

Masonry是一个轻量级的布局框架，拥有自己的描述语法，采用更优雅的链式语法封装自动布局，简洁明了并具有高可读性，而且同时支持 iOS 和 Max OS X。Masonry是一个用代码写iOS或OS界面的库，可以代替Auto layout。

Masonry的github地址：<https://github.com/SnapKit/Masonry>

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- Masonry配置

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## Masonry配置

- 推荐使用pods方式引入类库，pod 'Masonry'，若不知道pod如何使用，情况我的另一篇文章：[提高ios开发效率的工具](#)

- 引入头文件 #import "Masonry.h"

## Masonry使用讲解

mas\_makeConstraints 是给view添加约束，约束有几种，分别是边距，宽，高，左上右下距离，基准线。添加过约束后可以有修正，修正有offset（位移）修正和multipliedBy（倍率）修正。

语法一般是 make.equalTo or make.greaterThanOrEqualTo or make.lessThanOrEqualTo + 倍数和位移修正。

注意点1： 使用 mas\_makeConstraints方法的元素必须事先添加到父元素的中，例如[self.view addSubview:view];

注意点2： masequalTo 和 equalTo 区别：masequalTo 比equalTo多了类型转换操作，一般来说，大多数时候两个方法都是 通用的，但是对于数值元素使用mas\_equalTo。对于对象或是多个属性的处理，使用equalTo。特别是多个属性时，必须使用equalTo,例如 make.left.and.right.equalTo(self.view);

注意点3: 注意到方法with和and,这连个方法其实没有做任何操作，方法只是返回对象本身，这这个方法的左右完全是为了方法写的时候的可读性 。make.left.and.right.equalTo(self.view);和make.left.right.equalTo(self.view);是完全一样的，但是明显的加了and方法的语句可读性 更好点。

## Masonry初级使用例子

```
1 // exp1: 中心点与self.view相同，宽度为400*400
2 -(void)exp1{
3     UIView *view = [UIView new];
4     [view setBackgroundColor:[UIColor redColor]];
5     [self.view addSubview:view];
6     [view mas_makeConstraints:^(MASConstraintMaker *make) {
7         make.center.equalTo(self.view);
```

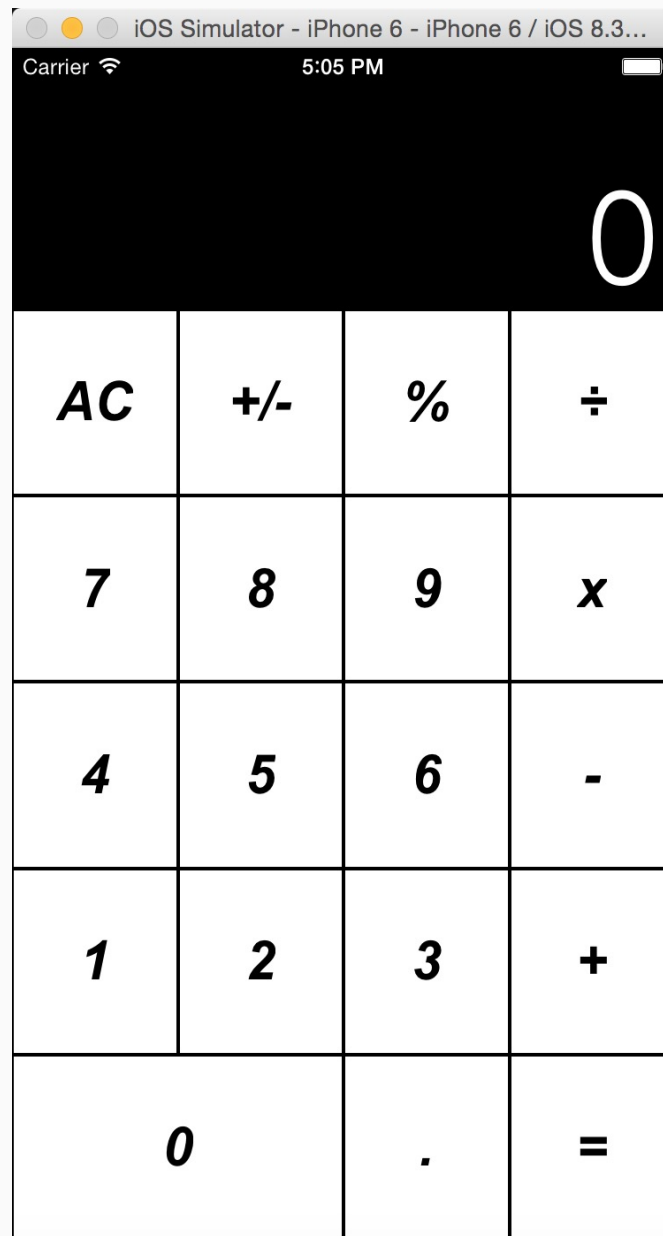
```

8         make.size.mas_equalTo(CGSizeMake(400,400));
9     }];
10 }
11 //exp2: 上下左右边距都为10
12 -(void)exp2{
13     UIView *view = [UIView new];
14     [view setBackgroundColor:[UIColor redColor]];
15     [self.view addSubview:view];
16     [view mas_makeConstraints:^(MASConstraintMaker *make) {
17         make.edges.equalTo(self.view).with.insets(UIEdgeInsetsMake(10, 10, 10, 10));
18         // make.left.equalTo(self.view).with.offset(10);
19         // make.right.equalTo(self.view).with.offset(-10);
20         // make.top.equalTo(self.view).with.offset(10);
21         // make.bottom.equalTo(self.view).with.offset(-10);
22     }];
23 }
24 //exp3 让两个高度为150的view垂直居中且等宽且等间隔排列 间隔为10
25 -(void)exp3{
26     UIView *view1 = [UIView new];
27     [view1 setBackgroundColor:[UIColor redColor]];
28     [self.view addSubview:view1];
29     UIView *view2 = [UIView new];
30     [view2 setBackgroundColor:[UIColor redColor]];
31     [self.view addSubview:view2];
32     [view1 mas_makeConstraints:^(MASConstraintMaker *make) {
33         make.centerY.mas_equalTo(self.view.mas_centerY);
34         make.height.mas_equalTo(150);
35         make.width.mas_equalTo(view2.mas_width);
36         make.left.mas_equalTo(self.view.mas_left).with.offset(10);
37         make.right.mas_equalTo(view2.mas_left).offset(-10);
38     }];
39     [view2 mas_makeConstraints:^(MASConstraintMaker *make) {
40         make.centerY.mas_equalTo(self.view.mas_centerY);
41         make.height.mas_equalTo(150);
42         make.width.mas_equalTo(view1.mas_width);
43         make.left.mas_equalTo(view1.mas_right).with.offset(10);
44         make.right.equalTo(self.view.mas_right).offset(-10);
45     }];
46 }

```

## Masonry高级使用例子1

iOS计算器使用Masorny布局：



```

1 //高级布局练习 ios自带计算器布局
2 -(void)exp4{
3     //申明区域, displayView是显示区域, keyboardView是键盘区域
4     UIView *displayView = [UIView new];
5     [displayView setBackgroundColor:[UIColor blackColor]];
6     [self.view addSubview:displayView];
7     UIView *keyboardView = [UIView new];
8     [self.view addSubview:keyboardView];
9     //先按1: 3分割 displView (显示结果区域) 和 keyboardView (键盘区域)
10    [displayView mas_makeConstraints:^(MASConstraintMaker *make) {
11        make.top.equalTo(self.view.mas_top);
12        make.left.and.right.equalTo(self.view);
13        make.height.equalTo(keyboardView).multipliedBy(0.3f);
14    }];
15    [keyboardView mas_makeConstraints:^(MASConstraintMaker *make) {
16        make.top.equalTo(displayView.mas_bottom);
17        make.bottom.equalTo(self.view.mas_bottom);
18        make.left.and.right.equalTo(self.view);
19    }];
20    //设置显示位置的数字为0
21    UILabel *displayNum = [[UILabel alloc] init];
22    [displayView addSubview:displayNum];
23    displayNum.text = @"0";
24    displayNum.font = [UIFont fontWithName:@"HeiTi SC" size:70];
25    displayNum.textColor = [UIColor whiteColor];
26    displayNum.textAlignment = NSTextAlignmentRight;

```

```

27 [displayNum mas_makeConstraints:^(MASConstraintMaker *make) {
28     make.left.and.right.equalTo(displayView).with.offset(-10);
29     make.bottom.equalTo(displayView).with.offset(-10);
30 }];
31 //定义键盘键名称, ? 号代表合并的单元格
32 NSArray *keys = @[@"AC", @"+/-", @"%", @"÷"
33                 , @"7", @"8", @"9", @"x"
34                 , @"4", @"5", @"6", @"-"
35                 , @"1", @"2", @"3", @"+"
36                 , @"0", @"?", @".", @"="];
37 int indexOfKeys = 0;
38 for (NSString *key in keys){
39     //循环所有键
40     indexOfKeys++;
41     int rowNum = indexOfKeys %4 ==0? indexOfKeys/4:indexOfKeys/4 +1;
42     int colNum = indexOfKeys %4 ==0? 4 :indexOfKeys %4;
43     NSLog(@"index is:%d and row:%d,col:%d", indexOfKeys, rowNum, colNum);
44     //键样式
45     UIButton *keyView = [UIButton buttonWithTypeCustom];
46     [keyboardView addSubview:keyView];
47     [keyView setTitleColor:[UIColor blackColor] forState:UIControlStateNormal];
48     [keyView setTitle:key forState:UIControlStateNormal];
49     [keyView.layer setBorderWidth:1];
50     [keyView.layer setBorderColor:[UIColor blackColor]CGColor];
51     [keyView.titleLabel setFont:[UIFont fontWithName:@"Arial-BoldItalicMT" size:36];
52     //键约束
53     [keyView mas_makeConstraints:^(MASConstraintMaker *make) {
54         //处理 0 合并单元格
55         if([key isEqualToString:@"0"] || [key isEqualToString:@"?"] ){
56             if([key isEqualToString:@"0"]){
57                 [keyView mas_makeConstraints:^(MASConstraintMaker *make) {
58                     make.height.equalTo(keyboardView.mas_height).with.multipliedBy
59                     make.width.equalTo(keyboardView.mas_width).multipliedBy(.5);
60                     make.left.equalTo(keyboardView.mas_left);
61                     make.baseline.equalTo(keyboardView.mas_baseli
62                 }];
63             }if([key isEqualToString:@"?"]){
64                 [keyView removeFromSuperview];
65             }
66         }
67         //正常的单元格
68         else{
69             make.width.equalTo(keyboardView.mas_width).with.multipliedBy(.25f);
70             make.height.equalTo(keyboardView.mas_height).with.multipliedBy(.2f);
71             //按照行和列添加约束, 这里添加行约束
72             switch (rowNum) {
73                 case 1:
74                 {
75                     make.baseline.equalTo(keyboardView.mas_baseli
76                     keyView.backgroundColor = [UIColor colorWithRed:205 green:205
77                 }
78                 break;
79                 case 2:
80                 {
81                     make.baseline.equalTo(keyboardView.mas_baseli
82                 }
83                 break;
84                 case 3:
85                 {
86                     make.baseline.equalTo(keyboardView.mas_baseli
87                 }
88                 break;
89                 case 4:
90                 {
91                     make.baseline.equalTo(keyboardView.mas_baseli
92                 }
93                 break;
94                 case 5:
95                 {
96                     make.baseline.equalTo(keyboardView.mas_baseli

```

```

97         }
98         break;
99     default:
100         break;
101     }
102     //按照行和列添加约束，这里添加列约束
103     switch (colNum) {
104         case 1:
105         {
106             make.left.equalTo(keyboardView.mas_left);
107         }
108         break;
109         case 2:
110         {
111             make.right.equalTo(keyboardView.mas_centerX);
112         }
113         break;
114         case 3:
115         {
116             make.left.equalTo(keyboardView.mas_centerX);
117         }
118         break;
119         case 4:
120         {
121             make.right.equalTo(keyboardView.mas_right);
122             [keyView setBackgroundColor:[UIColor colorWithRed:243 green:127 blue:255 alpha:0.5]];
123         }
124         break;
125     default:
126         break;
127     }
128     }
129     }];
130 }
131 }

```

本例子使用的baseline去控制高度位置，这似乎不是太准，如果想要精准控制高度位置，可以使用一行一行添加的方法，每次当前行的top去equalTo上一行的bottom。给个提示：

```

1  for (遍历所有行)
2      for (遍历所以列)
3          //当前行约束根据上一行去设置
4          .....

```

下一个例子中，使用上面类似的方法

## Masonry高级使用例子2

根据设计图，使用masonry布局：

### 步骤1



步骤2



## 步骤1

```

1  -(void)createUI{
2      UIView *titleLabel = [UIView new];
3      titleLabel.backgroundColor = [UIColor redColor];
4      UIView *caredView = [UIView new];
5      [self.view addSubview:caredView];
6      UIView *brifeView = [UIView new];
7      [self.view addSubview:brifeView];
8      //self.view
9      self.view.backgroundColor = [UIColor colorWithWhite:0.965 alpha:1.000];
10     //thrm
11     UIImageView *plantThrm = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"de
12     [self.view addSubview:plantThrm];
13     [plantThrm mas_makeConstraints:^(MASConstraintMaker *make) {
14         make.left.and.top.equalTo(self.view).with.offset(10);
15     }];
16     //title
17     [self.view addSubview:titleLabel];
18     UIImageView *bgTitleView = [[UIImageView alloc] initWithImage:[UIImage imageNamed:
19     [titleLabel addSubview:bgTitleView];
20     [titleLabel mas_makeConstraints:^(MASConstraintMaker *make) {
21         make.right.equalTo(self.view.mas_right);
22         make.left.equalTo(plantThrm.mas_right).with.offset(20);
23         make.centerY.equalTo(plantThrm.mas_centerY);
24     }];
25     [bgTitleView mas_makeConstraints:^(MASConstraintMaker *make) {
26         make.edges.equalTo(titleLabel);

```

```

27     });
28     UILabel *title = [[UILabel alloc] init];
29     title.textColor = [UIColor whiteColor];
30     title.font = [UIFont fontWithName:@"Heiti SC" size:26];
31     title.text = _reference.name;
32     [titleLabel addSubview:title];
33     [title mas_makeConstraints:^(MASConstraintMaker *make) {
34         make.left.equalTo(titleView.mas_left).offset(10);
35         make.width.equalTo(titleView.mas_width);
36         make.centerY.equalTo(titleView.mas_centerY);
37     }];
38     //植物养护
39     UILabel *caredTitle = [[UILabel alloc] init];
40     caredTitle.textColor = [UIColor colorWithRed:0.172 green:0.171 blue:0.219 alpha:1.];
41     caredTitle.font = [UIFont fontWithName:@"Heiti SC" size:10];
42     caredTitle.text = @"植物养护";
43     [self.view addSubview:caredTitle];
44     [caredTitle mas_makeConstraints:^(MASConstraintMaker *make) {
45         make.top.equalTo(plantThrm.mas_bottom).with.offset(20);
46         make.left.and.right.equalTo(self.view).with.offset(10);
47         make.height.mas_equalTo(10);
48     }];
49     //将图层的边框设置为圆脚
50     caredView.layer.cornerRadius = 5;
51     caredView.layer.masksToBounds = YES;
52     //给图层添加一个有色边框
53     caredView.layer.borderWidth = 1;
54     caredView.layer.borderColor = [UIColor colorWithWhite:0.521 alpha:1.000] CGColor];
55     caredView.backgroundColor = [UIColor whiteColor];
56     [caredView mas_makeConstraints:^(MASConstraintMaker *make) {
57         make.top.equalTo(caredTitle.mas_bottom).with.offset(5);
58         make.left.equalTo(self.view.mas_left).with.offset(10);
59         make.right.equalTo(self.view.mas_right).with.offset(-10);
60         make.height.equalTo(brifeView);
61     }];
62     //植物简介
63     UILabel *brifeTitle = [[UILabel alloc] init];
64     brifeTitle.textColor = [UIColor colorWithRed:0.172 green:0.171 blue:0.219 alpha:1.];
65     brifeTitle.font = [UIFont fontWithName:@"Heiti SC" size:10];
66     brifeTitle.text = @"植物简介";
67     [self.view addSubview:brifeTitle];
68     [brifeTitle mas_makeConstraints:^(MASConstraintMaker *make) {
69         make.top.equalTo(caredView.mas_bottom).with.offset(20);
70         make.left.and.right.equalTo(self.view).with.offset(10);
71         make.height.mas_equalTo(10);
72     }];
73     //将图层的边框设置为圆脚
74     brifeView.layer.cornerRadius = 5;
75     brifeView.layer.masksToBounds = YES;
76     //给图层添加一个有色边框
77     brifeView.layer.borderWidth = 1;
78     brifeView.layer.borderColor = [UIColor colorWithWhite:0.521 alpha:1.000] CGColor];
79     brifeView.backgroundColor = [UIColor whiteColor];
80     [brifeView mas_makeConstraints:^(MASConstraintMaker *make) {
81         make.top.equalTo(brifeTitle.mas_bottom).with.offset(5);
82         make.left.equalTo(self.view.mas_left).with.offset(10);
83         make.right.equalTo(self.view.mas_right).with.offset(-10);
84         make.bottom.equalTo(self.view.mas_bottom).with.offset(-10);
85         make.height.equalTo(caredView);
86     }];
87 }

```

完成之后如下图 步骤1





步骤2,在上面的基础上，增加植物养护部分ui构造的代码，思想是，先构造出四行，然后根据每行单独构造出行样式。

```
1 //把块拆分为四行
2 -(void)createIndexUIWithView:(UIView *)view{
3     //拆分四行
4     UIView *row1 = [UIView new];
5     UIView *row2 = [UIView new];
6     UIView *row3 = [UIView new];
7     UIView *row4 = [UIView new];
8     [view addSubview:row1];
9     [view addSubview:row2];
10    [view addSubview:row3];
11    [view addSubview:row4];
12    [row1 mas_makeConstraints:^(MASConstraintMaker *make) {
13        make.right.and.left.equalTo(view);
14        make.height.equalTo(view.mas_height).multipliedBy(0.25);
15        make.top.equalTo(view.mas_top);
16    }];
17    [row2 mas_makeConstraints:^(MASConstraintMaker *make) {
18        make.right.and.left.equalTo(view);
19        make.top.equalTo(row1.mas_bottom);
20        make.height.equalTo(view.mas_height).multipliedBy(0.25);
21    }];
22    [row3 mas_makeConstraints:^(MASConstraintMaker *make) {
23        make.right.equalTo(view.mas_right);
```

```

24         make.top.equalTo(row2.mas_bottom);
25         make.height.equalTo(view.mas_height).multipliedBy(0.25);
26         make.left.equalTo(view.mas_left);
27     }];
28     [row4 mas_makeConstraints:^(MASConstraintMaker *make) {
29         make.right.and.left.equalTo(view);
30         make.top.equalTo(row3.mas_bottom);
31         make.height.equalTo(view.mas_height).multipliedBy(0.25);
32     }];
33     [self createIndexRowUI:PlantReferenceWaterIndex withUIView:row1];
34     [self createIndexRowUI:PlantReferenceSumIndex withUIView:row2];
35     [self createIndexRowUI:PlantReferenceTemperatureIndex withUIView:row3];
36     [self createIndexRowUI:PlantReferenceElectrolyteIndex withUIView:row4];
37 }
38 //构造每行的UI
39 -(void)createIndexRowUI:(PlantReferenceIndex) index withUIView:(UIView *)view{
40     //index标题
41     UILabel *indexTitle = [UILabel new];
42     indexTitle.font = [UIFont fontWithName:@"HeiTi SC" size:14];
43     indexTitle.textColor = [UIColor colorWithWhite:0.326 alpha:1.000];
44     [view addSubview:indexTitle];
45     [indexTitle mas_makeConstraints:^(MASConstraintMaker *make) {
46         make.left.equalTo(view.mas_left).with.offset(20);
47         make.centerY.equalTo(view.mas_centerY);
48     }];
49     switch (index) {
50     case PlantReferenceWaterIndex:
51     {
52         indexTitle.text = @"水分";
53         UIImageView * current;
54         for(int i=1;i<=5;i++){
55             if(i<_reference.waterIndex){
56                 current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"
57             ]else{
58                 current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"
59             ]
60             [view addSubview:current];
61             //间距12%，左边留空30%
62             [current mas_makeConstraints:^(MASConstraintMaker *make) {
63                 make.left.equalTo(view.mas_right).with.multipliedBy(0.12*(i-1) +0.
64                 make.centerY.equalTo(view.mas_centerY);
65             }];
66         }
67     }
68     break;
69     case PlantReferenceSumIndex:
70     {
71         indexTitle.text = @"光照";
72         UIImageView * current;
73         for(int i=1;i<=5;i++){
74             if(i<_reference.temperatureIndex){
75                 current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"
76             ]else{
77                 current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"
78             ]
79             [view addSubview:current];
80             //间距12%，左边留空30%
81             [current mas_makeConstraints:^(MASConstraintMaker *make) {
82                 make.left.equalTo(view.mas_right).with.multipliedBy(0.12*(i-1) +0.
83                 make.centerY.equalTo(view.mas_centerY);
84             }];
85         }
86     }
87     break;
88     case PlantReferenceTemperatureIndex:
89     {
90         indexTitle.text = @"温度";
91         UIImageView * current;
92         for(int i=1;i<=5;i++){
93             if(i<_reference.sumIndex){

```

```

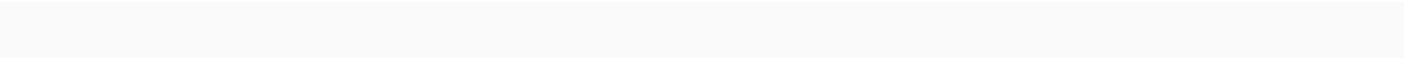
94         current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"'
95     }else{
96         current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"'
97     }
98     [view addSubview:current];
99     //间距12%, 左边留空30%
100     [current mas_makeConstraints:^(MASConstraintMaker *make) {
101         make.left.equalTo(view.mas_right).with.multipliedBy(0.12*(i-1) +0.
102         make.centerY.equalTo(view.mas_centerY);
103     }]];
104     }
105 }
106     break;
107 case PlantReferenceElectrolyteIndex:
108 {
109     indexTitle.text = @"肥料";
110     UIImageView * current;
111     for(int i=1;i<=5;i++){
112         if(i<_reference.electrolyteIndex){
113             current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"'
114         }else{
115             current = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"'
116         }
117         [view addSubview:current];
118         //间距12%, 左边留空30%
119         [current mas_makeConstraints:^(MASConstraintMaker *make) {
120             make.left.equalTo(view.mas_right).with.multipliedBy(0.12*(i-1) +0.
121             make.centerY.equalTo(view.mas_centerY);
122         }]];
123     }
124 }
125     break;
126 default:
127     break;
128 }
129 }
130 //在步骤1createui的基础上, 做了一些微调。
131 -(void)createUI{
132     self.title = _reference.name;
133     UIView *titleLabel = [UIView new];
134     UIView *caredView = [UIView new];
135     [self.view addSubview:caredView];
136     UITextView *brifeView = [UITextView new];
137     [self.view addSubview:brifeView];
138     //self.view
139     self.view.backgroundColor = [UIColor colorWithWhite:0.965 alpha:1.000];
140     //thrm
141     UIImageView *plantThrm = [[UIImageView alloc] initWithImage:[UIImage imageNamed:@"c
142     [self.view addSubview:plantThrm];
143     [plantThrm mas_makeConstraints:^(MASConstraintMaker *make) {
144         make.left.and.top.equalTo(self.view).with.offset(10);
145     }]];
146     //title
147     [self.view addSubview:titleView];
148     UIImageView *bgTitleView = [[UIImageView alloc] initWithImage:[UIImage imageName
149     [titleLabel addSubview:bgTitleView];
150     [titleLabel mas_makeConstraints:^(MASConstraintMaker *make) {
151         make.right.equalTo(self.view.mas_right);
152         make.left.equalTo(plantThrm.mas_right).with.offset(20);
153         make.centerY.equalTo(plantThrm.mas_centerY);
154     }]];
155     [bgTitleView mas_makeConstraints:^(MASConstraintMaker *make) {
156         make.edges.equalTo(titleView);
157     }]];
158     UILabel *title = [[UILabel alloc] init];
159     title.textColor = [UIColor whiteColor];
160     title.font = [UIFont fontWithName:@"Heiti SC" size:26];
161     title.text = _reference.name;
162     [titleLabel addSubview:title];
163     [title mas_makeConstraints:^(MASConstraintMaker *make) {

```

```

164         make.left.equalTo(titleView.mas_left).offset(10);
165         make.width.equalTo(titleView.mas_width);
166         make.centerY.equalTo(titleView.mas_centerY);
167     }];
168     //植物养护
169     UILabel *caredTitle = [[UILabel alloc] init];
170     caredTitle.textColor = [UIColor colorWithRed:0.172 green:0.171 blue:0.219 alpha:1];
171     caredTitle.font = [UIFont fontWithName:@"Heiti SC" size:10];
172     caredTitle.text = @"植物养护";
173     [self.view addSubview:caredTitle];
174     [caredTitle mas_makeConstraints:^(MASConstraintMaker *make) {
175         make.top.equalTo(plantThrm.mas_bottom).with.offset(20);
176         make.left.and.right.equalTo(self.view).with.offset(10);
177         make.height.mas_equalTo(10);
178     }];
179     //植物养护 数据
180     [self createIndexUIWithView:caredView];
181     //将图层的边框设置为圆脚
182     caredView.layer.cornerRadius = 5;
183     caredView.layer.masksToBounds = YES;
184     //给图层添加一个有色边框
185     caredView.layer.borderWidth = 1;
186     caredView.layer.borderColor = [[UIColor colorWithWhite:0.521 alpha:1.000] CGColor];
187     caredView.backgroundColor = [UIColor whiteColor];
188     [caredView mas_makeConstraints:^(MASConstraintMaker *make) {
189         make.top.equalTo(caredTitle.mas_bottom).with.offset(5);
190         make.left.equalTo(self.view.mas_left).with.offset(10);
191         make.right.equalTo(self.view.mas_right).with.offset(-10);
192         make.height.equalTo(briefView);
193     }];
194     //植物简介
195     UILabel *briefTitle = [[UILabel alloc] init];
196     briefTitle.textColor = [UIColor colorWithRed:0.172 green:0.171 blue:0.219 alpha:1];
197     briefTitle.font = [UIFont fontWithName:@"Heiti SC" size:10];
198     briefTitle.text = @"植物简介";
199     [self.view addSubview:briefTitle];
200     [briefTitle mas_makeConstraints:^(MASConstraintMaker *make) {
201         make.top.equalTo(caredView.mas_bottom).with.offset(20);
202         make.left.and.right.equalTo(self.view).with.offset(10);
203         make.height.mas_equalTo(10);
204     }];
205     //将图层的边框设置为圆脚
206     briefView.layer.cornerRadius = 5;
207     briefView.layer.masksToBounds = YES;
208     //给图层添加一个有色边框
209     briefView.layer.borderWidth = 1;
210     briefView.layer.borderColor = [[UIColor colorWithWhite:0.447 alpha:1.000] CGColor];
211     briefView.backgroundColor = [UIColor whiteColor];
212     //文字样式
213     // briefView.textColor = [UIColor colorWithWhite:0.352 alpha:1.000];
214     // briefView.font = [UIFont fontWithName:@"Heiti SC" size:12];
215     NSMutableParagraphStyle *paragraphStyle = [[NSMutableParagraphStyle alloc] init];
216     paragraphStyle.lineHeightMultiple = 2.0f;
217     paragraphStyle.maximumLineHeight = 25.f;
218     paragraphStyle.minimumLineHeight = 15.f;
219     paragraphStyle.alignment = NSTextAlignmentJustified;
220     NSDictionary *attributes = @{ NSFontAttributeName:[UIFont systemFontOfSize:12], NS
221     //植物简介数据
222     //briefView.text = _reference.brief;
223     briefView.attributedText = [[NSAttributedString alloc] initWithString:_reference.
224     [briefView mas_makeConstraints:^(MASConstraintMaker *make) {
225         make.top.equalTo(briefTitle.mas_bottom).with.offset(5);
226         make.left.equalTo(self.view.mas_left).with.offset(10);
227         make.right.equalTo(self.view.mas_right).with.offset(-10);
228         make.bottom.equalTo(self.view.mas_bottom).with.offset(-10);
229         make.height.equalTo(caredView);
230     }];
231 }

```



Carrier

9:15 AM

< 植物志

海棠01



海棠01

植物养护

水分

光照

温度

肥料

植物简介

乔木，高可达8米；小枝粗壮，圆柱形，幼时具短柔毛，逐渐脱落，老时红褐色或紫褐色，无毛；冬芽卵形，先端渐尖，微被柔毛，紫褐色，有数枚外露鳞片。叶片椭圆形至长椭圆形，长5-8厘米，宽2-3厘米，先端短渐尖或圆钝，基部宽楔形或近圆形，边缘有紧贴细锯齿，有时部分近于全缘，幼嫩时上下两面具稀疏短柔