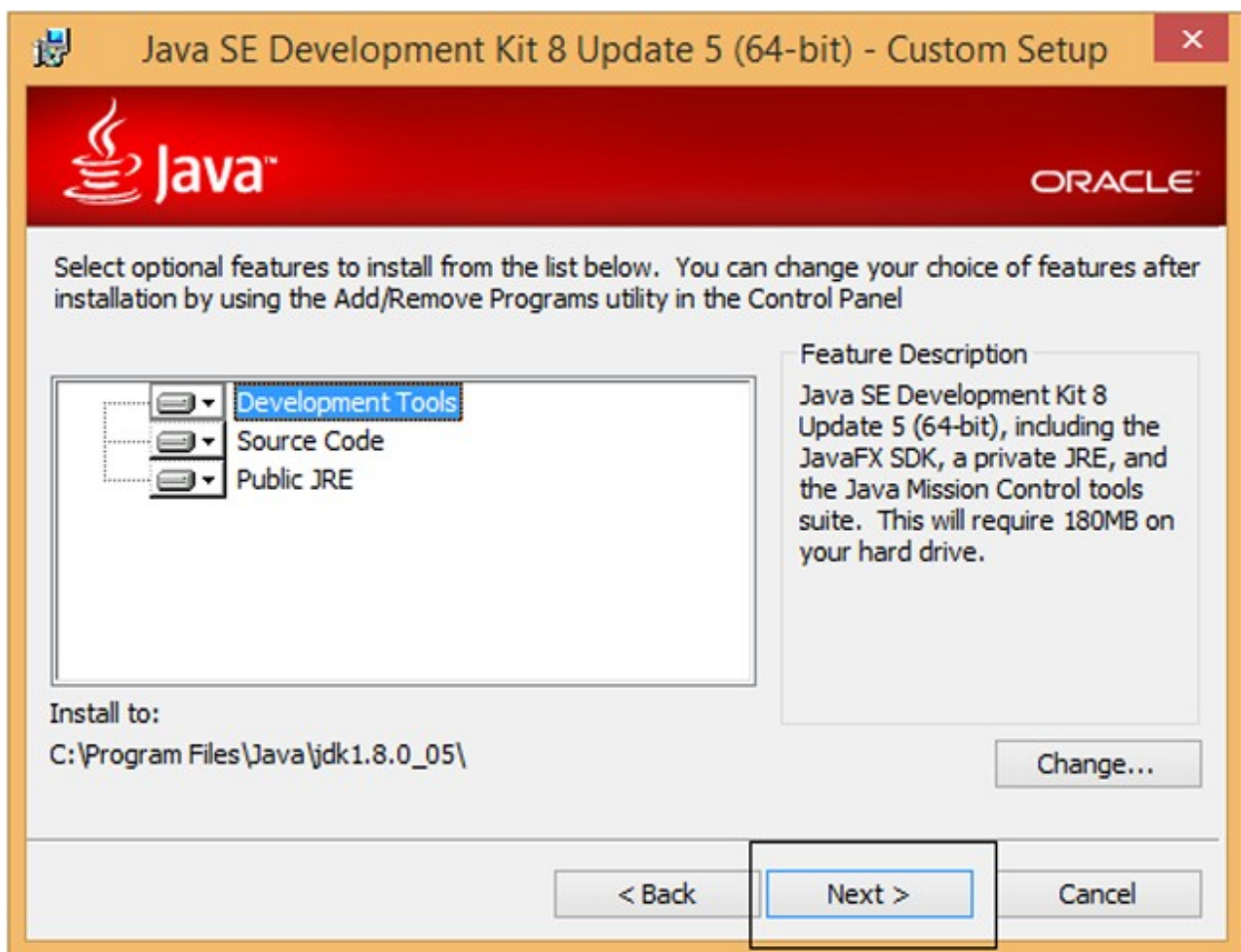
You must accept the Oracle Binary Code

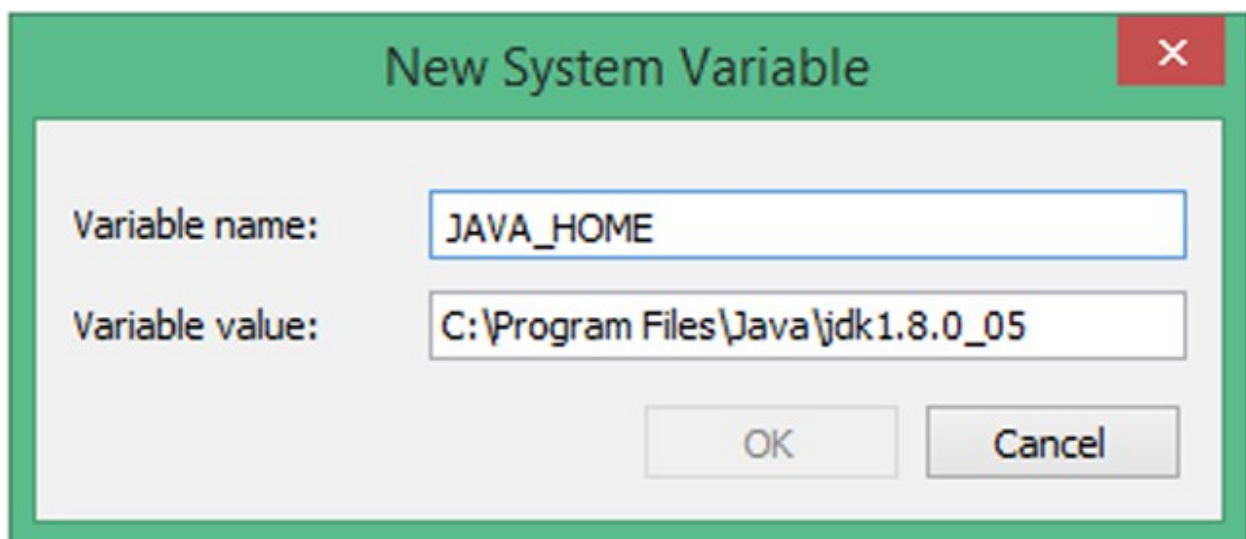


Accept License Agreement



Decline





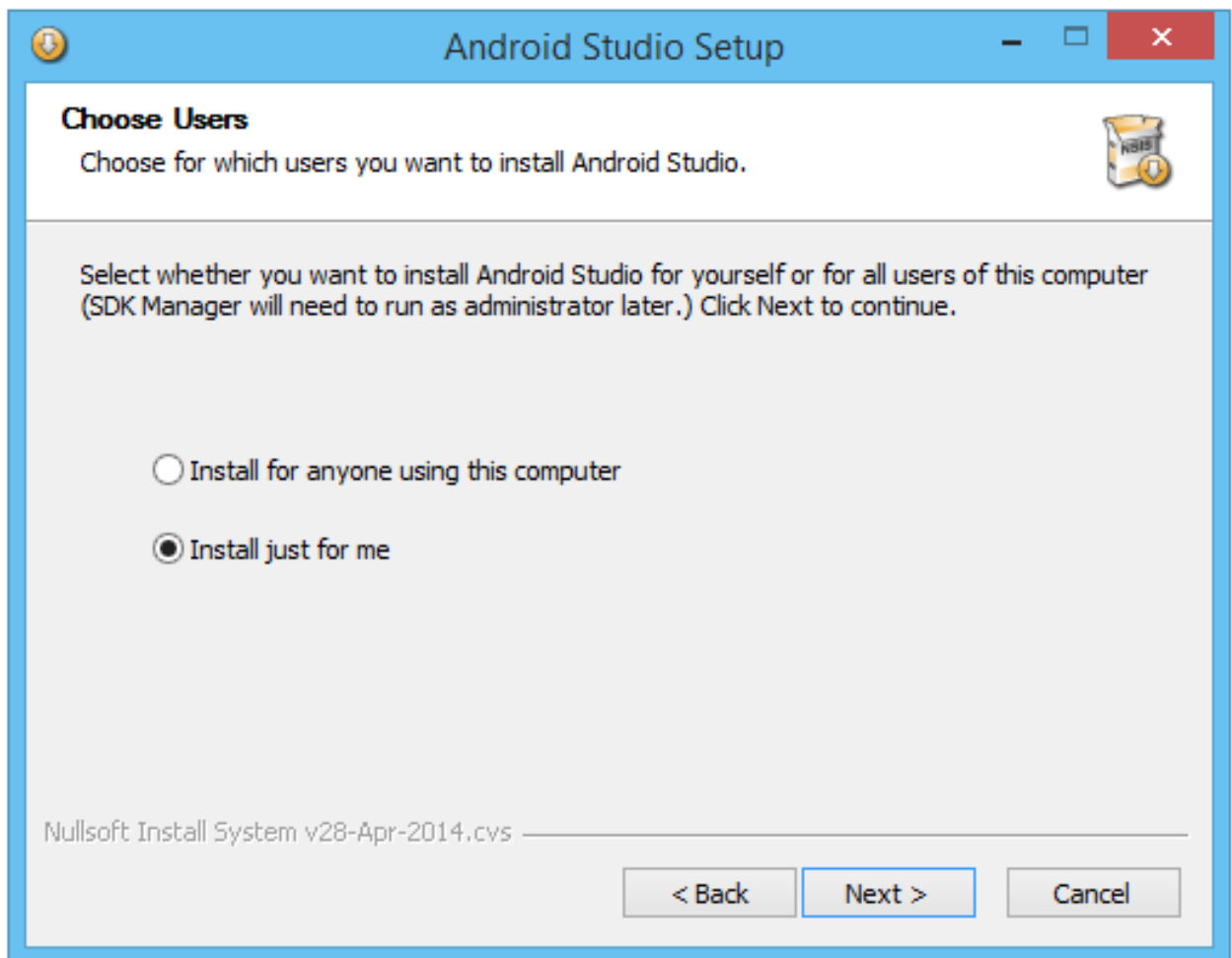
A screenshot of a Windows 'New System Variable' dialog box. The dialog has a green title bar with the text 'New System Variable' and a red close button in the top right corner. The main area is light gray and contains two text input fields. The first field is labeled 'Variable name:' and contains the text 'JAVA_HOME'. The second field is labeled 'Variable value:' and contains the text 'C:\Program Files\Java\jdk1.8.0_05'. At the bottom right of the dialog are two buttons: 'OK' and 'Cancel'.

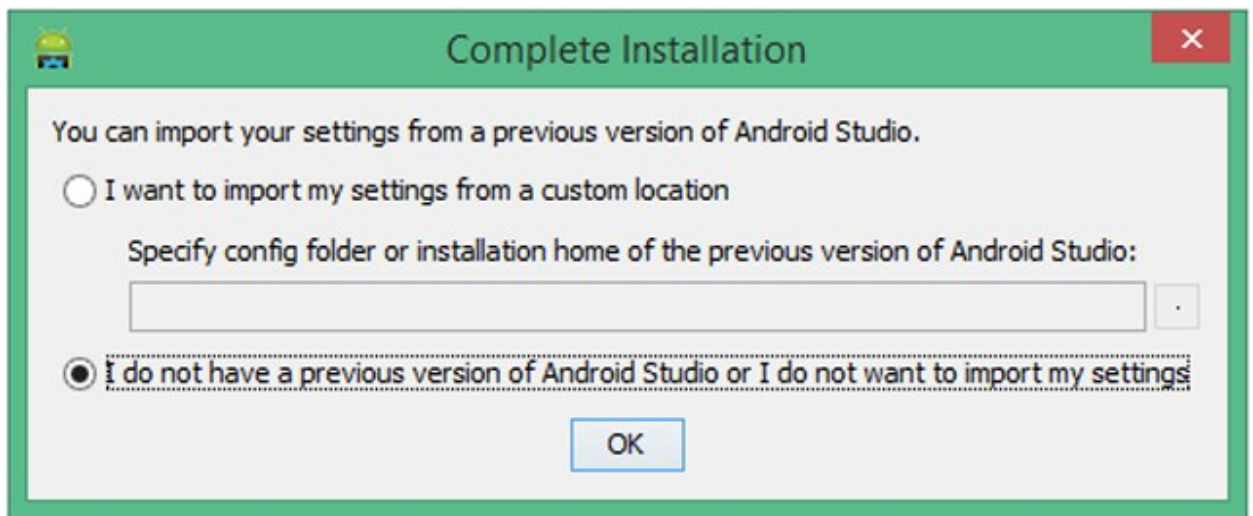
New System Variable

Variable name:

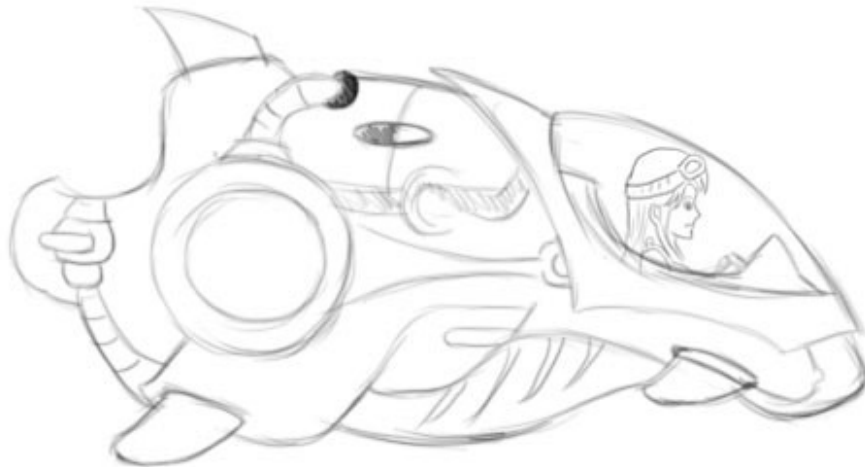
Variable value:

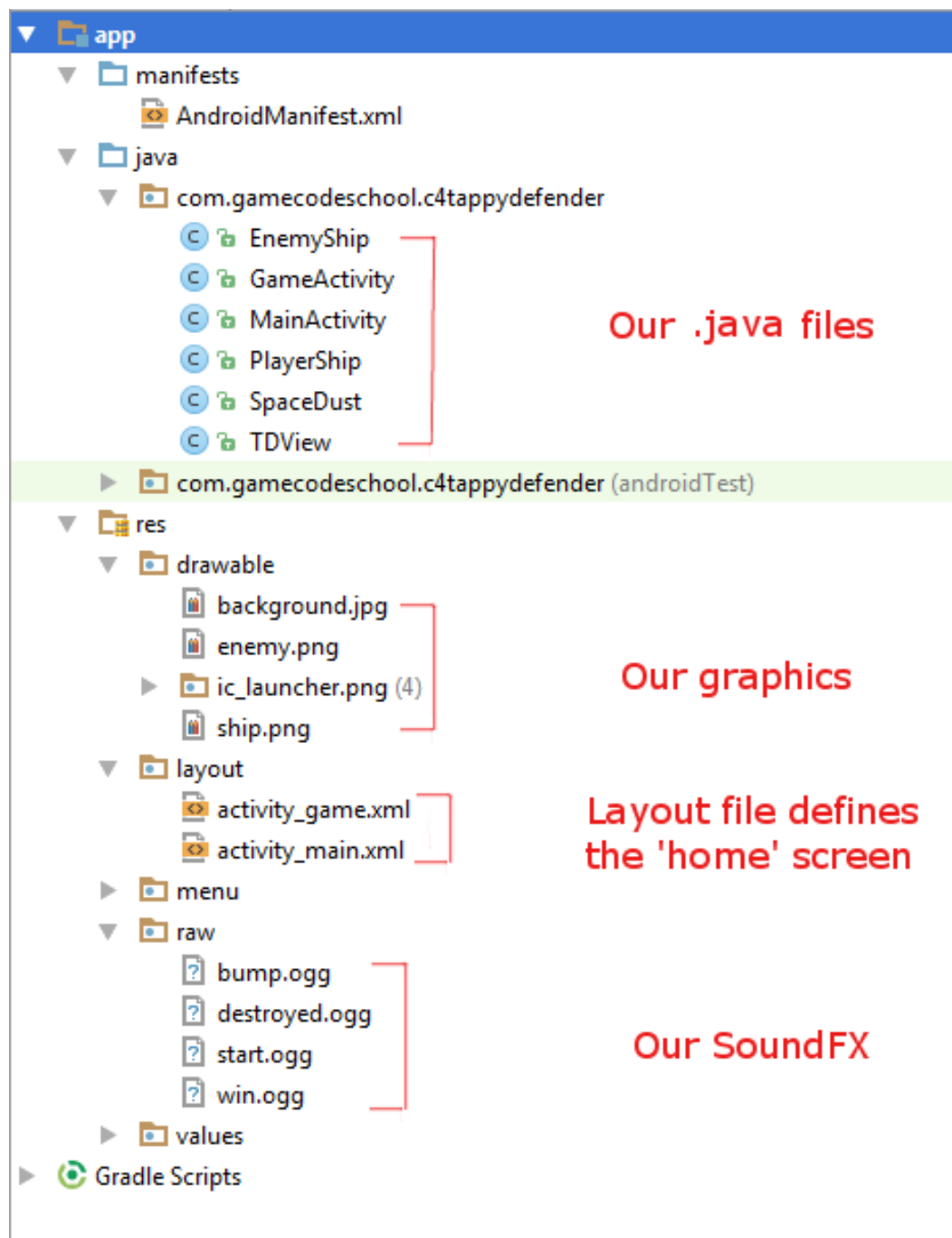
OK Cancel

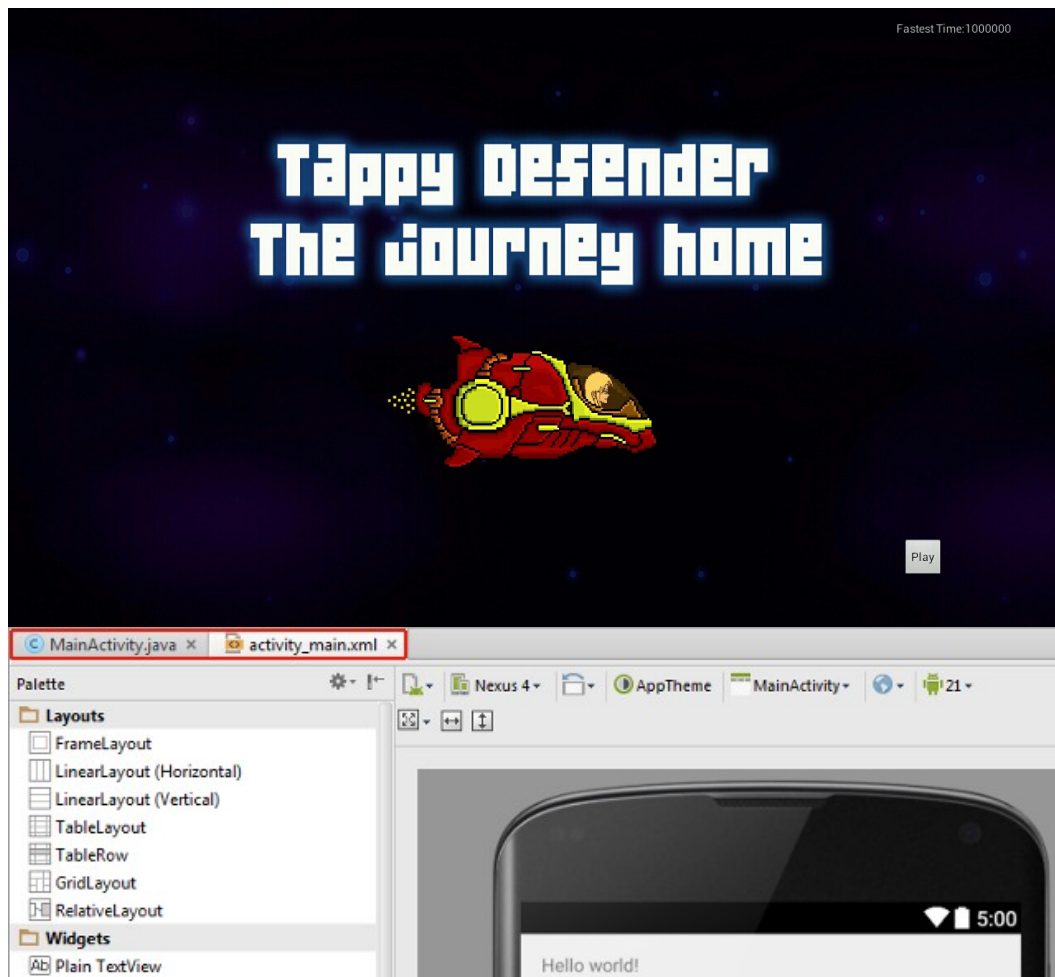


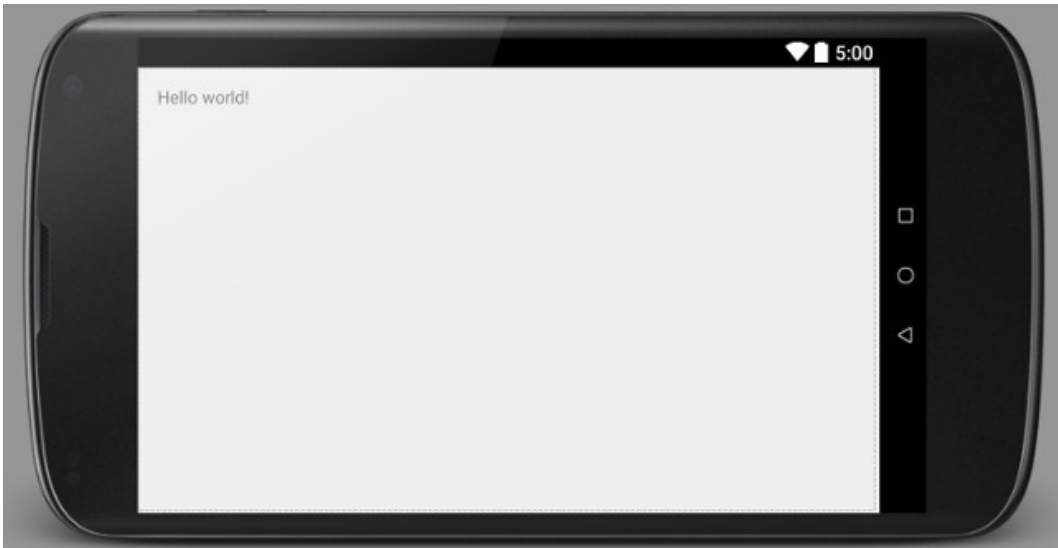


Chapter 2: Tappy Defender –First Step

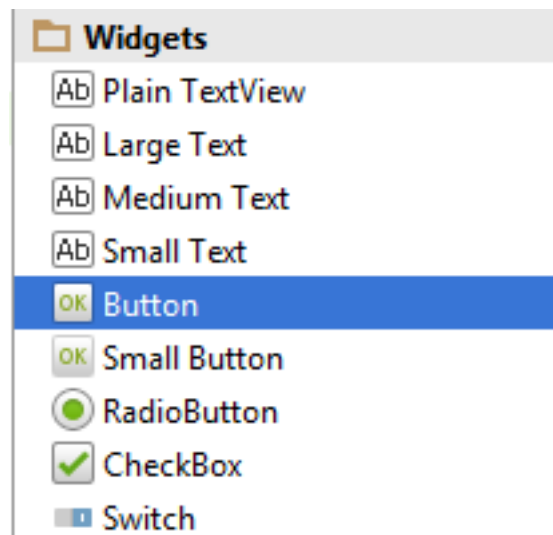




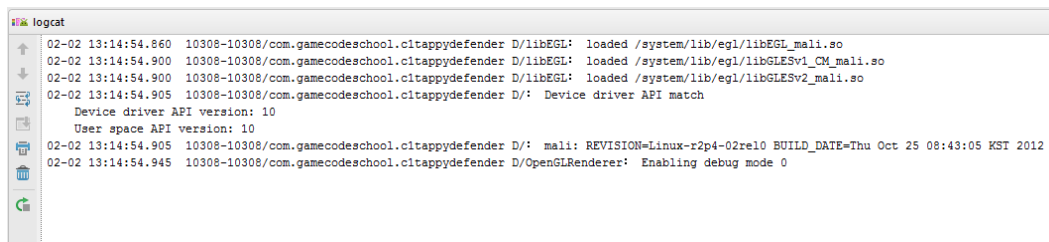
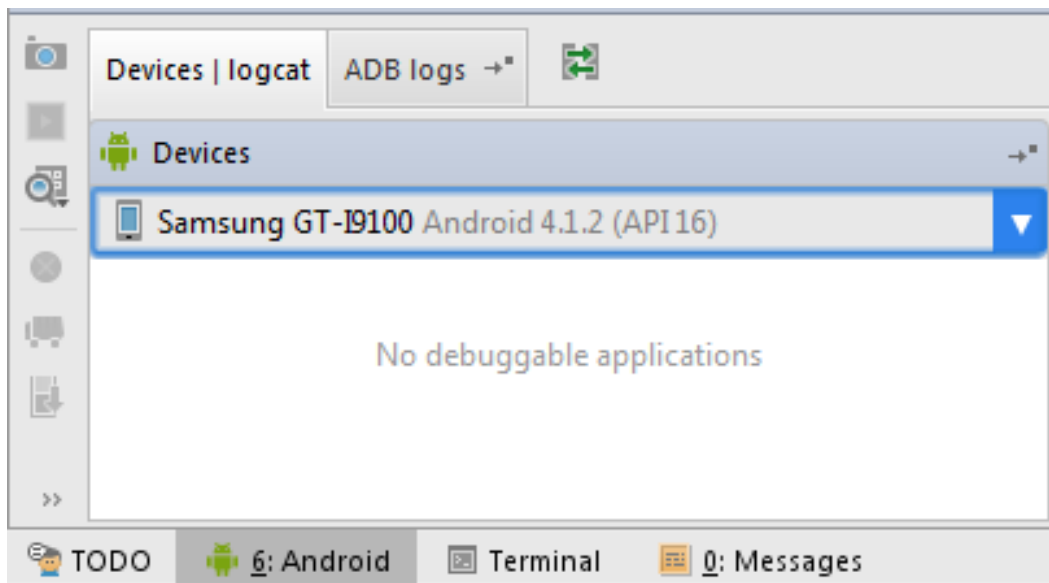




Properties		? ↶ 🔍	
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layout:height	match_parent		
style			
accessibilityLiveRegion			
alpha			
background	<input type="text"/>	<input data-bbox="1122 699 1195 768" type="button" value="..."/>	
backgroundTint			
backgroundTintMode			
clickable	<input type="checkbox"/>		
contentDescription			
elevation			
focusable	<input type="checkbox"/>		
focusableInTouchMode	<input type="checkbox"/>		
▶ gravity	[]		
id			
ignoreGravity			
importantForAccessibility			
labelFor			
layoutMode			
longClickable	<input type="checkbox"/>		
minHeight			
minWidth			



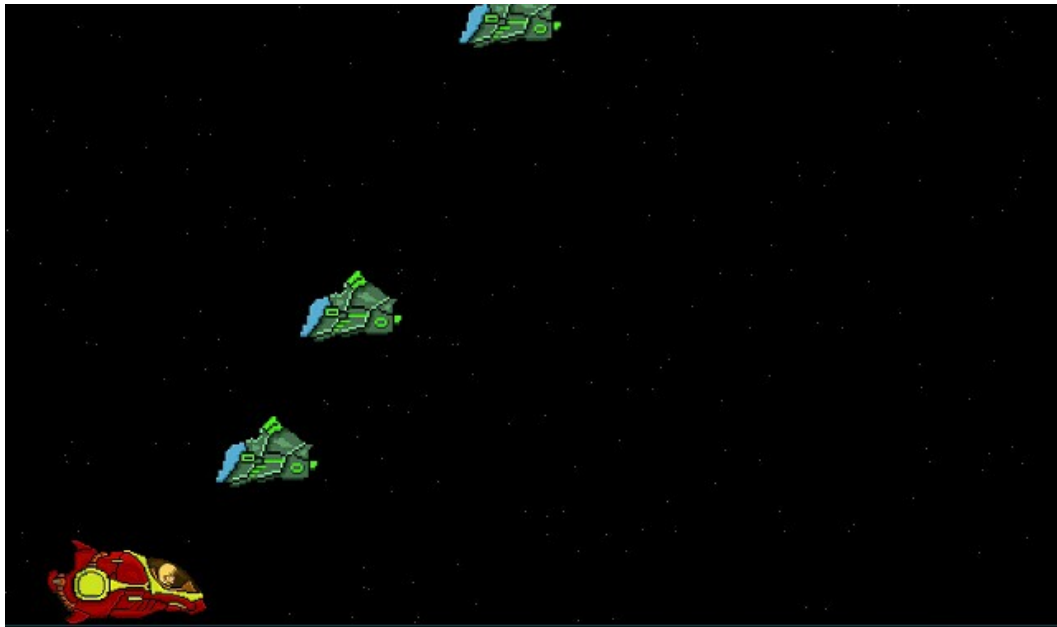


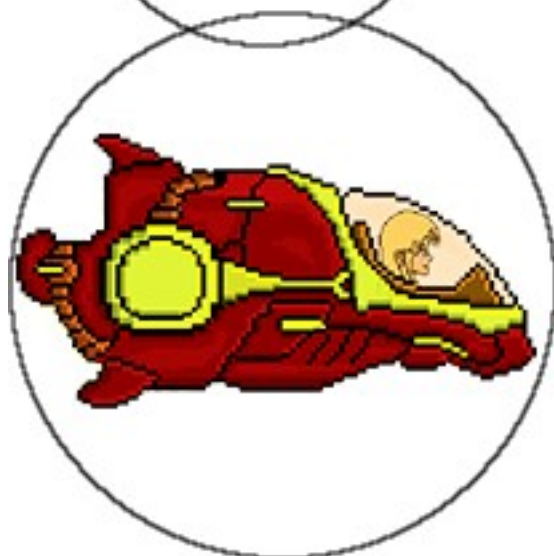


Chapter 3: Tappy Defender – Taking Flight

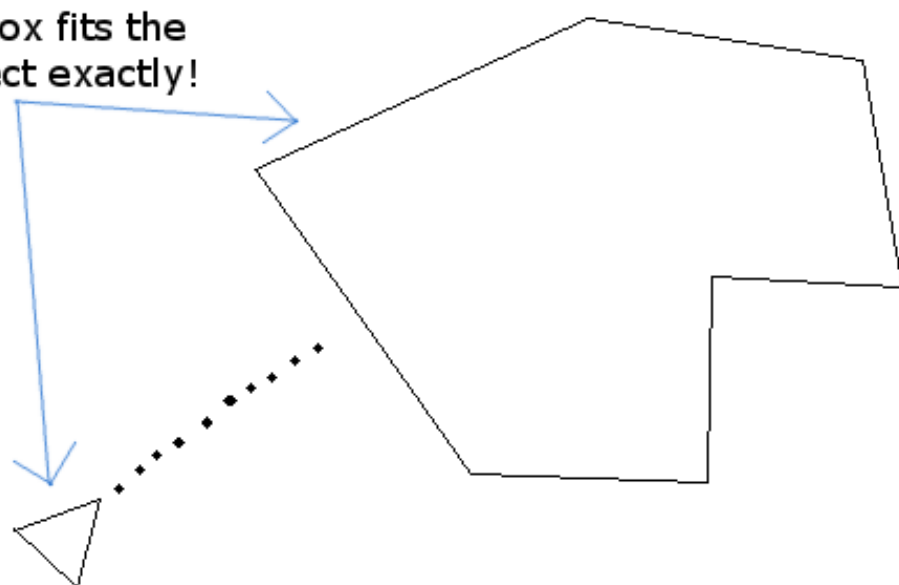
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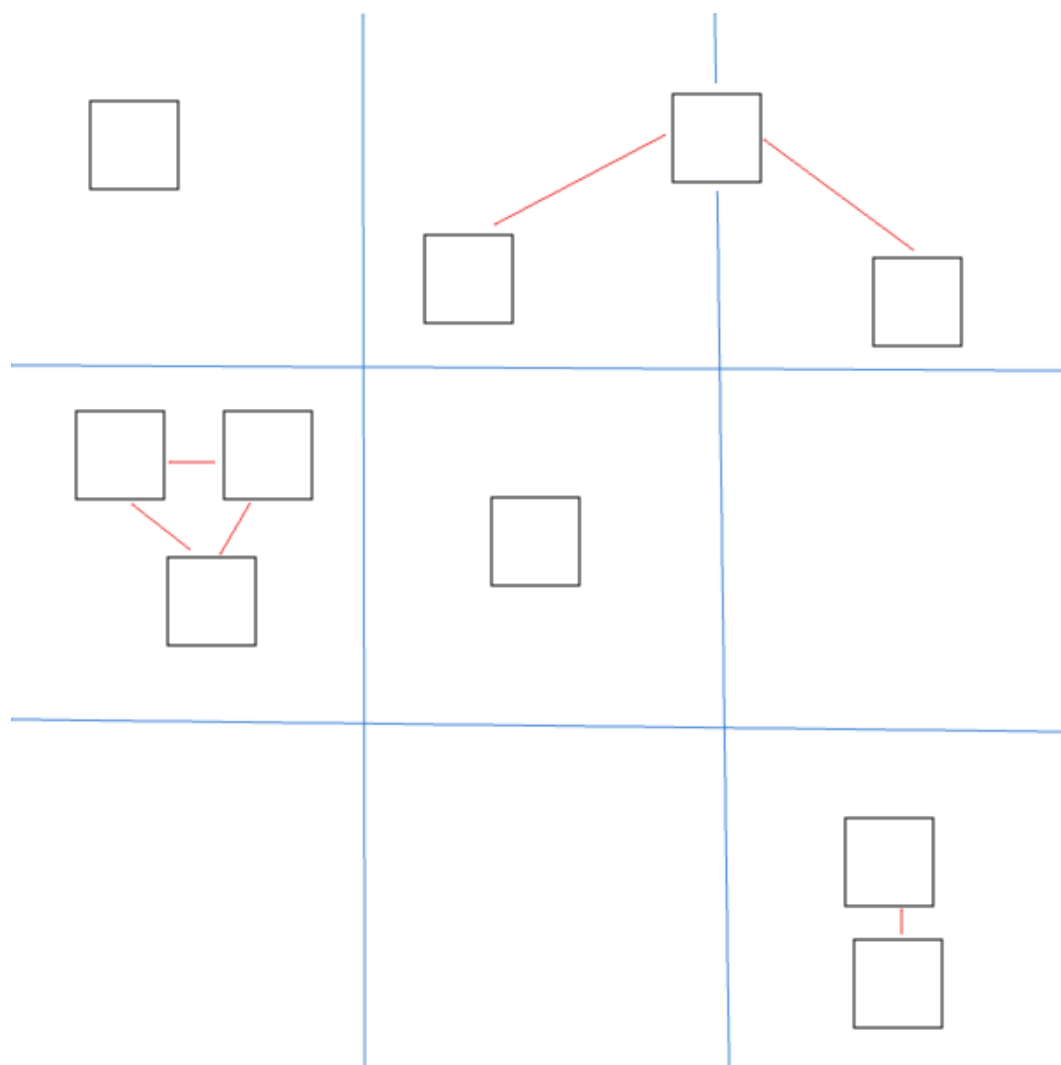






Hitbox fits the
object exactly!







Chapter 4: Tappy Defender – Going Home

Fastest:22914s

Time:27426s



Shield:9999

Distance:8.622 KM

Speed:60 MPS



Game Over



Fastest:14363s

Time:14363s

Distance remaining:0.0 KM

Tap to replay!



Pickup/Coin

Laser/Shoot

Explosion

Powerup

Hit/Hurt

Jump

Blip/Select

Randomize

Mutation

☒ Create New Sound

Apply Synth

Revert Synth

Duplicate Synth

Jump

X

SynthMixer

Triangle

Sin

Square

Saw

Breaker

Tan

Whistle

White

Pink

Attack Time

Sustain Time

Punch

Decay Time

Compression

Frequency

Frequency Cutoff

Frequency Slide

Delta Slide

Vibrato Depth

Vibrato Speed

Harmonics

Harmonics Falloff

Pitch Jump Repeat Speed

Pitch Jump Amount 1

Pitch Jump Onset 1

Pitch Jump Amount 2

Pitch Jump Onset 2

Square Duty

Duty Sweep

Repeat Speed

Flanger Offset

Flanger Sweep

Low-pass Filter Cutoff

☒ Play On Change

Play

Master Volume

Export Wav

Load from Disk

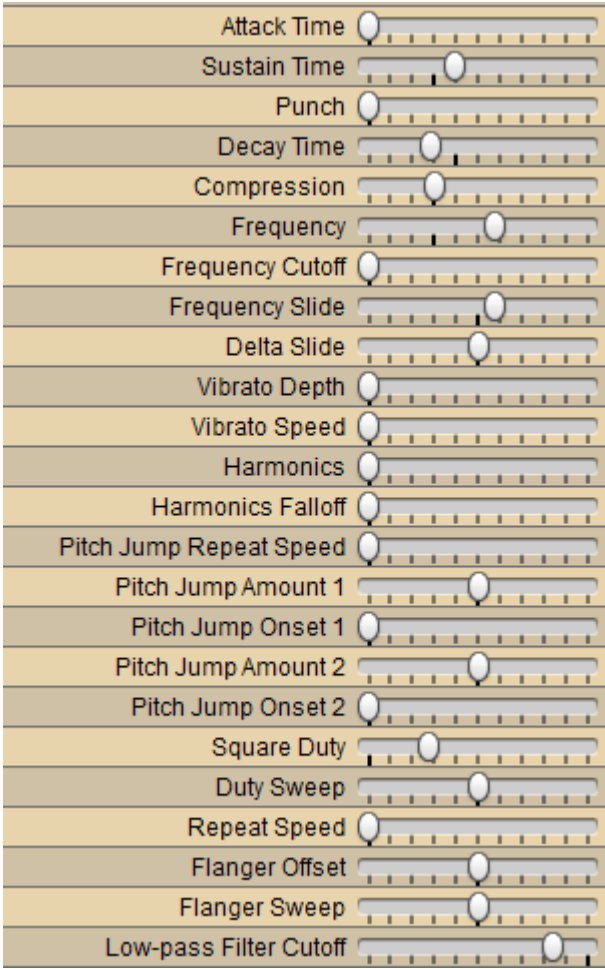
Save to Disk

Copy

Paste

Copy Link

About



Pickup/Coin
Laser/Shoot
Explosion
Powerup
Hit/Hurt
Jump
Blip/Select
Randomize
Mutation

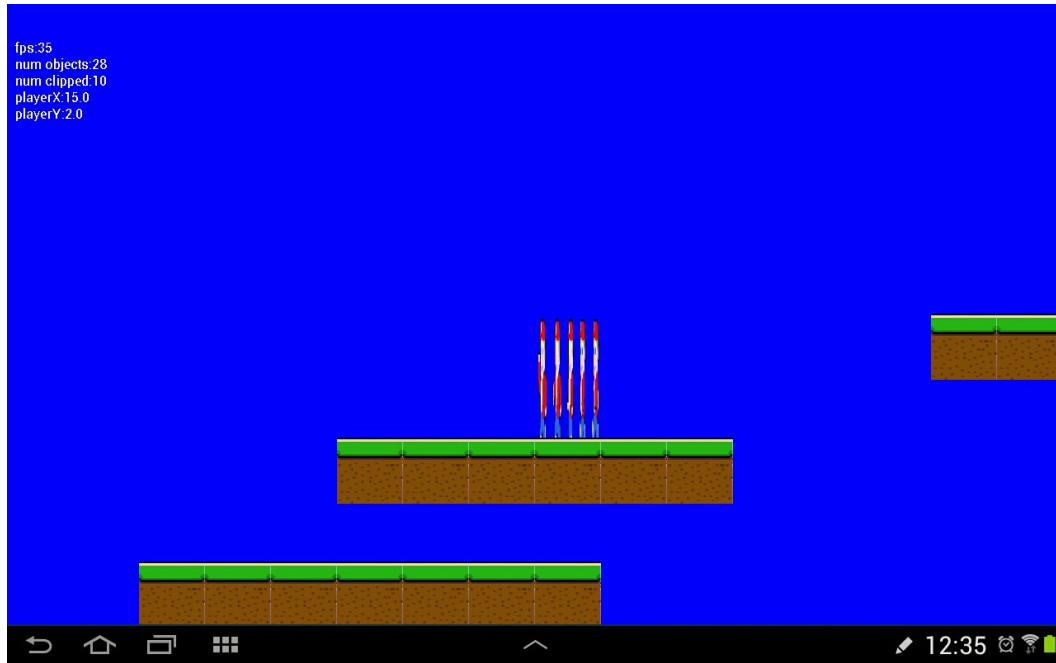
Export Wav	▼
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Time:10407s

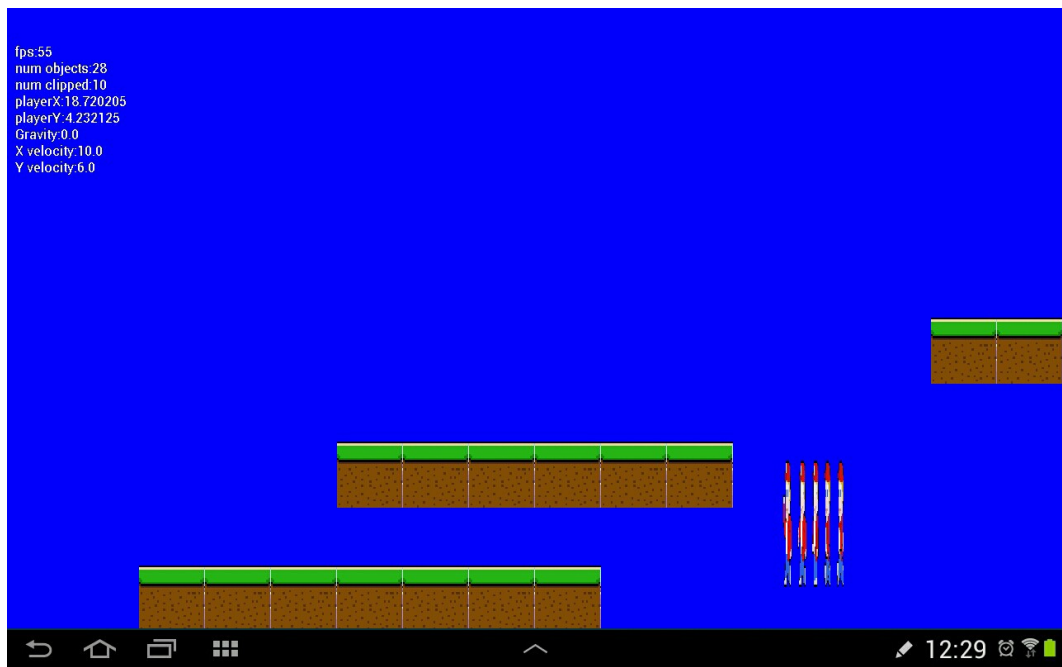


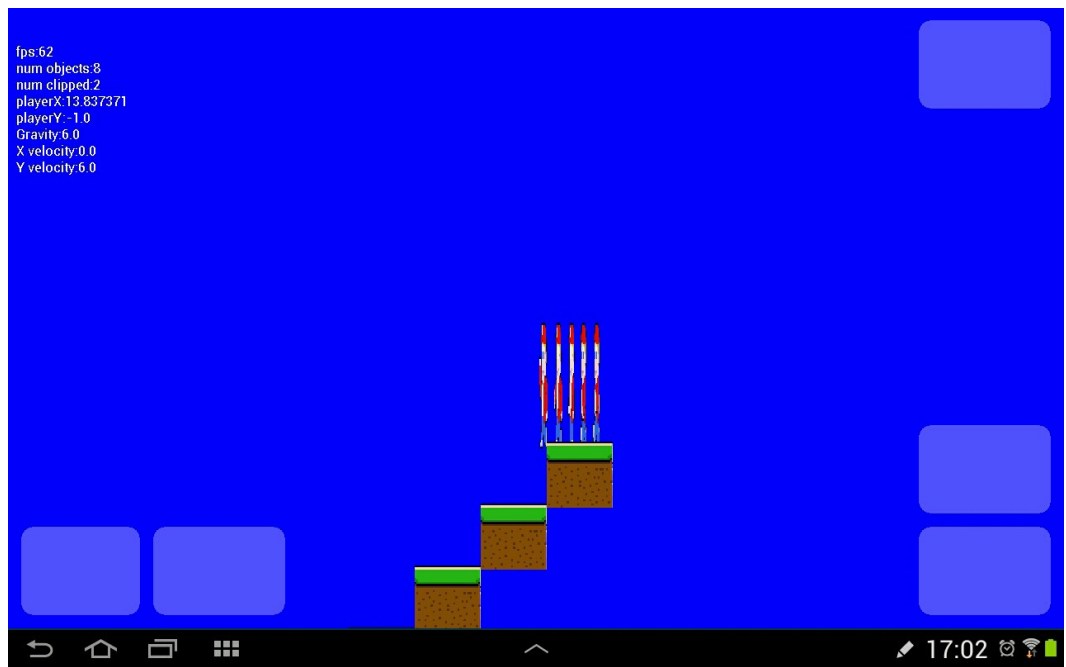
Chapter 5: Platformer – Upgrading the Game Engine

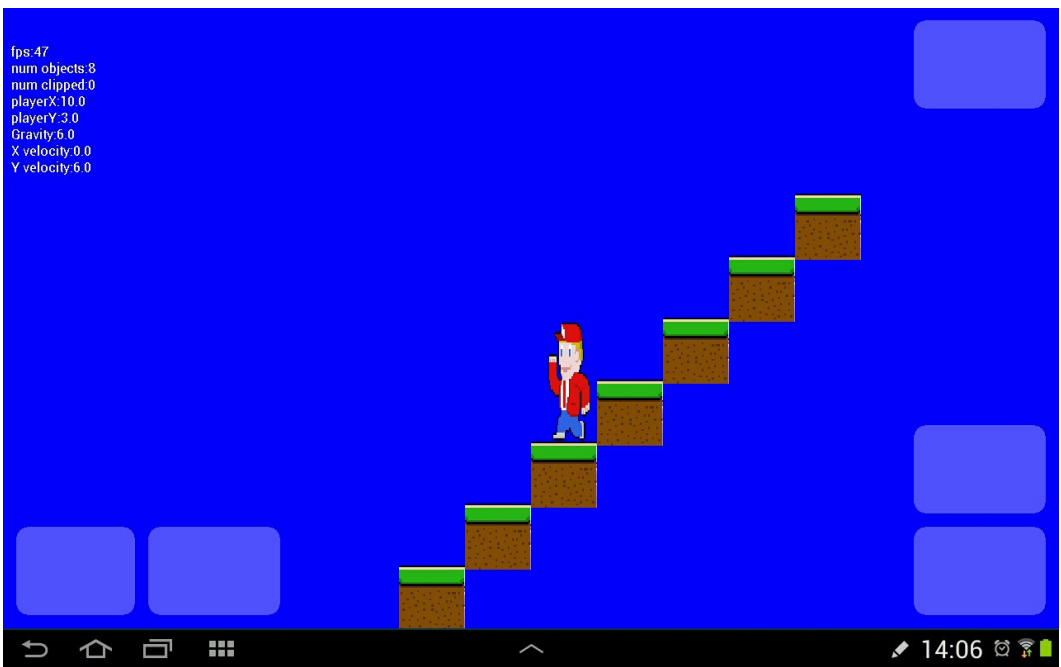


Chapter 6: Platformer – Bob, Beeps, and Bumps

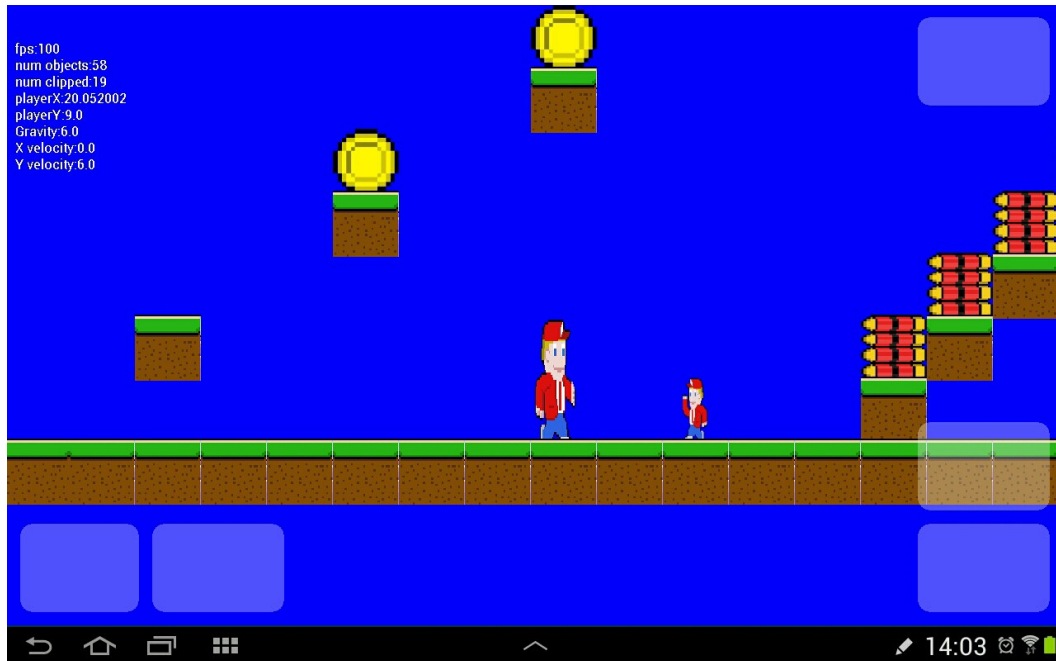


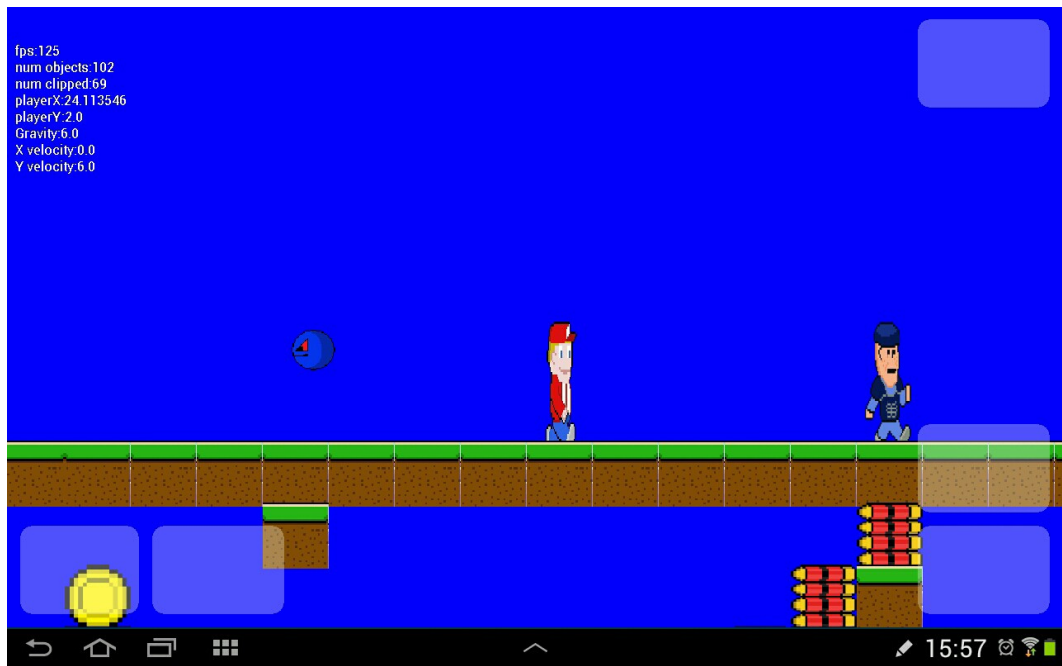
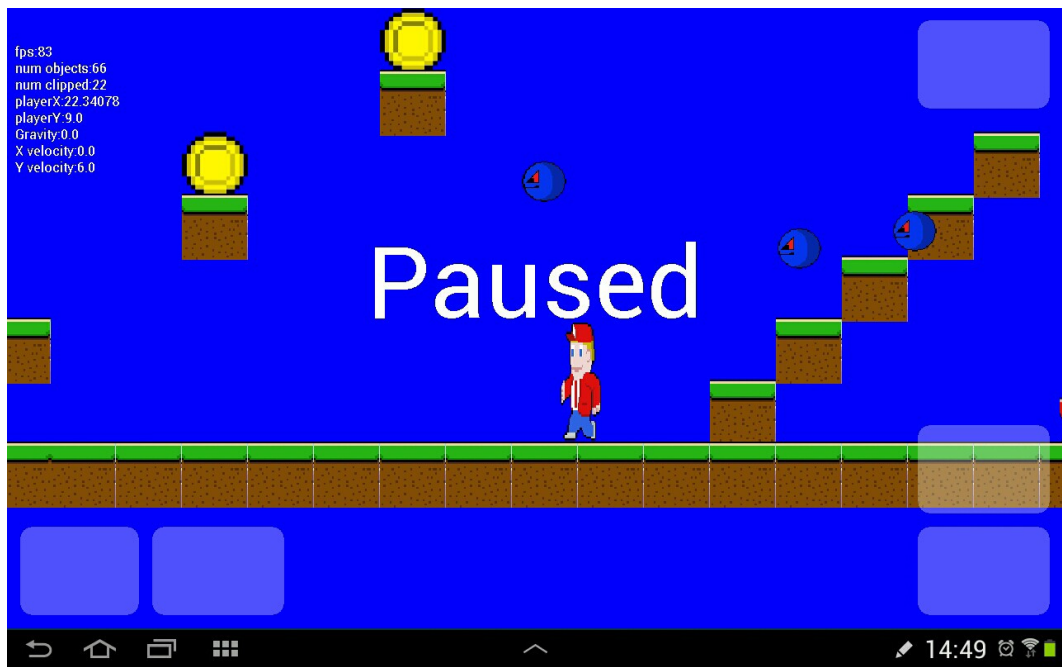




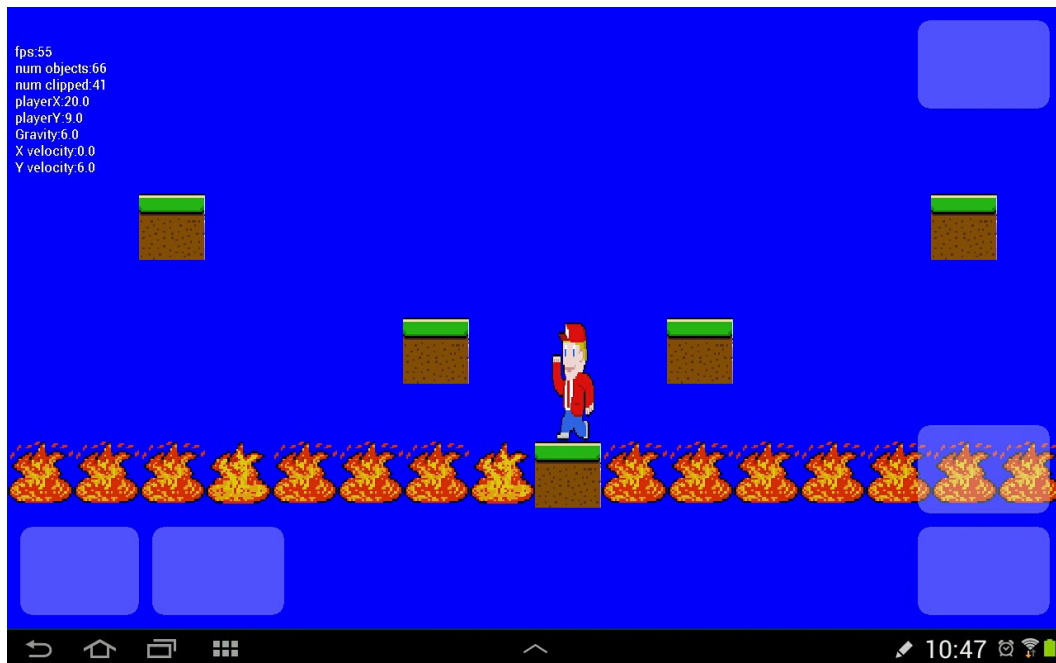


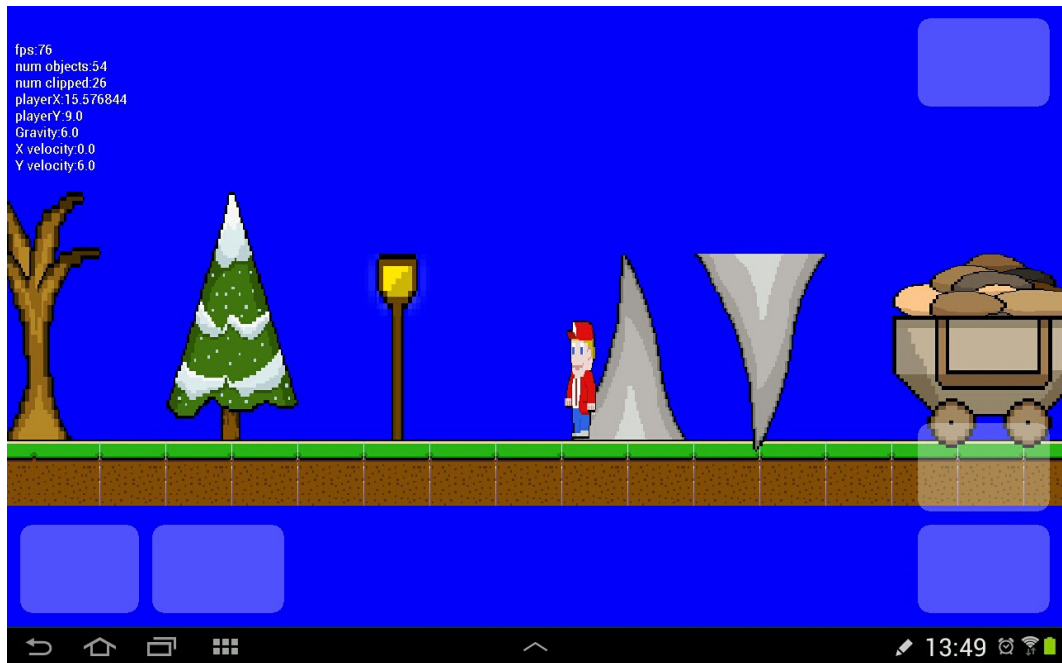
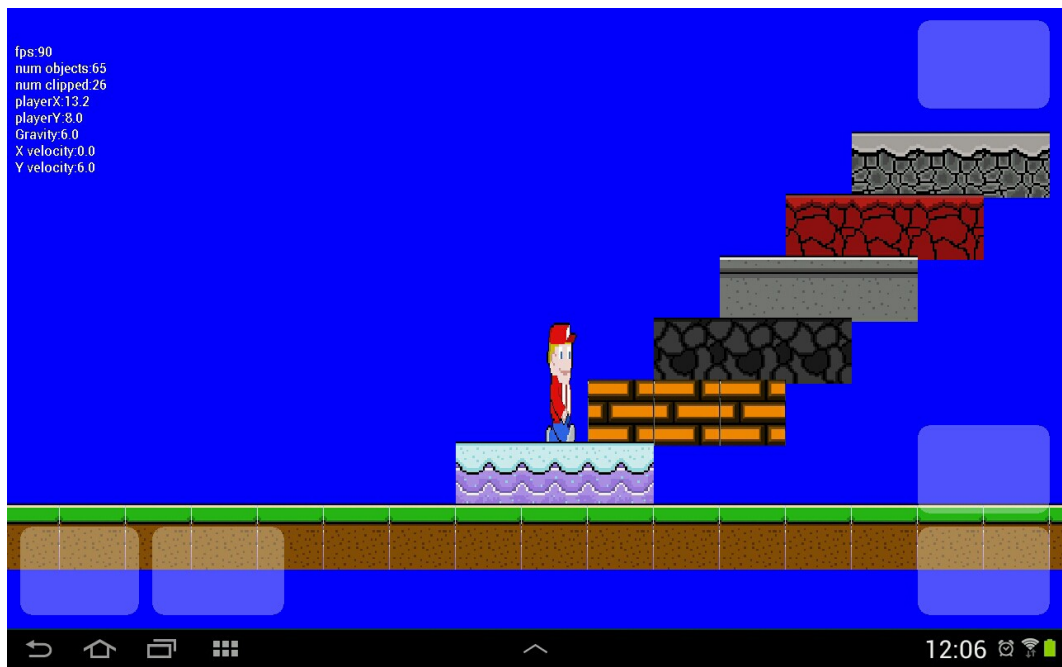
Chapter 7: Platformer – Guns, Life, Money, and the Enemy

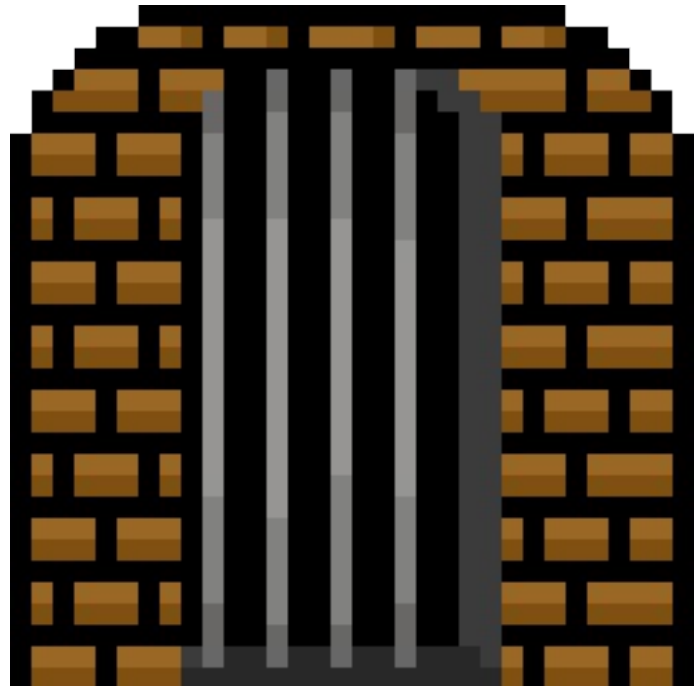
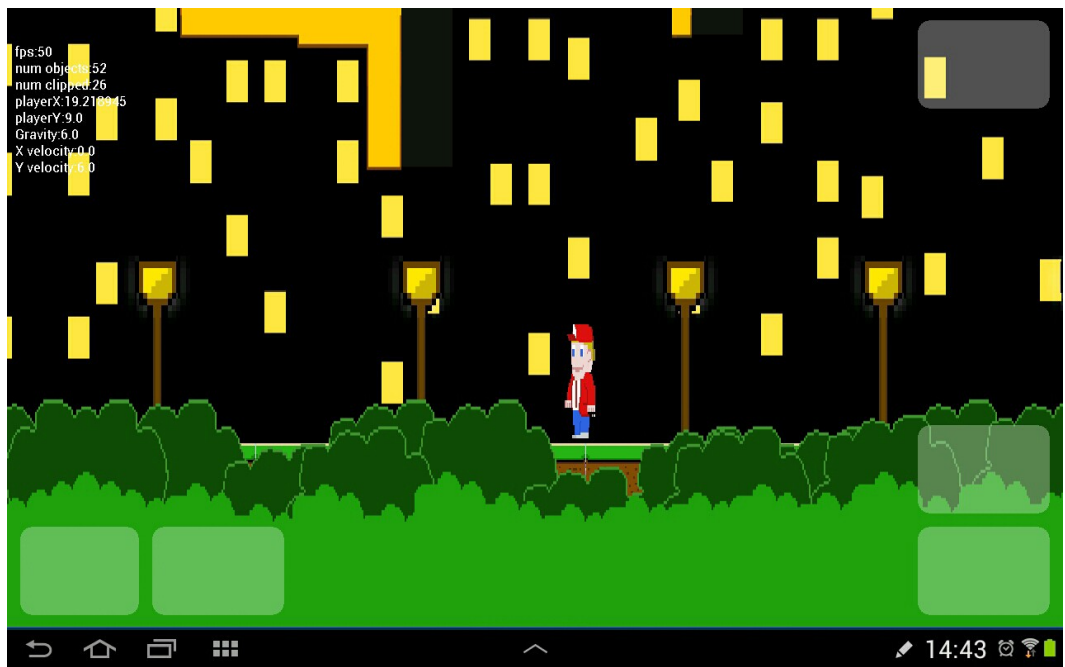


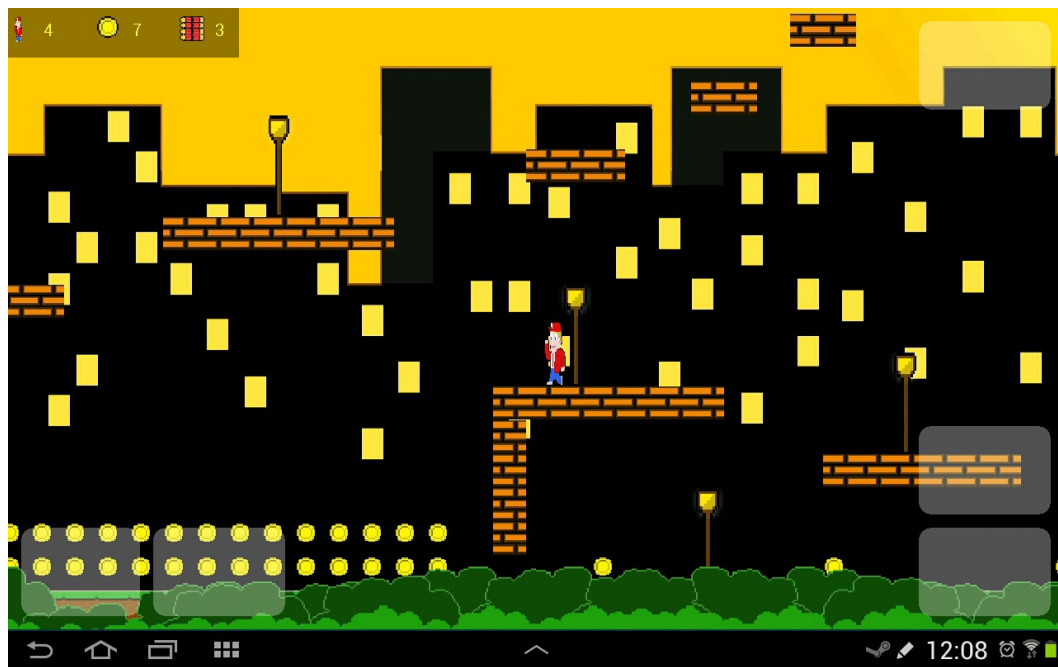


Chapter 8: Platformer – Putting It All Together

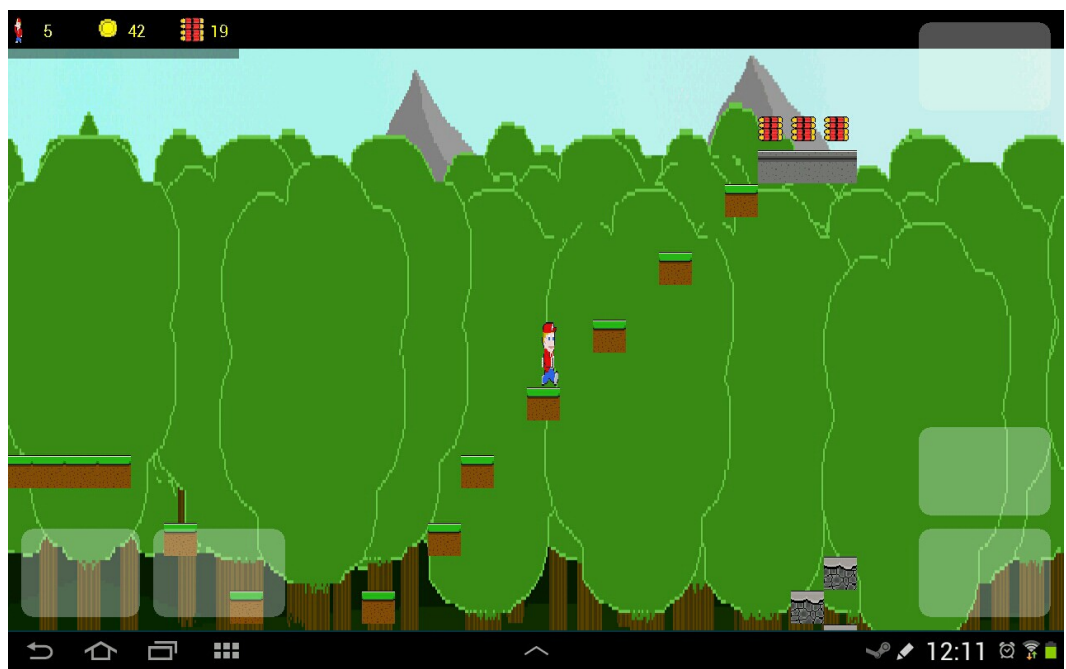


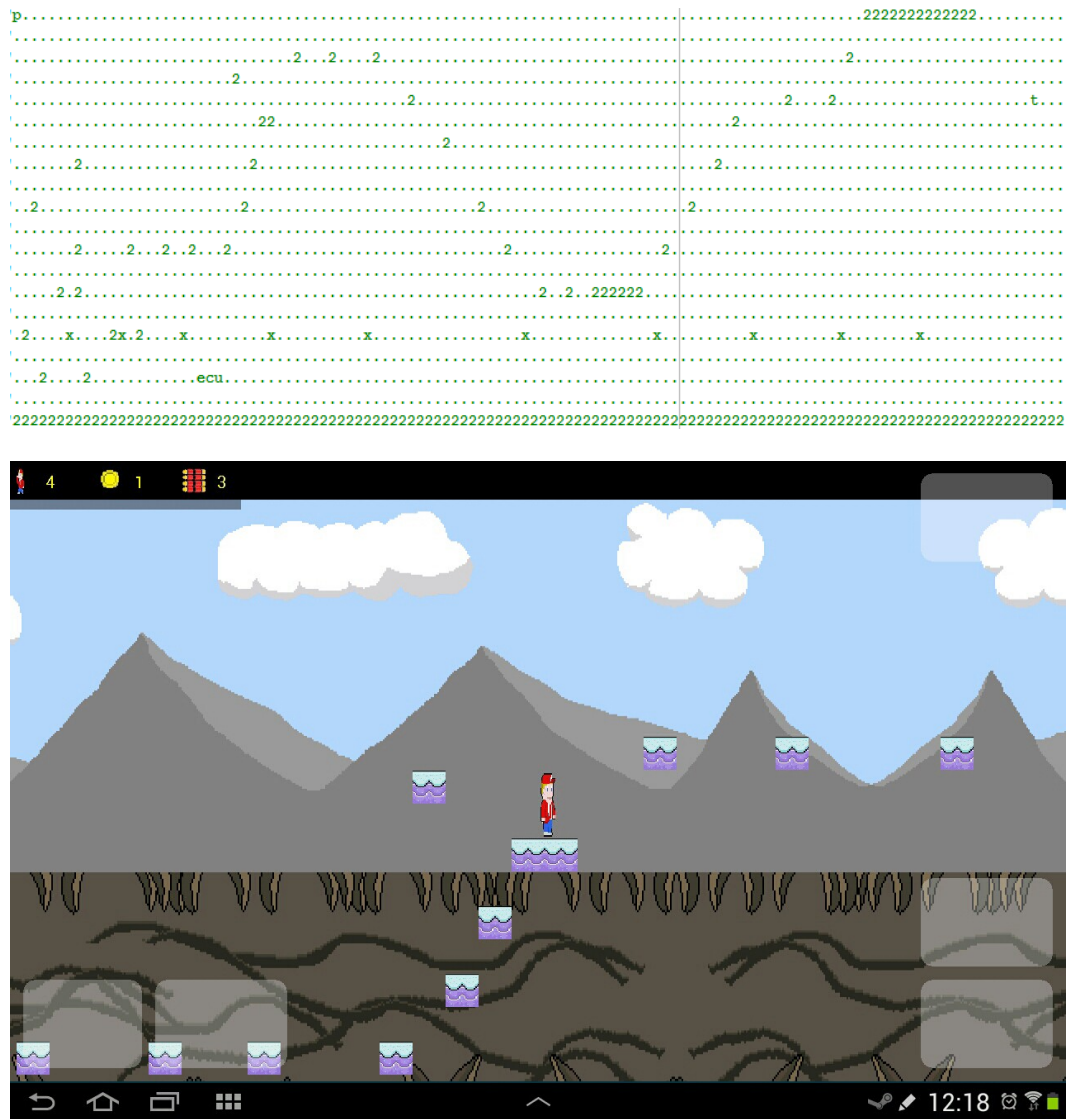




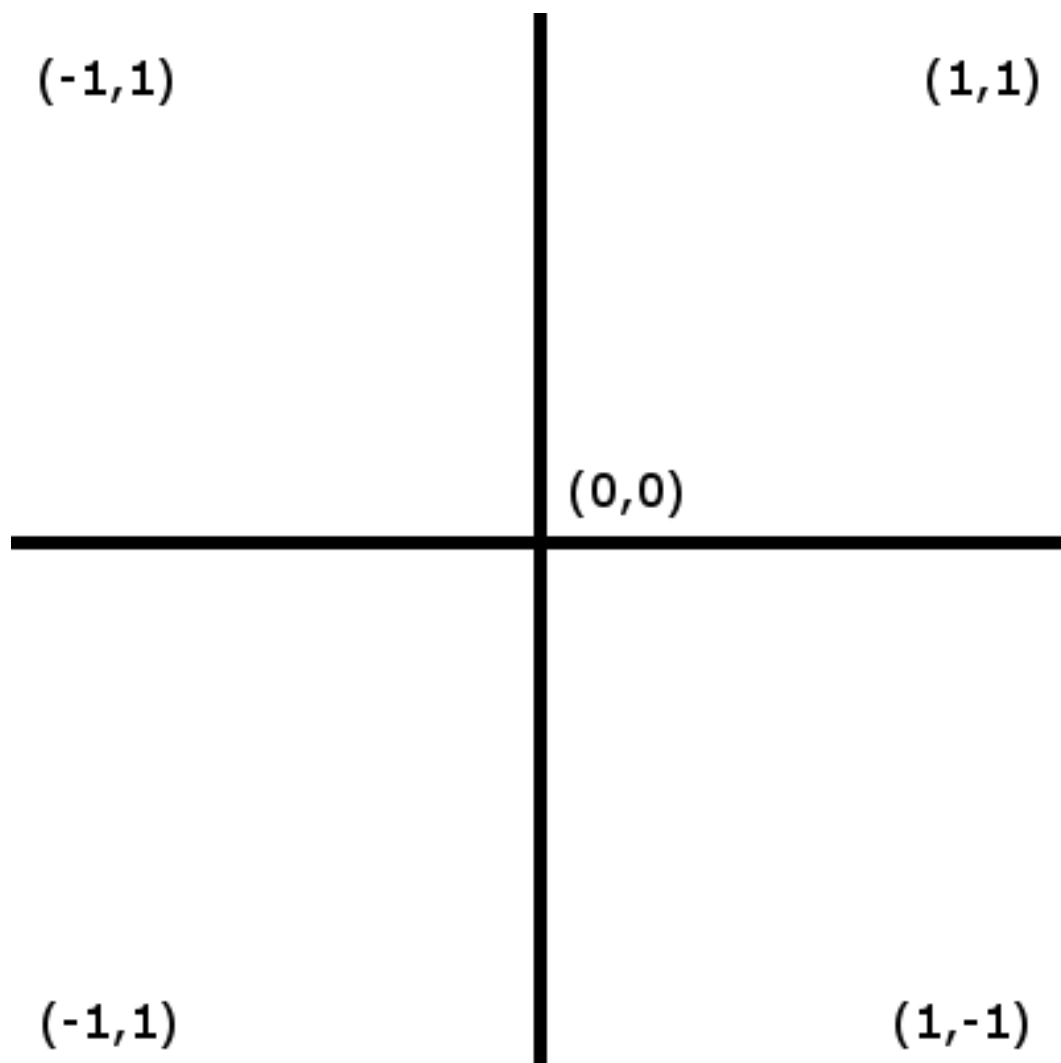
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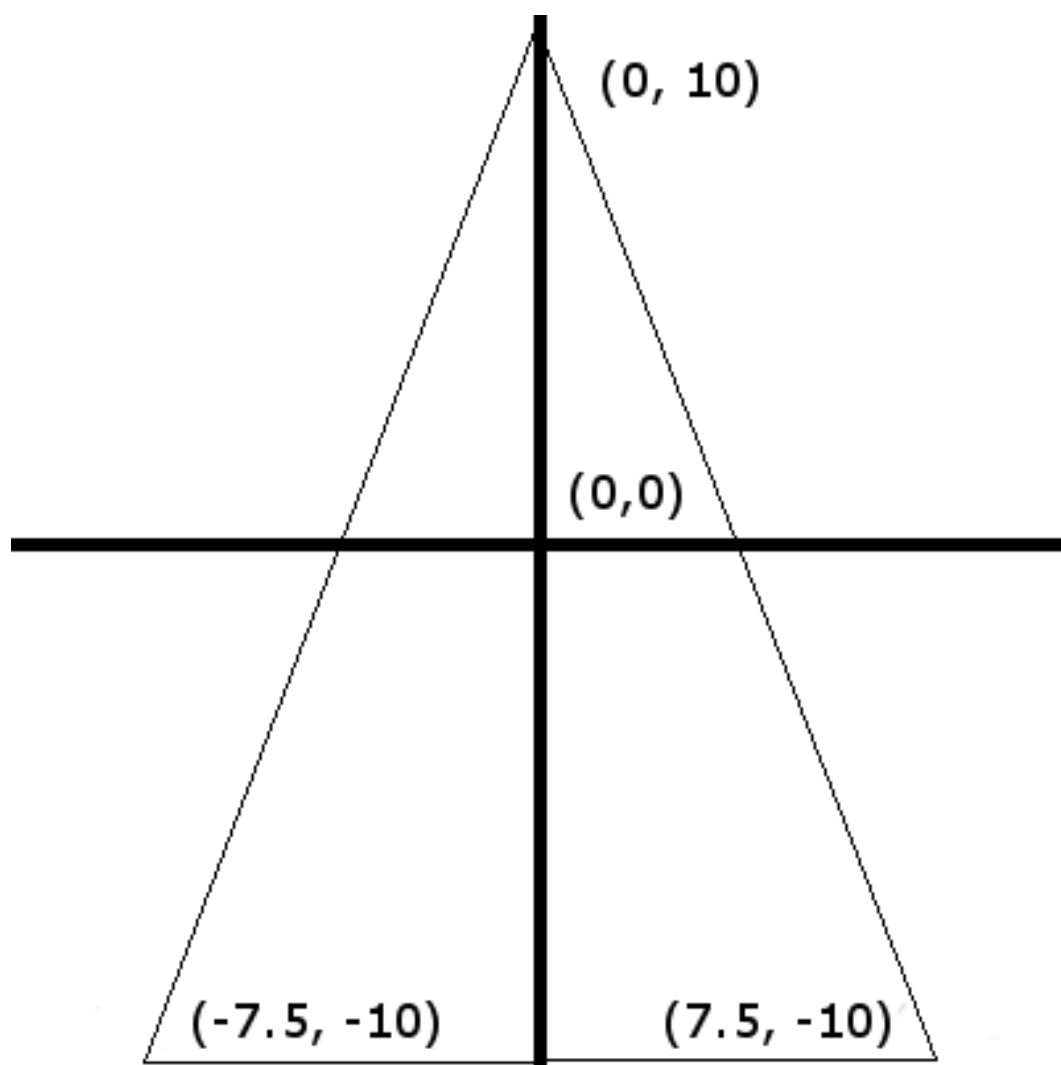
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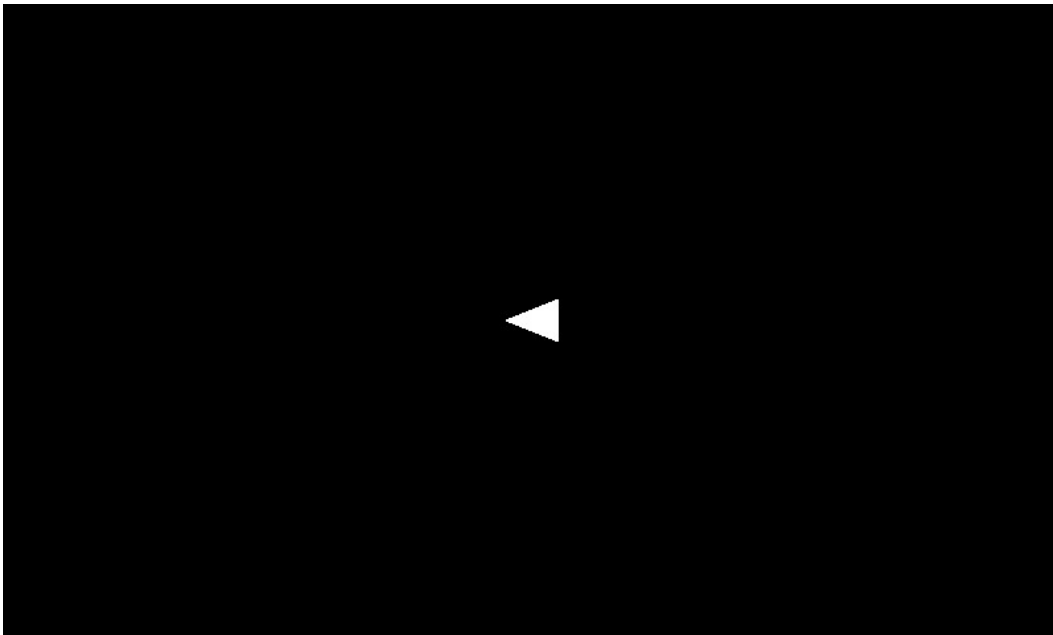




Chapter 9: Asteroids at 60 FPS with OpenGL ES 2

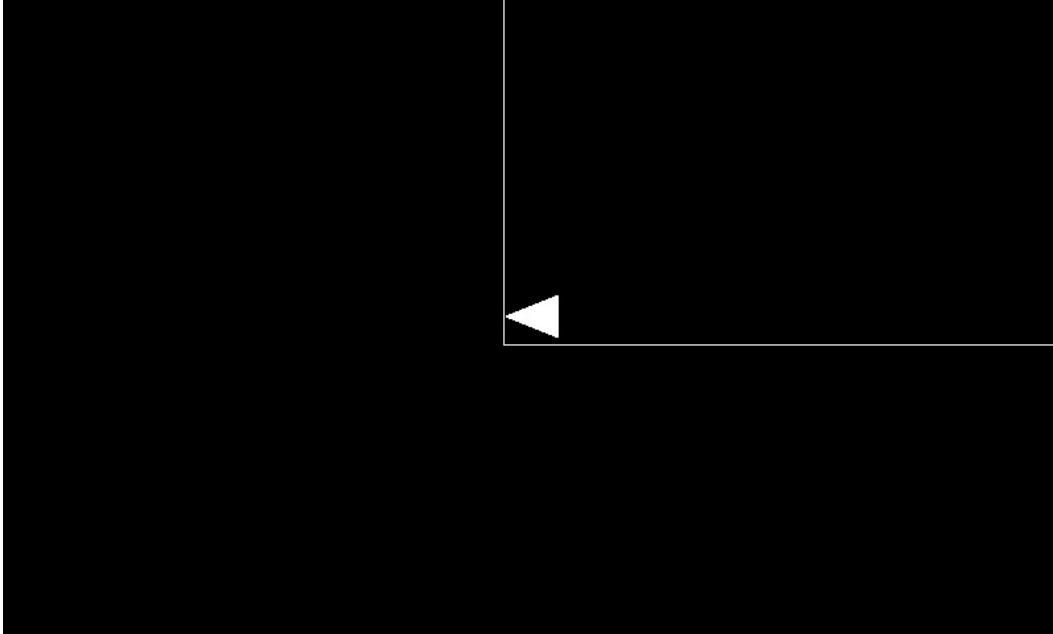






```
logcat
04-20 13:33:02.720 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 208
04-20 13:33:04.430 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 212
04-20 13:33:06.210 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 94
04-20 13:33:07.900 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 68
04-20 13:33:09.705 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 139
04-20 13:33:11.425 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 98
04-20 13:33:13.135 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 94
04-20 13:33:14.835 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 85
04-20 13:33:16.555 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 106
04-20 13:33:18.345 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 106
04-20 13:33:20.030 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 94
04-20 13:33:21.785 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 89
04-20 13:33:23.495 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 67
04-20 13:33:25.245 13882-13897/com.gamecodeschool.c9asteroids E/averageFPS:: 77
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Chapter 10: Move and Draw with OpenGL ES 2



Chapter 11: Things That Go Bump – Part II

