

```
Bird

+Bird(x: float , y: float , radius: float , timer: QTimer *, pixmap: QPixmap , world: b2World *, scene: QGraphicsScene *)

+setpixmap(pixmap: QPixmap , radius: float ): void
+setLinearVelocity(velocity: b2Vec2): void
+setDensity(): void
+collide(): virtual void
+~Bird(): virtual
```

Blackbird

-temptimer: QTimer *
-tempworld: b2World *
-tempscene: QGraphicsScene *
-tempbird: Bird*
-tempbird2: Bird*
-tempbird3: Bird*

+Blackbird(x: float , y: float , radius: float , timer: QTimer *, pixmap: QPixmap , world: b2World *, scene: QGraphicsScene *)
+collide(): virtual void
+~Blackbird(): virtual
+clear(): void

Yellowbird

+Yellowbird(x: float , y: float , radius: float , timer: QTimer *, pixmap: QPixmap , world: b2World *, scene: QGraphicsScene * +collide(): virtual void

Whitebird

+Whitebird(x: float , y: float , radius: float , timer: QTimer *, pixmap: QPixmap , world: b2World *, scene:QGraphicsScene *) +collide(): virtual void



按下鼠標開始移動紅鳥(按鍵盤:無功能)





按下第2次鼠標時 黃鳥出動(按鍵盤:向下衝)



第3次按下鼠標 黑鳥出動(按鍵盤: 爆裂成4隻小黑鳥)



第 4 次按下鼠標 白鳥出動(按鍵盤: 變大)

最後:全部彈完後 按 Restart 重新開始

Box2d 引擎, 鳥、球和敵人是圓形, 方塊和彈弓是方形(彈弓與物體忽略碰撞), 繩子由諸多細小小方塊實作