

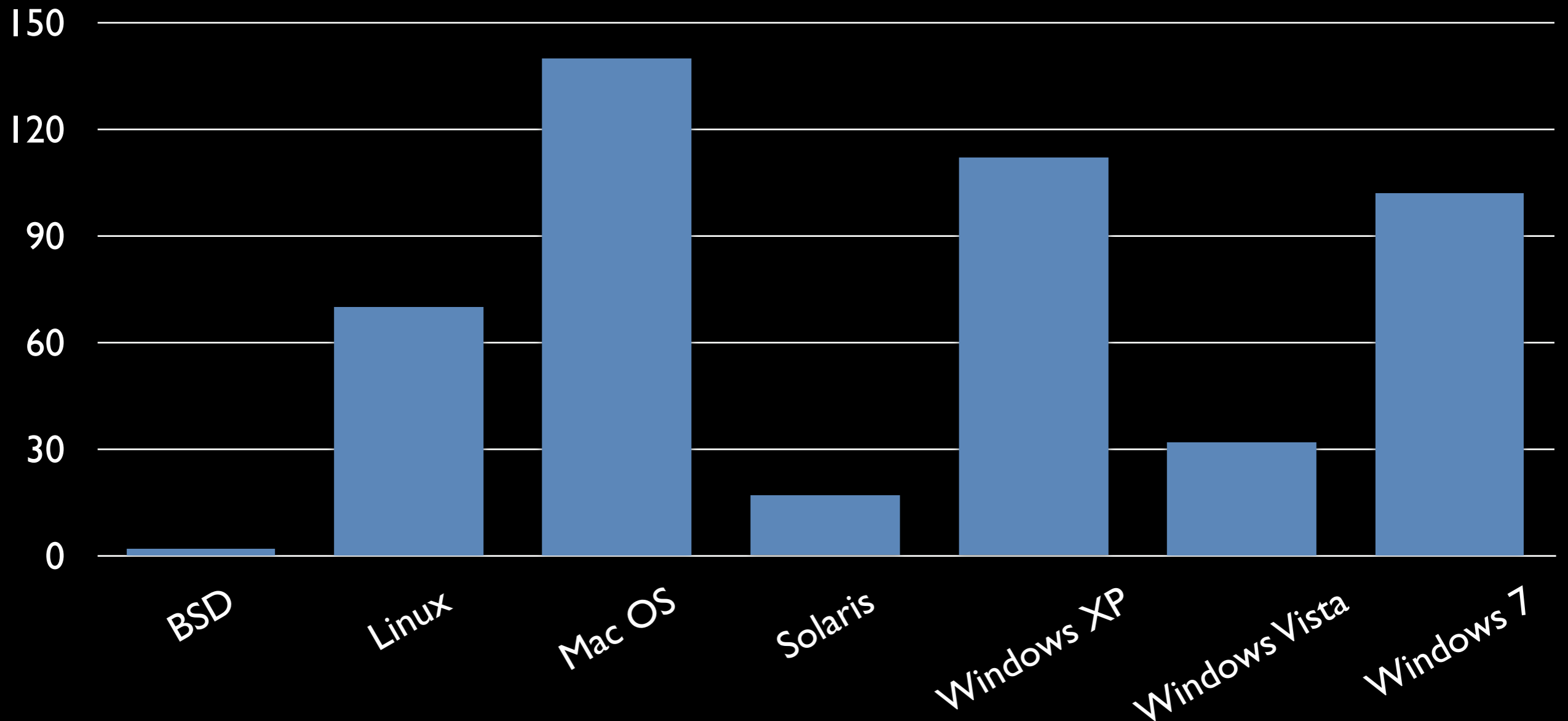
# iOS

Objective-C, Window-based Applications, MVC

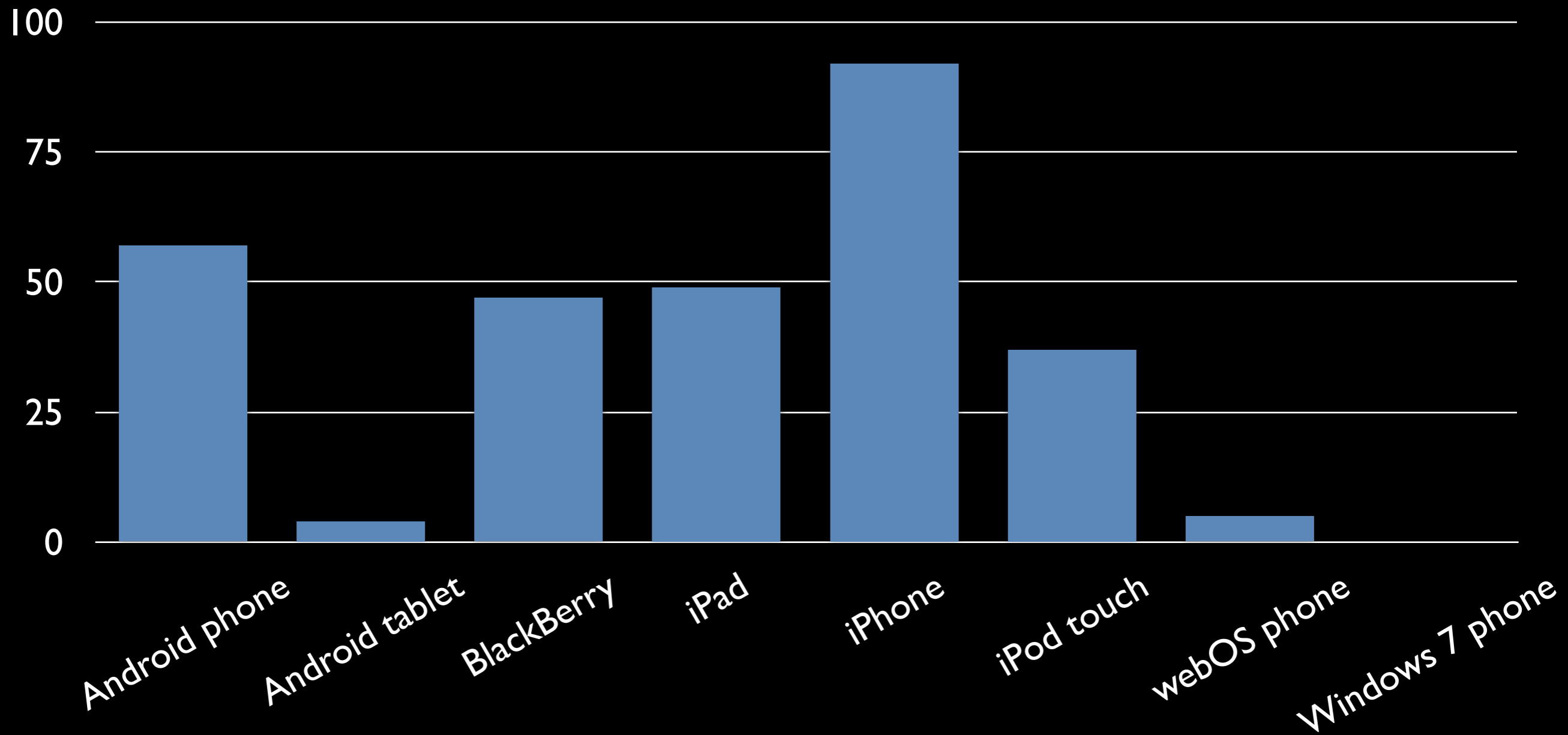




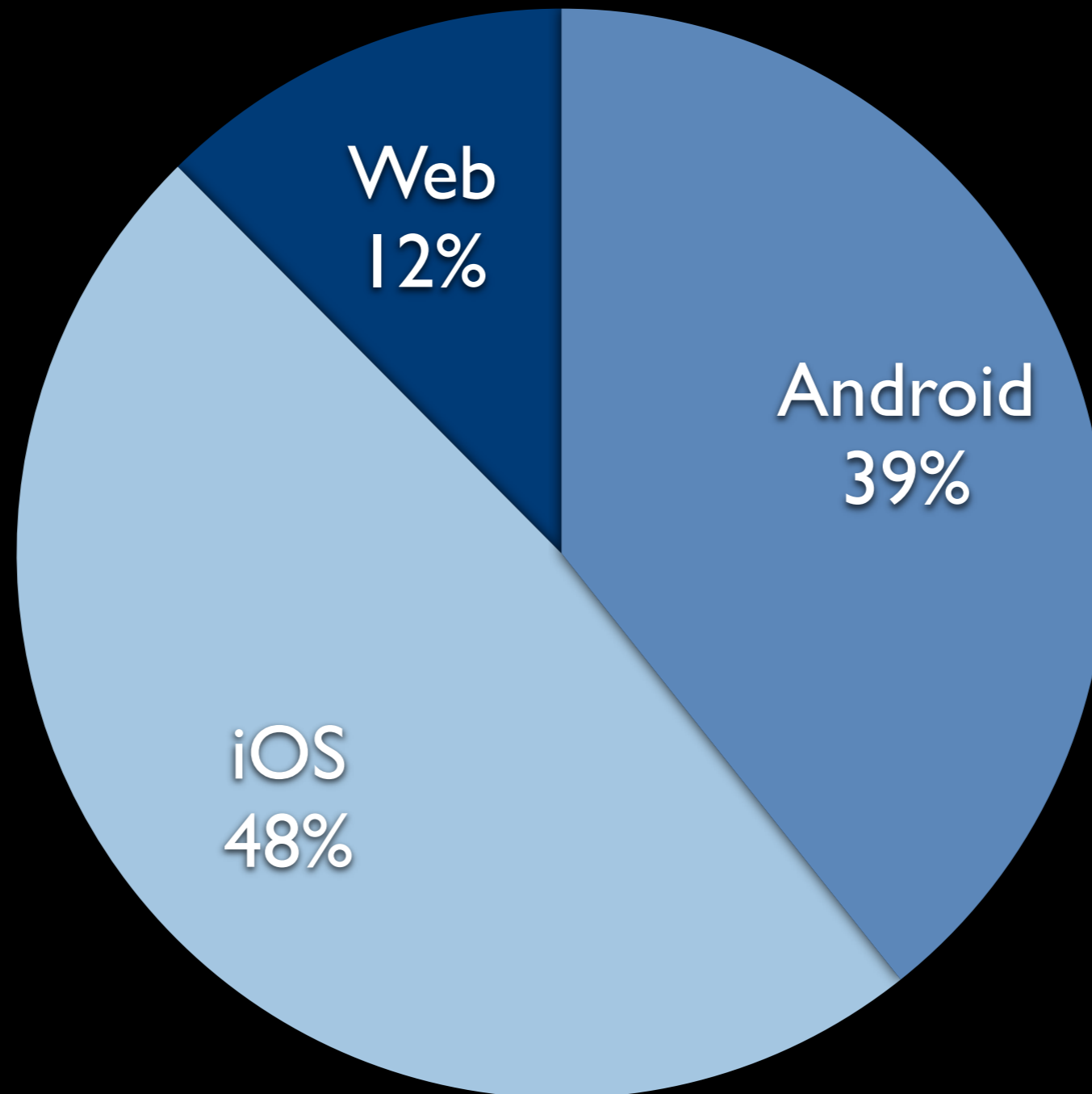
# OSes Used Regularly



# Devices Used Regularly



# Most Excited For...



# .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;
```

# 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

retain

atomic

nonatomic

readonly

readwrite

@synthesize

# Memory Management

alloc autorelease dealloc release retain



# Collections

NSArray

NSMutableArray

NSDictionary

NSMutableDictionary

NSSet

NSMutableSet

...

# Fast Enumeration

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

# Categories

```
@interface Foo (Bar)
```

```
-(void)baz;
```

```
@end
```

# Protocols

```
@interface Student <NSCopying> {  
}
```

```
...
```

```
@end
```

# Protocols

```
@implementation Student
```

```
...
```

```
-(id)copyWithZone:(NSZone *)zone  
{  
    Student *s = [Student allocWithZone:zone];  
    [s initWithName:_name andAge:_age];  
    return s;  
}
```

```
...
```

```
@end
```

# NSException

```
@try {  
    // try something here  
}  
  
@catch (NSException *e) {  
    // handle exception here  
}  
  
@finally {  
    // do something here  
}
```

# NSError

```
NSError *e = nil;
if ([foo bar:baz error:&e] == nil)
{
    // handle error
}
```

# MVC

