

## Objective-C Cheat Sheet by Alex Gordon (alextgordon) via cheatography.com/425/cs/198/

Class Implementation (cont)

## Class Interfaces @interface Shape: NSObject @property (assign) NSPoint center; @property (strong) NSColor\* color; @end @interface Rectangle: Shape @property (assign) NSSize size; @end @interface Circle: Shape @property (assign) CGFloat radius; @end **Class Implementation** @implementation Shape @synthesize centre; @synthesize color; - (void)draw { [color set]; @end @implementation Rectangle @synthesize size; - (void)draw { [super draw]; [NSBezierPath fillRect:NSMakeRect(self.centre.x - size.width / 2, self.centre.y - size.height / 2, size.width, size.height)]; } @end @implementation Circle @synthesize radius; - (void)draw { [super draw]; bezierPathWithOvalInRect:NSMakeRect(self.cent

```
@end
Class Use
- (void)drawRect:(NSRect)rect {
rect = [self bounds];
[[NSColor cyanColor] set];
[NSBezierPath fillRect:rect];
Rectangle* rectangle = [[Rectangle alloc] init];
rectangle.size = NSMakeSize(300, 200);
rectangle.centre =
NSMakePoint(NSMidX(rect), NSMidY(rect));
rectangle.color = [NSColor whiteColor];
[rectangle draw];
Circle* circle = [[Circle alloc] init];
circle.radius = 60;
circle.centre = rectangle.centre;
circle.color = [NSColor redColor];
[circle draw];
}
Result
```

http://chocolatapp.com/snaps/japanflag.png



radius2)] fill];

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re.x - radius, self.centre.y - radius, radius2,

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