

TWORZENIE OPROGRAMOWANIA NA URZĄDZENIA FIRMY APPLE

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KRÓTKI OPIS JĘZYKA OBJECTIVE-C

- Pojawił się w 1983 r.
- W roku 2007 doczekał się wersji 2.0 (aktualna 2.1)
- Został stworzony przez Tom'a Love i Brad'a Cox założycieli firmy Stepstone
- Dwie nieformalne koncepcje
(odśmiecanie pamięci, typy obiektów)
- Inspirowany pomysłami ze Smalltalk'a
- Korzysta głównie z framework Cocoa

ŚRODOWISKO XCODE

- Potrzebuje OS X
- Darmowe IDE
- Aktualna wersja 5
- Pozwala tworzyć w C, C++, Java, Objective-C



JAK ZDOBYĆ XCODE

- Kupując komputer Mac
- Hackintosh
- OS X w chmurze (macincloud.com)
- Uruchomienie OS X na wirtualnej maszynie

CO ZAWIERA XCODE

TWORZENIE KODU

```
- (void)addNode:(SKNode *)node atWorldLayer:(APAWorldLayer)layer {  
    SKNode *layerNode = self.layers[layer];  
    [layerNode addChild:node];  
}
```

#pragma mark - HUD and Scores

```
- (void)buildHUD {
```

```
    NSString *iconNames[] = { @"iconWarrior_blue",  
                              @"iconWarrior_green", @"iconWarrior_pink", "iconWarrior_red" };
```

⚠ Incompatible pointer types initializing 'NS...' 2

```
    NSArray
```

```
    [SKC
```

Issue ⚠ Incompatible pointer types initializing 'NSString *__strong' with an expression of type 'char [18]'

Fix-it Insert "@"

```
    CGFloat
```

```
    CGFloat hudY = self.frame.size.height - 50,
```

```
    CGFloat hudD = self.frame.size.width / kNumPlayers;
```

```
    _hudAvatars = [NSMutableArray arrayWithCapacity:kNumPlayers];
```

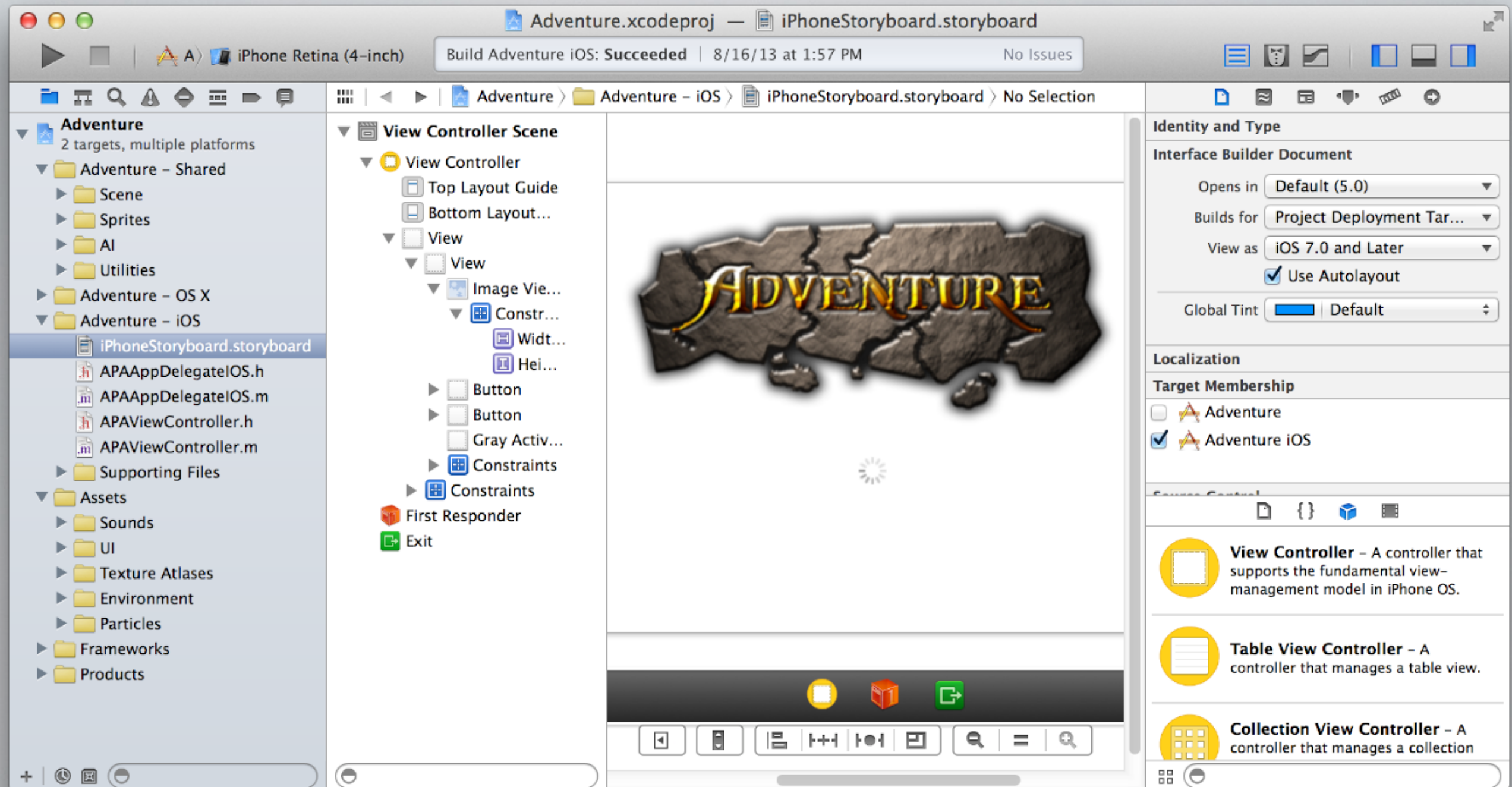
```
    _hudLabels = [NSMutableArray arrayWithCapacity:kNumPlayers];
```

```
    _hudScores = [NSMutableArray arrayWithCapacity:kNumPlayers];
```

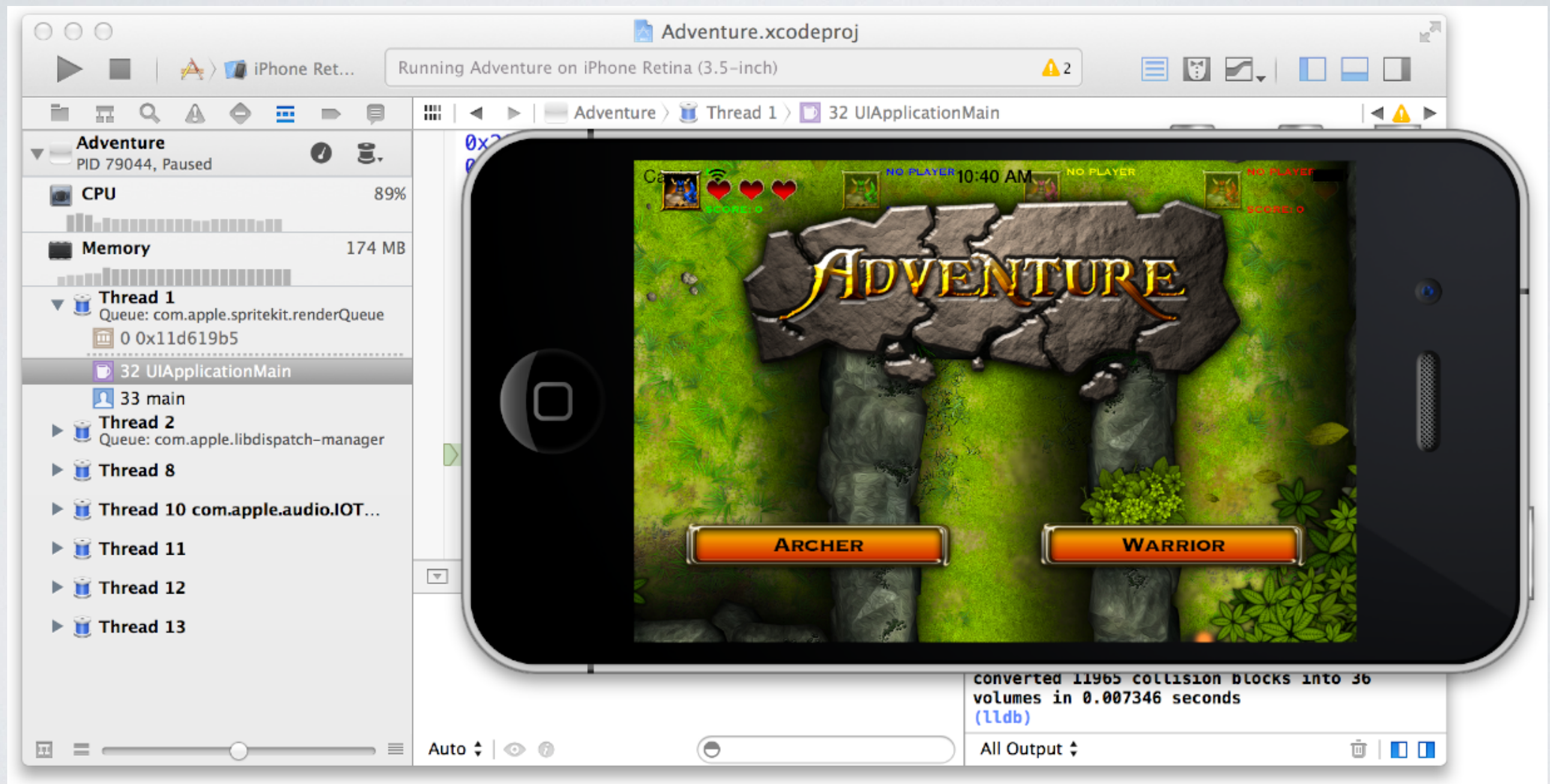
```
    _hudLifeHeartArrays = [NSMutableArray arrayWithCapacity:kNumPlayers];
```

```
    SKNode *hud = [[SKNode alloc] init];
```

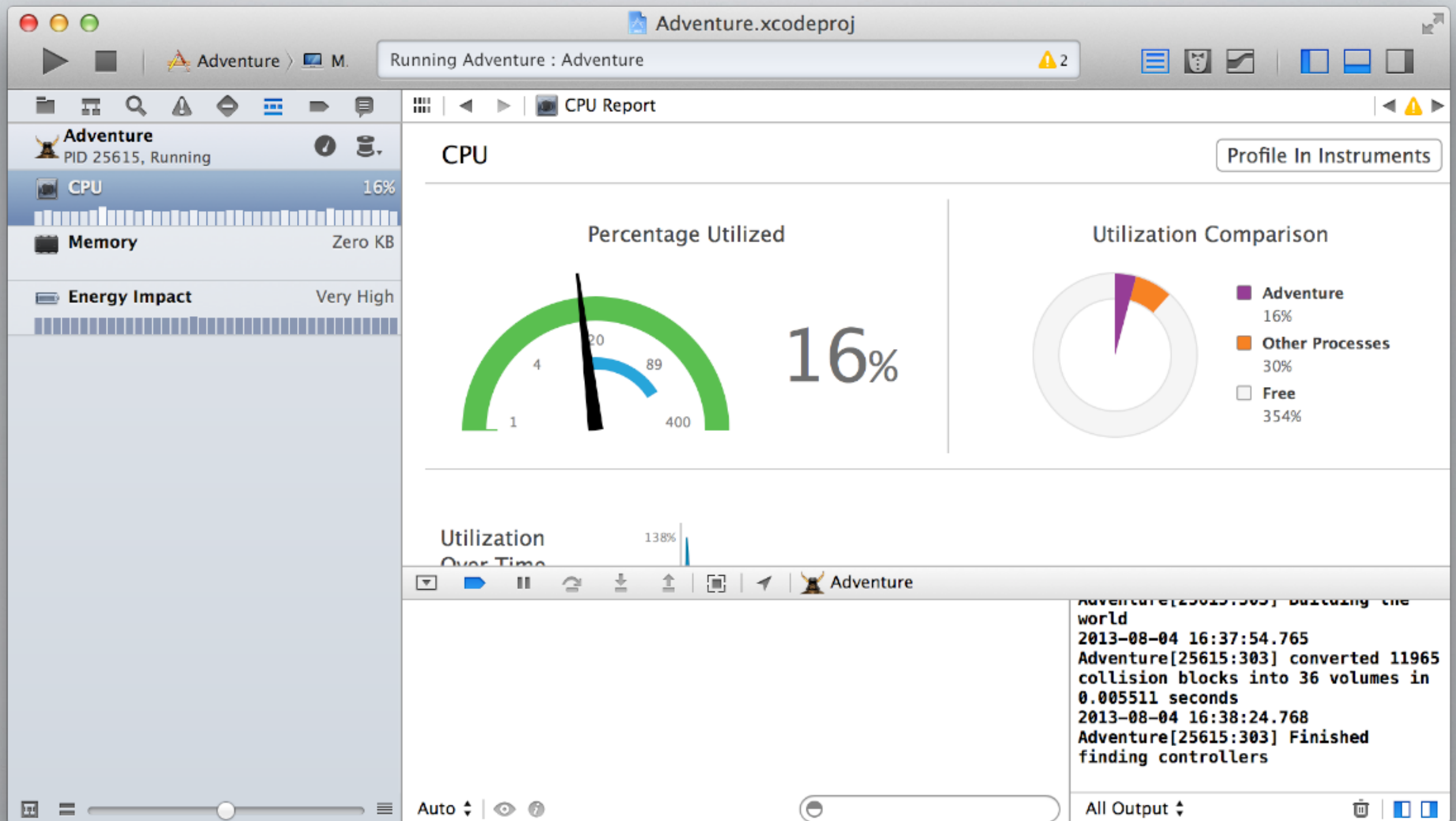
INTERFACE BUILDER



IOS SIMULATOR



DEBUGOWANIE



TESTY JEDNOSTKOWE

Calc.xcworkspace

Build iOS_Calc: **Succeeded** | Yesterday at 14:03 1

By Group

By Time

Workspace

Yesterday, 21:12

iOS_Calc-commit

Archimedes

Integrate (29)

Yesterday, 21:12

Integrate (28)

Yesterday, 21:07

Integrate (27)

Yesterday, 20:57

Integrate (26)

Yesterday, 20:47

Integrate (25)

Yesterday, 20:44

Integrate (24)

Yesterday, 20:41

Integrate (23)

Yesterday, 20:41, Failed

Integrate (22)

Yesterday, 15:20

Integrate (21)

Yesterday, 13:21

Integrate (20)

Yesterday, 13:12

Integrate (19)

Yesterday, 08:26

JUN 4

Summary

Tests

All

Failed

Integration

8

9

10

11

12

10

12

12

Tests

2

0

1

0

Failed

2

0

1

0

Total

12

10

12

12

Integration Range

8-19

Date Range

2013-06-04-2013-06-05

-[CalcApplicationTests testAddition]

✓

✓

✓

✓

✓

✓

-[CalcApplicatio...testAppDelegate]

✓

✓

✓

✓

✓

✓

-[CalcApplicationTests testClear]

✓

✓

✓

✓

✓

✓

-[CalcApplicationTests testDelete]

✓

✓

✓

✓

✓

✓

-[CalcApplicationTests testDivision]

✗

✓

✗

✓

✓

✓

-[CalcApplicatio...estMultiplication]

✗

✓

✓

✓

✓

✓

-[CalcApplicatio...s testSubtraction]

✓

✓

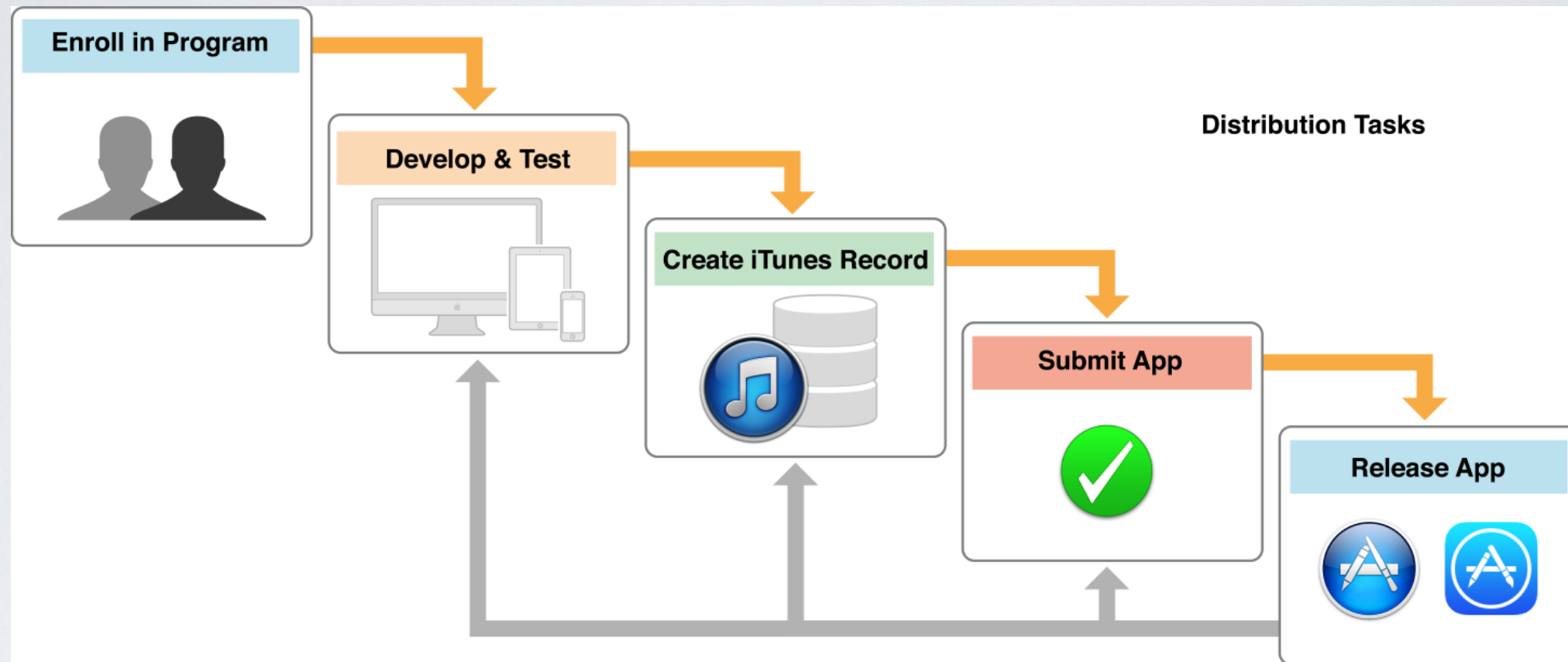
✓

✓

✓

✓

WPROWADZANIE APLIKACJI DO SKLEPU



- Konto deweloperskie
- Zyski
- Ograniczenia