

5 years CocoaHeads Aachen!

Participants 2DO:

1. Add your details to our „List of Participants"

2. And don't forget the „Food Order List" (Hallo Pizza)

:-)

23/05/2013

Your host tonight: Michael Plagge

WiFi: CocoaHeads, appleapple

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- Cake



- A small hackathon...
- ...to draw random prizes

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Congratulations & Cake

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Thomas Riedel hat deinen Beitrag in CocoaHeads Aachen kommentiert.

Thomas Riedel

23. Mai 14:33

Gratulations!

dpunkt.verlag

Hallo Michael,

son Mist, ich wär gern gekommen. Aber mal wieder ne Terminüberschneidung.

Manoman, wie kurz 5 Jahre sind...

Feiert schön!
Kai

Lieber Michael,

das klingt ja super! Leider bin ich auf einer Gutachtersitzung vom BMBF und wieder mal nicht in Aachen! Aber toll, dass die Cocoas schon 5 werden! Bald geht es in die Grundschule! Viel Spaß auf der Feier und weiter so!

Johannes

O'REILLY®

Jochen Wolters
@jochenWolters

@cocoaheads_ac Congratulations! And enjoy the party!

03:08 PM - 23 May 13

Bin leider (naja…) in Urlaub nächste Woche (in England!). Wünsche euch viel Spaß und wir sehen definitiv endlich wieder in Juni, nach der WWDC! StuFF mc

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A small hackathon

- Goal: Help us to draw prizes for tonight‘s participants!
- Deadline: 30 minutes
- Participation: voluntary but rewarded

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A small hackathon: Details

- Platform: OS X, iOS
- Programming language: Objective-C
- Fetch the data from this URL: http://www.plagge.it/cocoaheads_5.txt
- Record format (utf-8): Name**|**First Meeting**|**Last Meeting**|**Count**\n**
- Example data: John Doe**|**2011-06**|**2013-05**|**7**\n**
- Calculation formula: num(lot) = Math.ceil(Count^2 / ((Last - First [in months]) + 1))

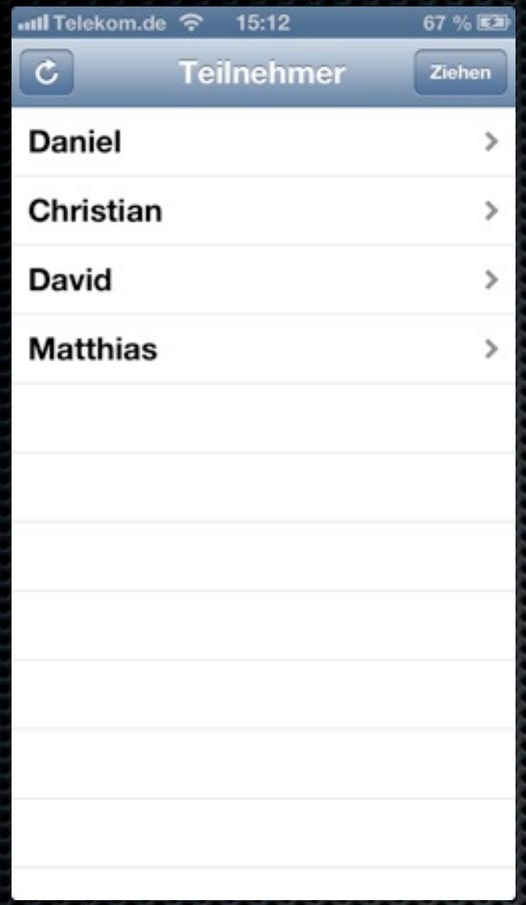
  -> John Doe gets 49 / 24 = 2,04167 => 3 lots
- No multiple draws of the same person

A small hackathon: Participants

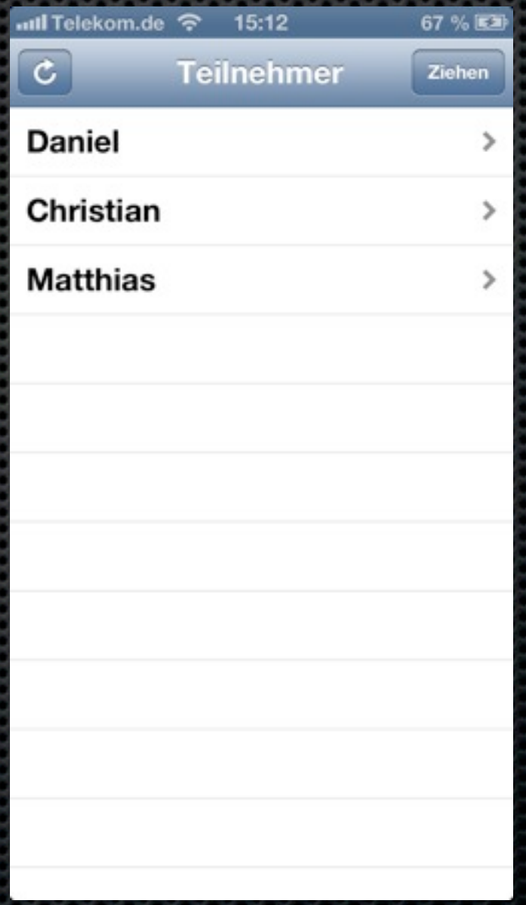
Thanks to...

- Daniel Forster
- Simon Grätzer
- Alex Hoppen
- Phillip Kessels
- Joachim Kurz

A small hackathon: Entry 1 (by Simon Grätzer)



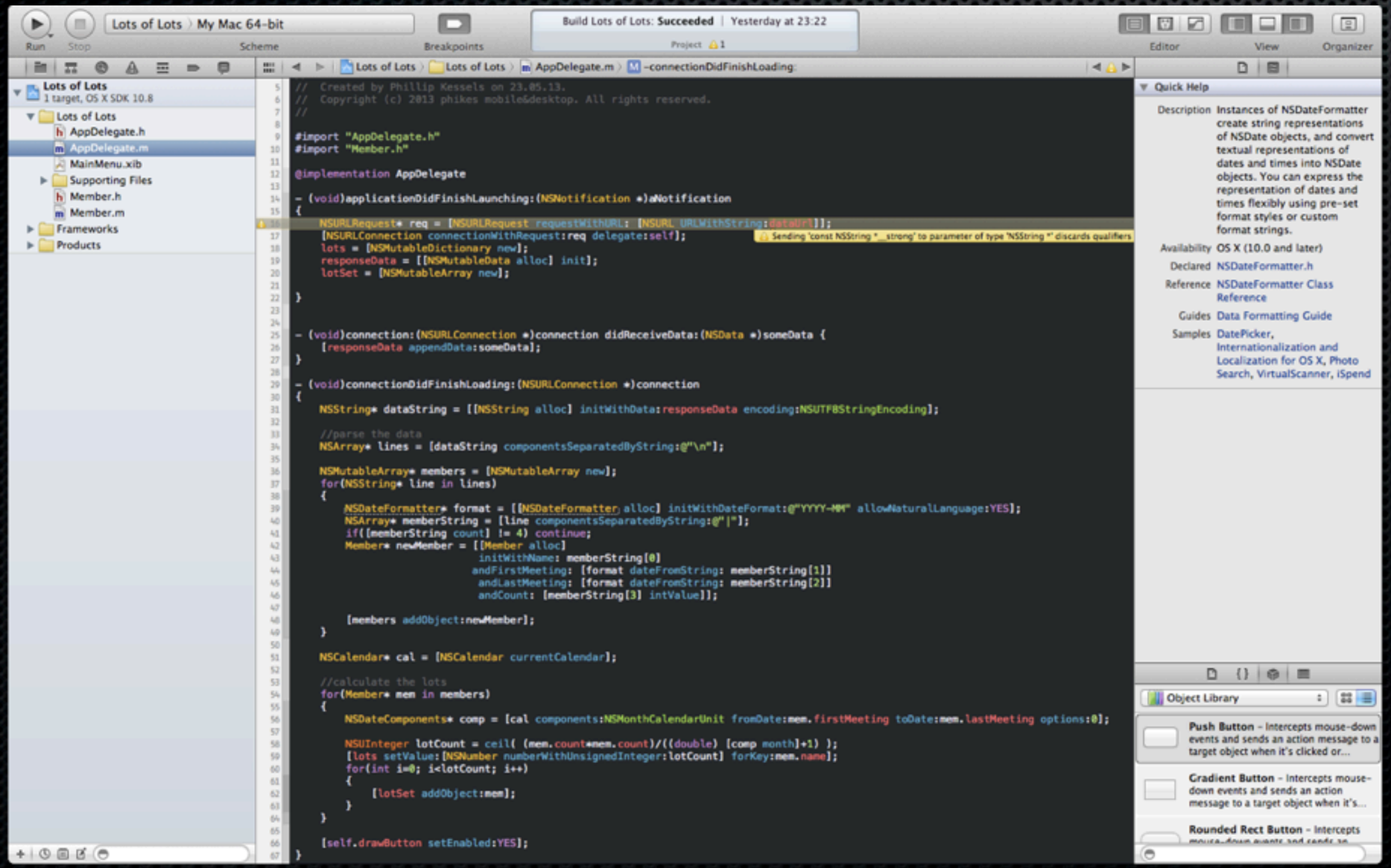




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A small hackathon: Entry 2 (by Phillip Kessels)

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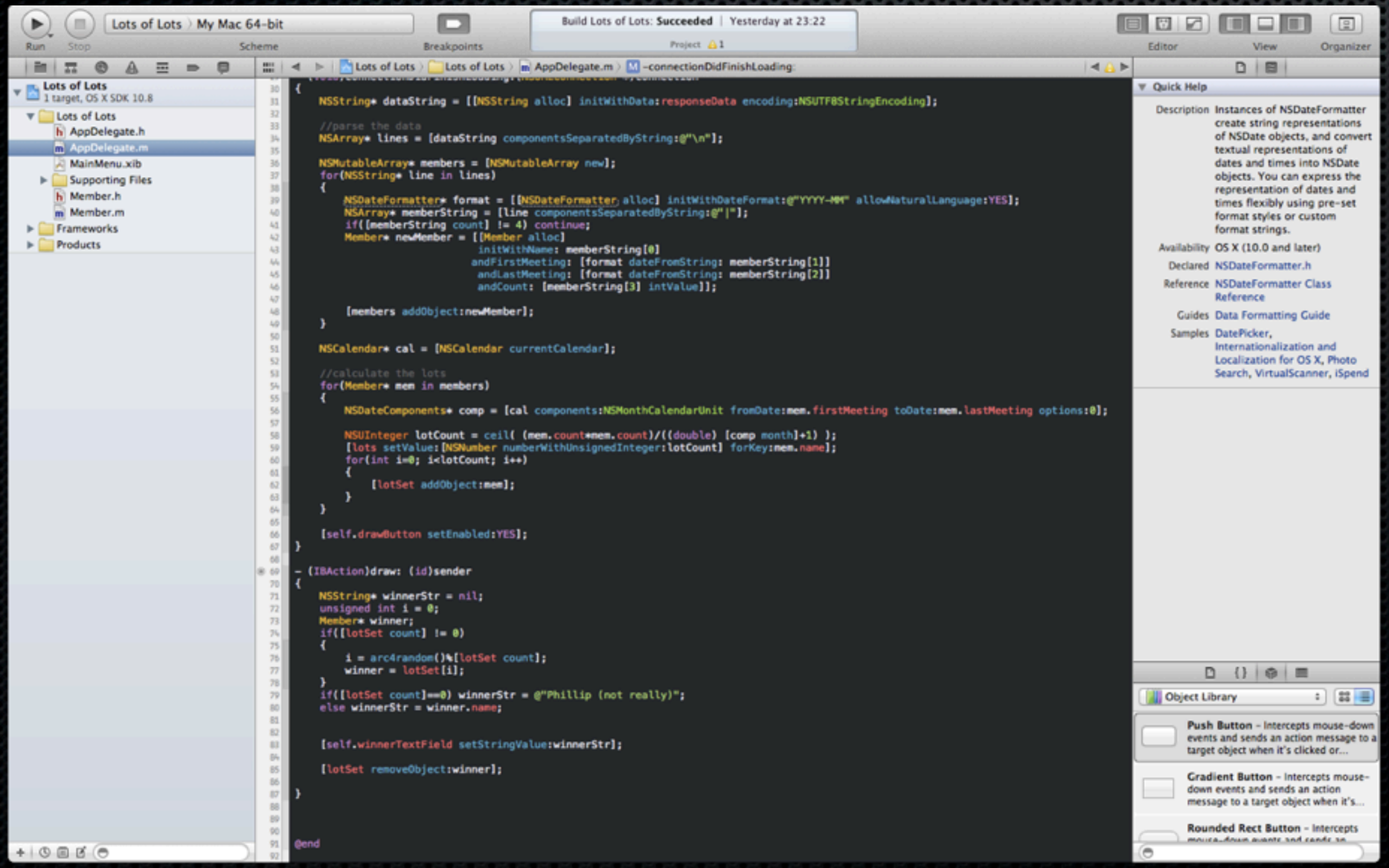


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```
{
    NSString* dataString = [[NSString alloc] initWithData:responseData encoding:NSUTF8StringEncoding];

    //parse the data
    NSArray* lines = [dataString componentsSeparatedByString:@"\n"];

    NSMutableArray* members = [NSMutableArray new];
    for(NSString* line in lines)
    {
        NSDateFormatter* format = [[NSDateFormatter alloc] initWithDateFormat:@"YYYY-MM" allowNaturalLanguage:YES];
        NSArray* memberString = [line componentsSeparatedByString:@"|"];
        if([memberString count] != 4) continue;
        Member* newMember = [[Member alloc]
                             initWithName: memberString[0]
                            andFirstMeeting: [format dateFromString: memberString[1]]
                             andLastMeeting: [format dateFromString: memberString[2]]
                             andCount: [memberString[3] intValue]];

        [members addObject:newMember];
    }

    NSCalendar* cal = [NSCalendar currentCalendar];

    //calculate the lots
    for(Member* mem in members)
    {
        NSDateComponents* comp = [cal components:NSMonthCalendarUnit fromDate:mem.firstMeeting toDate:mem.lastMeeting options:0];

        NSUInteger lotCount = ceil( (mem.count*mem.count)/((double) [comp month]+1) );
        [lots setValue:[NSNumber numberWithUnsignedInteger:lotCount] forKey:mem.name];
        for(int i=0; i<lotCount; i++)
        {
            [lotSet addObject:mem];
        }
    }

    [self.drawButton setEnabled:YES];
}

- (IBAction)draw: (id)sender
{
    NSString* winnerStr = nil;
    unsigned int i = 0;
    Member* winner;
    if([lotSet count] != 0)
    {
        i = arc4random()%[lotSet count];
        winner = lotSet[i];
    }
    if([lotSet count]==0) winnerStr = @"Phillip (not really)";
    else winnerStr = winner.name;


    [self.winnerTextField setStringValue:winnerStr];

    [lotSet removeObject:winner];

}

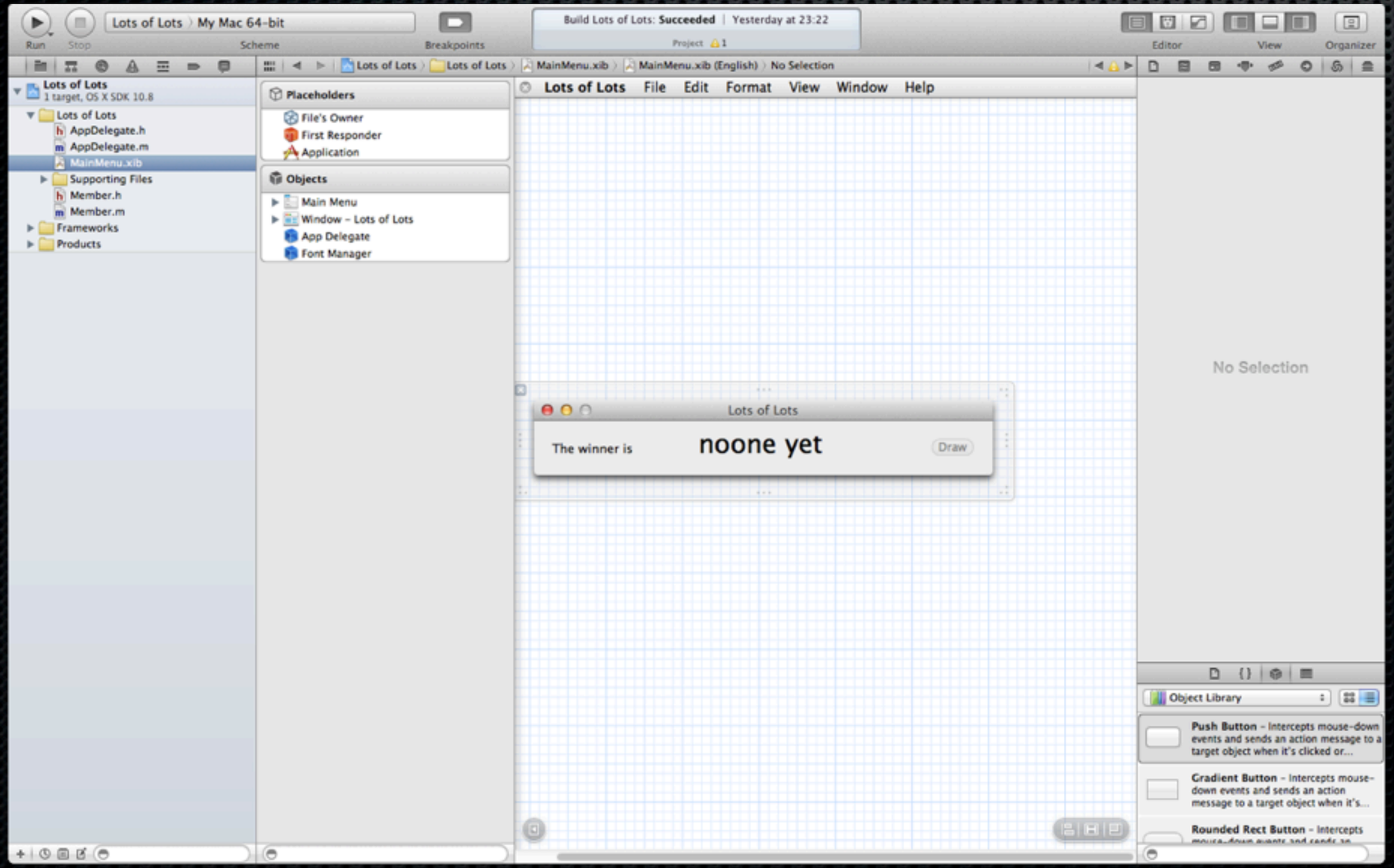

@end
```

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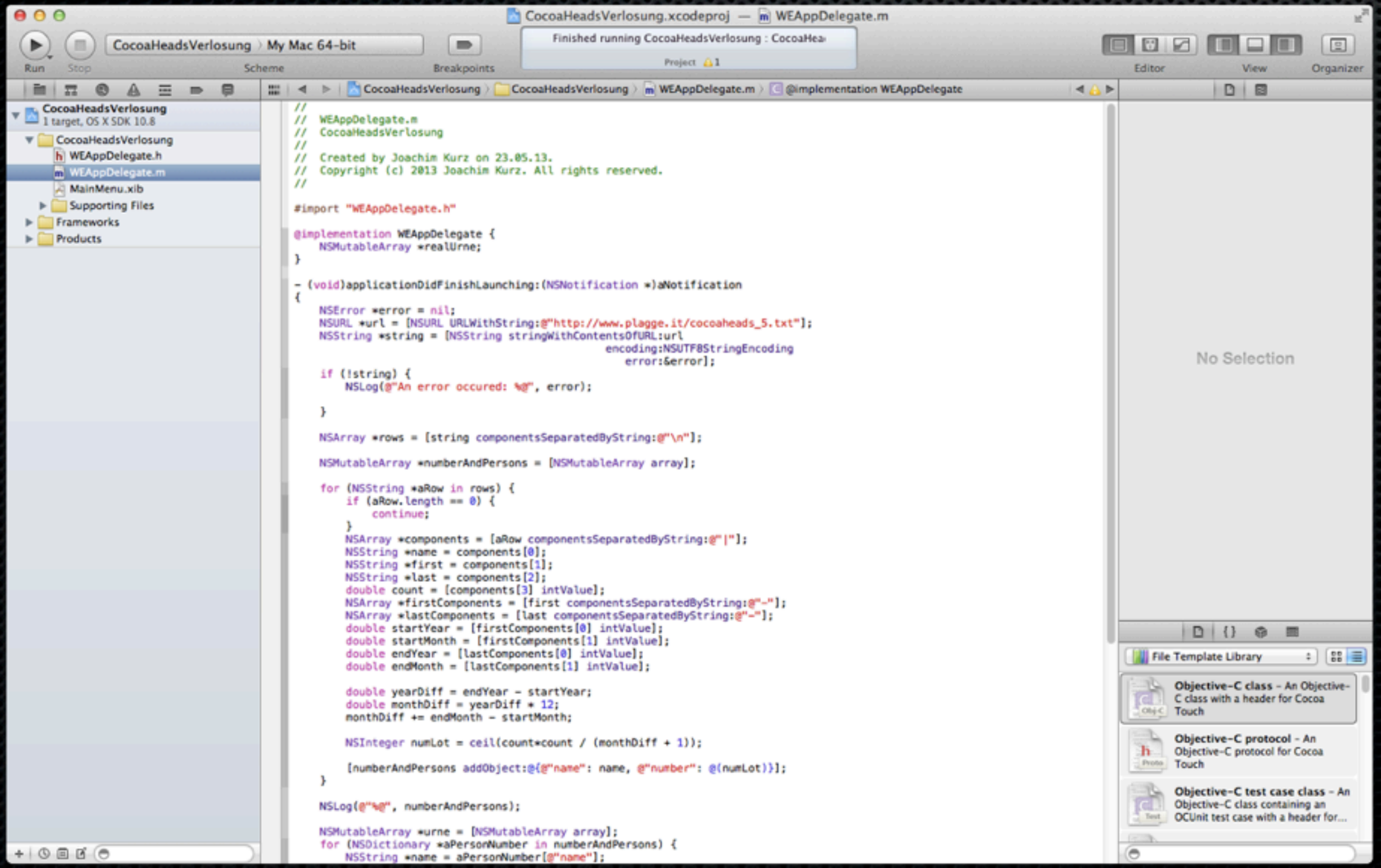


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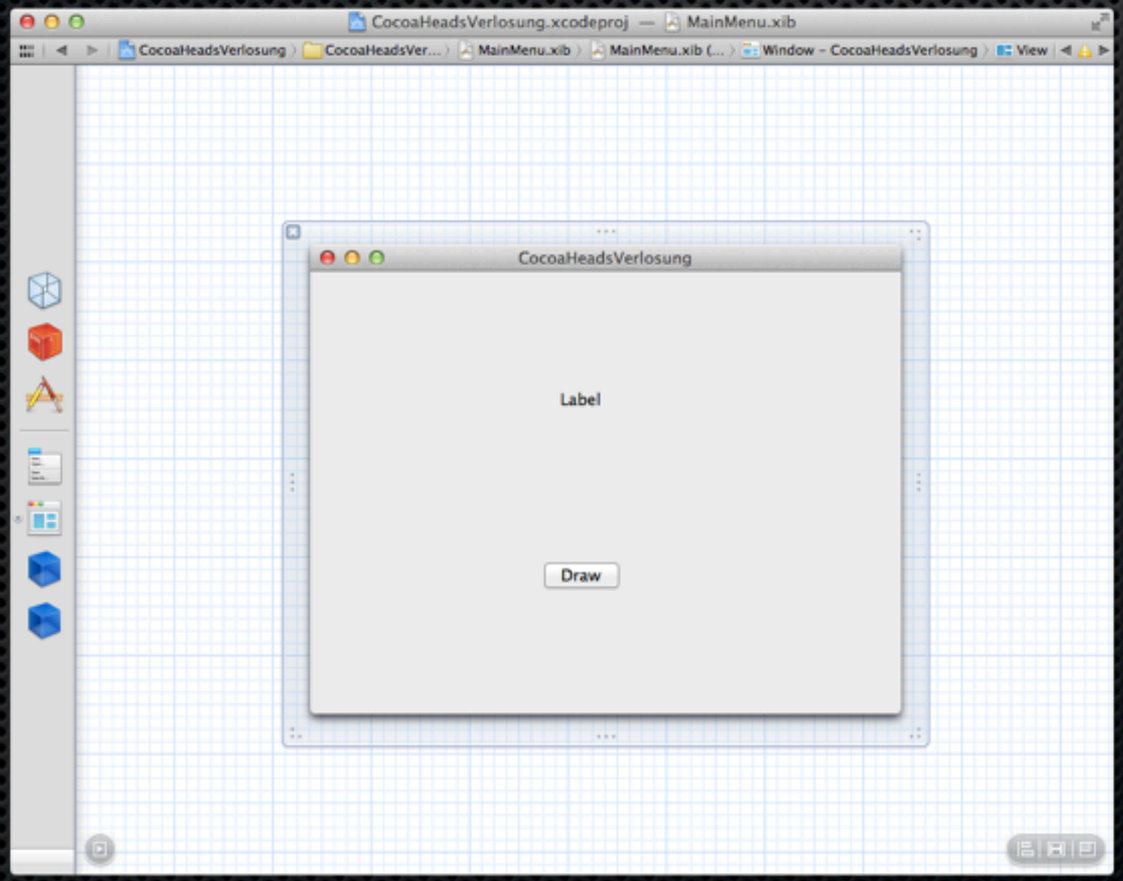
A small hackathon: Entry 3 (by Joachim Kurz)

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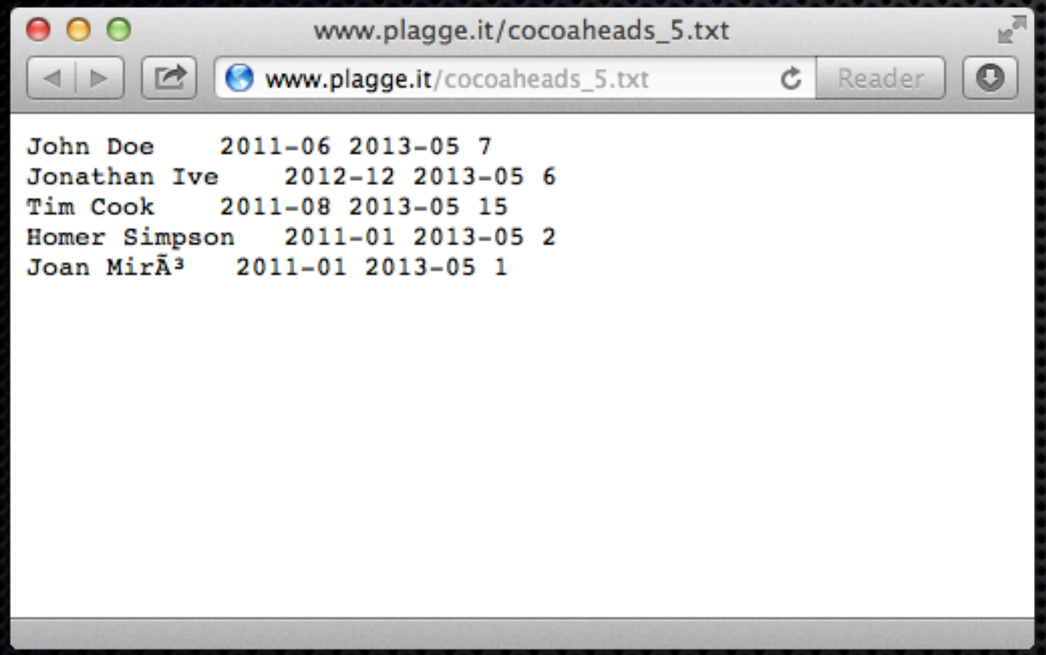
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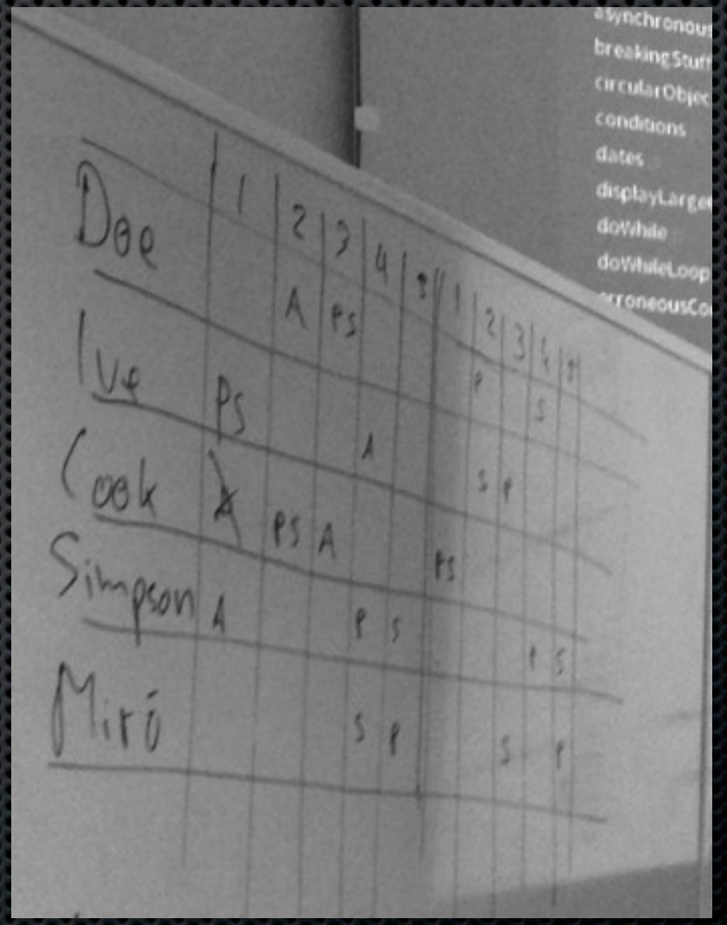
A small hackathon: Entry 3 (by Joachim Kurz)



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A small hackathon: Validating w/ test data





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Thank you!

CU @ the next meeting:

Thursday, June 27, 2013, 1900 CEST

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