## iPhone Workshop

Welcome

#### Themen

- Mobile apps
- Objective-C
- Xcode

# Mobile Apps







Web

## Objective-C

- Apple main programming language
- Superset of C
- 00

#### Superset of C

- \* h header file (definition).
- \* m source file(implementation).

## Magic bracket []:

object.method(arg);

Objective-C

[object method:arg];

#### Dogg.h

Class name

Super Class

```
@interface Dogg : DangerousSpecie {
    //Instance/member variables
    int dangerLevel;
}
//Method
-(void) attack;
@end
```

#### Implementation

Self - current object

```
@implementation Dogg
-(id) init {
    if (self = [super init]) {
        //Code omitted...
    return self;
}
-(void) attack {
    [self bite];
//Code omitted...
@end
```

Parent class

### Properties

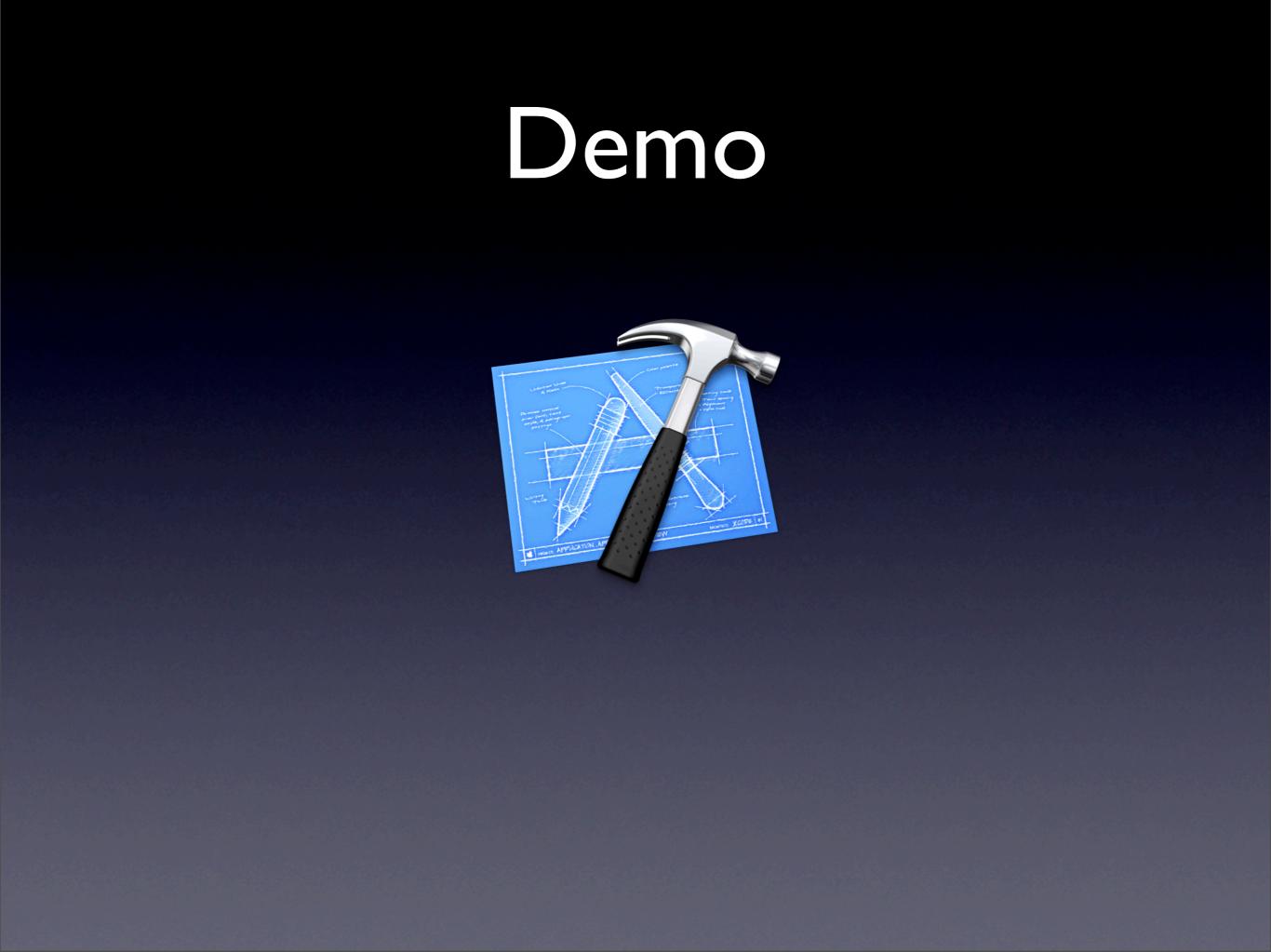
```
@interface Dog : NSObject {
    //Code omitted..
@property int dangerLevel;
@implementation Dog
@synthesize dangerLevel;
//Code omitted..
@end
```

#### Accessors

```
int danger = [dog dangerLevel];
//[dog setDangerLevel:10];
dog.dangerLevel = 10;
//[dog getDangerLevel];
int d = dog.dangerLevel;
```

#### Protocols

```
@protocol UIApplicationDelegate<NSObject>
@optional
- (void)applicationDidFinishLaunching:(UIApplication *)application;
- (void)applicationDidBecomeActive:(UIApplication *)application;
- (void)applicationWillResignActive:(UIApplication *)application;
//Code omitted...
@end
```



#### Two Apps

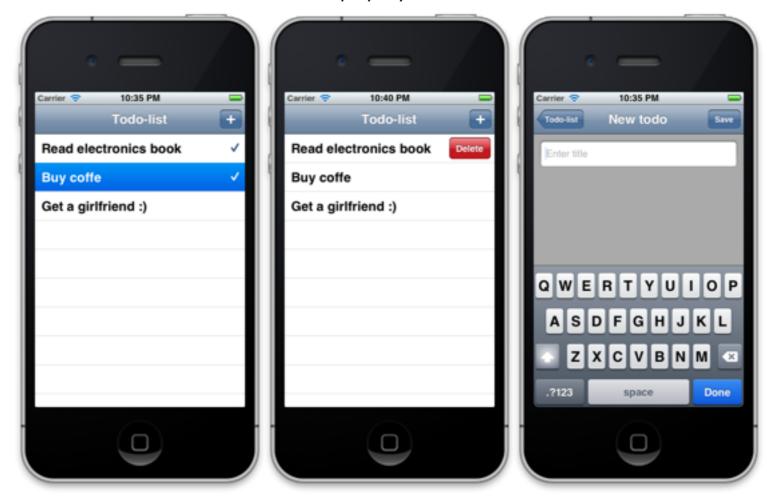
Make an app displaying the string 'Hello world' on a UIButton.



Bonus: Change background color.

Bonus: Change title when highlighted.

Make a simple todo list.
Use a UITableViewController for displaying, storing and reading the todo entries from a property list.



Bonus: Use SQLite for storage.

Bonus: Improve app, by adding a DetailViewController

## Where to go from here

- Come by App-dev evening each Wednesday here at bitraf.
- Read the developer documentation in xcode.
- Checkout the iOS developer library for sample code. <a href="http://developer.apple.com/library/ios">http://developer.apple.com/library/ios</a>
- Ask questions on the developer forum. https://devforums.apple.com/