

Objective-C

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Updated
for iOS 5
and ARC

Programming in Objective-C

Fourth Edition

Developer's Library



Wrox Programmer to Programmer™



UPDATED FOR iOS 5



Beginning iOS 5 Application Development

IN FULL COLOR

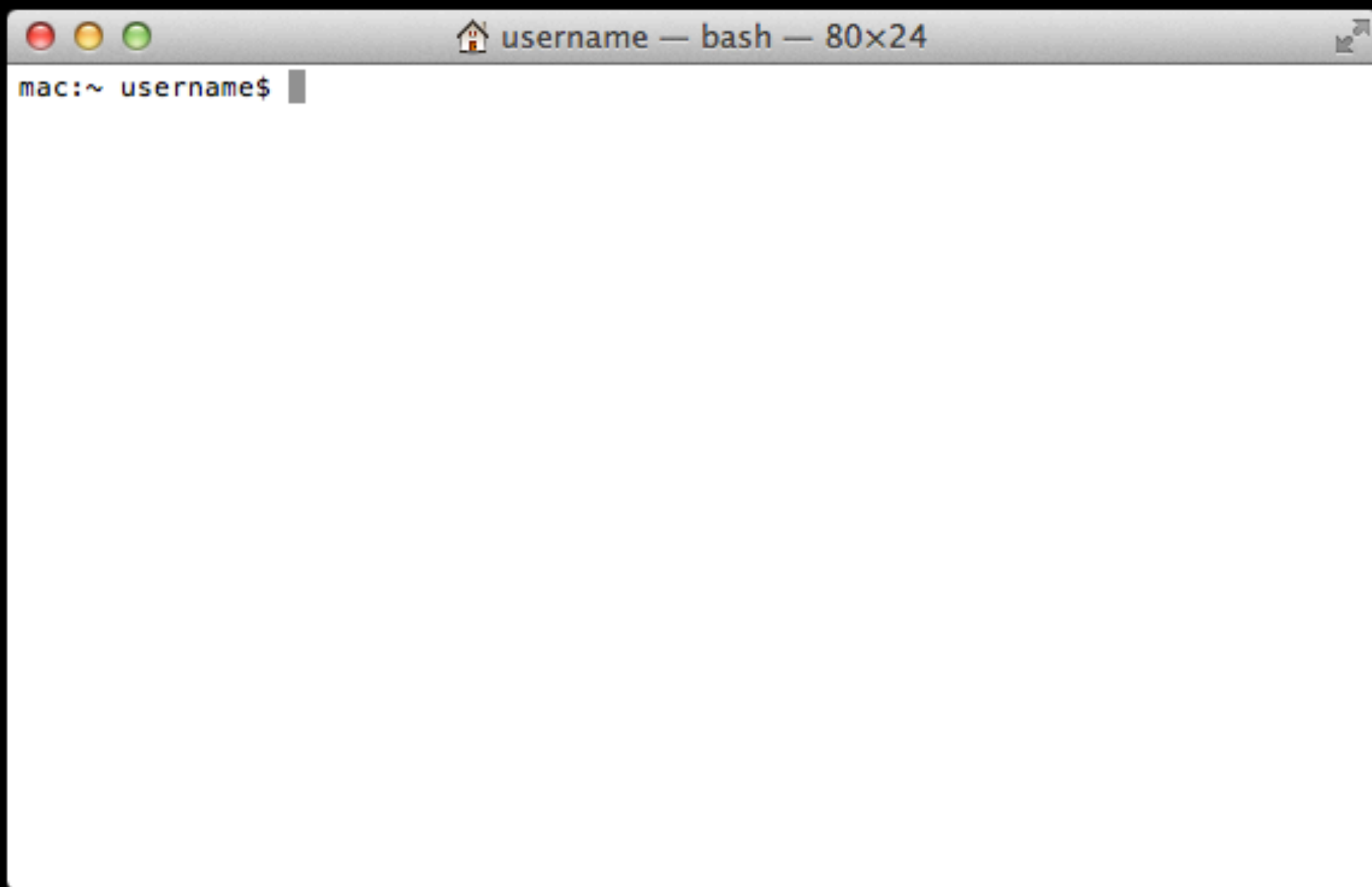
Wei-Meng Lee

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IN FULL COLOR

```
#import <Foundation/Foundation.h>

int main(int argc, const char * argv[])
{
    @autoreleasepool {
        NSLog(@"Hello, World!");
    }
    return 0;
}
```



clang

```
clang -fobjc-arc main.m -framework Foundation
```




Xcode

Xcode provides everything developers need to create great applications for Mac, iPhone, and iPad. Xcode 4 has been streamlined to help you write better apps. It has unified user interface design, coding, testing, and debugging all within a single window. The Xcode IDE analyzes the details of your project to identify mistakes in both syntax and logic, it can even help fix your code for you.

Xcode runs on OS X Lion and includes the Xcode IDE, Instruments, iOS Simulator, the latest Mac OS X and iOS SDKs, and hundreds of powerful features:

Installed

...More

- Apple Web Site >
- Xcode Support >
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Information

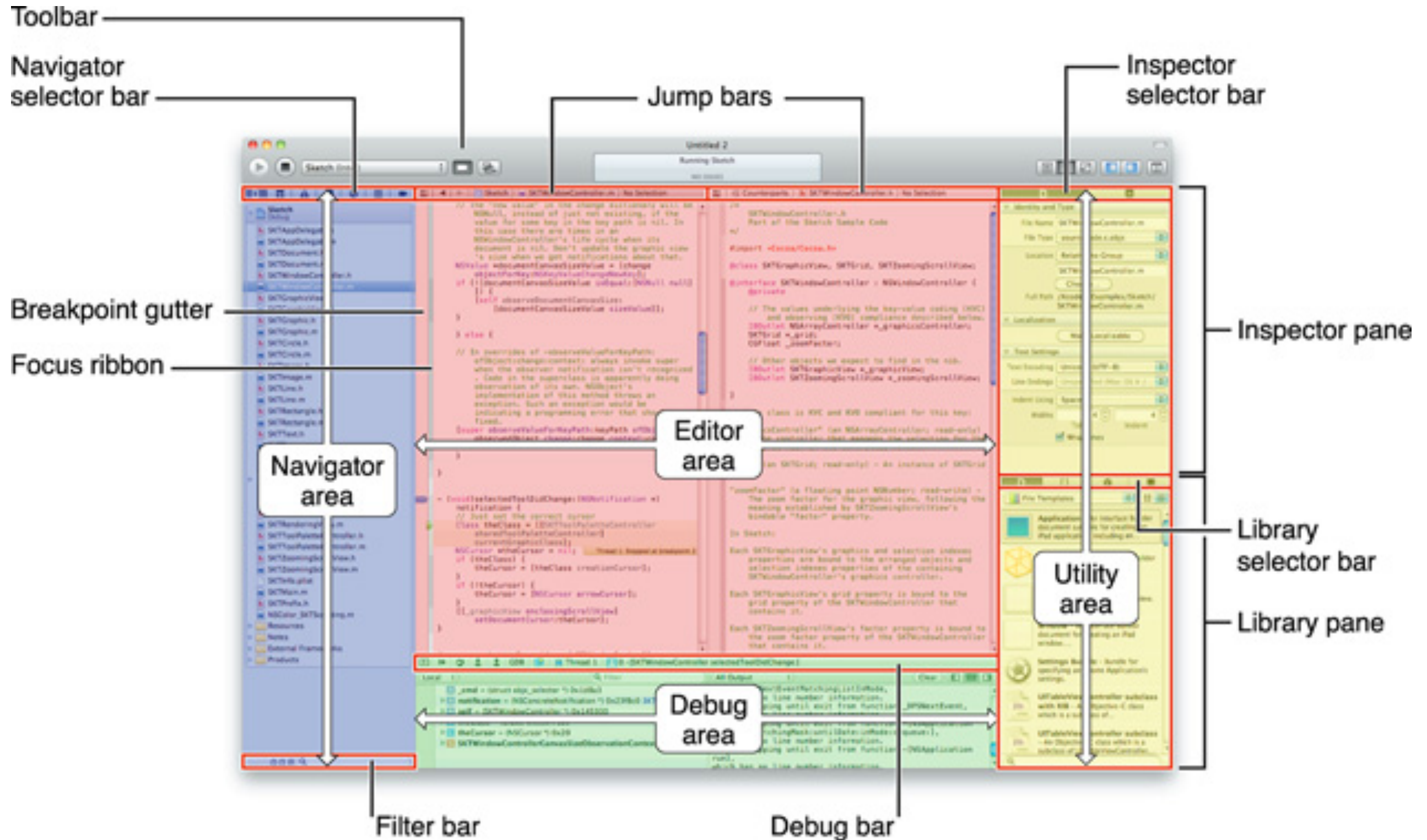
Category: Developer Tools
Released: Feb 16, 2012
Version: 4.3
Price: Free
Size: 1.35 GB
Language: English
Seller: Apple Inc.
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Rated 4+
Requirements:
Mac OS X 10.7.3 or later

More by Apple

- OS X Lion Productivity ★★★★★
- Final Cut Pro Video ★★★★★
- Pages Productivity ★★★★★
- Logic Pro Music ★★★★★





iOS Dev Center

<https://developer.apple.com/devcenter/ios/>

Data Types

BOOL

id

nil

...

Foundation Data Types

NSInteger

NSPoint

NSRect

NSSize

NSUInteger

...

.h

```
@interface Foo: NSObject {  
    // instance variables  
}  
  
// declarations of methods  
  
@end
```


.m

```
@implementation Foo
```

```
// definitions of methods
```

```
@end
```

Instance Variables

@protected

@private

@public

Class Methods

```
+alloc;
```

Messages

```
Student *student = [Student alloc];
```


Instance Methods

- (int)age;
- (void)setAge:(int)age;
- (void)init;
- (void)initWithName:(NSString *)name andAge:(int)age;

Messages

```
[student age];
```

```
[student setAge:20];
```

```
[student init];
```

```
[student initWithName:@"Alice" andAge:20];
```

Selectors

alloc

age

setAge:

init

initWithName:andAge:

@property

assign

copy

strong

weak

atomic

nonatomic

readonly

readwrite

@synthesize

Collections

NSArray

NSMutableArray

NSDictionary

NSMutableDictionary

NSSet

NSMutableSet

...

Fast Enumeration

```
for (id foo in bar) {  
    // do something with foo  
}
```

to be continued...