

定位与地图

定位CoreLocation

CLLocationManager

startUpdatingLocation

- (void)locationManager:  
didUpdateLocations;;

stopUpdatingLocation

CLLocationDistance distanceFilter;  
每隔多少米定位一次

CLLocationAccuracy desiredAccuracy;  
定位精确度 (越精确就越耗电)

+ (BOOL)locationServicesEnabled;  
判断定位是否可用

CLGeocoder

地理编码方法  
- (void)geocodeAddressString:(NSString  
\*)addressString completionHandler:  
(CLGeocodeCompletionHandler)completionHandl  
er;

反地理编码方法  
- (void)reverseGeocodeLocation:(CLLocation  
\*)location completionHandler:  
(CLGeocodeCompletionHandler)completionHandler;

CLPlacemark

CLLocationCoordinate2D  
coordinate;经纬度  
CLLocationDegrees latitude;  
CLLocationDegrees longitude;  
CLLocationDistance  
altitude;海拔  
CLLocationDirection  
course;方向  
CLLocationSpeed  
speed;行走速度  
-(CLLocationDistance)distanceFromLocation:  
(const CLLocation \*)location方法可以计算2个位  
置之间的距离

CLLocation \*location; 地理位置

CLRegion \*region; 区域

NSDictionary \*addressDictionary;  
详细的地址信息

NSString \*name; 地址名称

NSString \*locality; 城市

地图MapKit

MKMapView

userTrackingMode

MKUserTrackingModeNone  
MKUserTrackingModeFollow  
MKUserTrackingModeFollowWithHeading

mapViewType

MKMapTypeStandard  
MKMapTypeSatellite  
MKMapTypeHybrid

代理方法

- (void)mapView:(MKMapView \*)mapView  
didUpdateUserLocation:(MKUserLocation \*)userLocation;  
当监听到用户位置的时候调用

- (void)mapView:(MKMapView \*)mapView  
regionDidChangeAnimated:(BOOL)animated;  
地图的显示区域已经发生改变的时候调用

设置MapView的显示区域

- (void)setCenterCoordinate:  
(CLLocationCoordinate2D)coordinate animated:  
(BOOL)animated;设置地图的中心点位置

- (void)setRegion:  
(MKCoordinateRegion)region animated:  
(BOOL)animated;设置地图的显示区域

大头针

基本操作

添加一个大头针  
- (void)addAnnotation:(id<MKAnnotation>)annotation;  
添加多个大头针  
- (void)addAnnotations:(NSArray \*)annotations;  
移除一个大头针  
- (void)removeAnnotation:(id<MKAnnotation>)annotation;  
移除多个大头针  
- (void)removeAnnotations:(NSArray \*)annotations;

自定义大头针

实现下面的代理方法, 返回大头针控件  
- (MKAnnotationView \*)mapView:(MKMapView \*)mapView  
viewForAnnotation:(id <MKAnnotation>)annotation;

MKAnnotationView

id <MKAnnotation> annotation;  
大头针模型  
UIImage \*image; 显示的图片  
BOOL canShowCallout;  
是否显示标注  
CGPoint calloutOffset;  
标注的偏移量  
UIView \*rightCalloutAccessoryView;  
标注右边显示什么控件  
UIView \*leftCalloutAccessoryView;  
标注左边显示什么控件

MKPinAnnotationView

MKPinAnnotationView是MKAnnotationView的子类  
MKPinAnnotationColor pinColor; 大头针颜色  
BOOL animatesDrop; 大头针第一次显示时是否从天而降

MKDirections

MKDirectionsRequest

起始点source  
目的地destination

transportType交通工具

MKDirectionsTransportTypeAutomobile开车  
MKDirectionsTransportTypeWalking  
MKDirectionsTransportTypeAny

- (void)calculateDirectionsWithCompletionHandler:  
(MKDirectionsHandler)completionHandler;

MKDirectionsResponse

routes所有的线路

polyline获取多线段

[self.mapKit addOverlay:polyline];

MKOverlayRenderer

- (MKOverlayRenderer \*)mapView:(MKMapView \*)mapView  
rendererForOverlay (id<MKOverlay>)overlay

MKPolylineRenderer

strokeColor  
fillColor  
lineWidth

id <MKAnnotation>)annotation大头针  
模型对象: 用来封装大头针的数据, 比如大头  
针的位置、标题、子标题等数据

CLLocationCoordinate2D center

MKCoordinateSpan span

CLLocationDegrees latitudeDelta;  
CLLocationDegrees longitudeDelta;

新建一个大头针模型类  
#import <MapKit/MapKit.h>  
@interface MJTuangouAnnotation : NSObject <MKAnnotation>  
/\*\* 坐标位置 \*/  
@property (nonatomic, assign) CLLocationCoordinate2D coordinate;  
/\*\* 标题 \*/  
@property (nonatomic, copy) NSString \*title;  
/\*\* 子标题 \*/  
@property (nonatomic, copy) NSString \*subtitle;  
@end

MJTuangouAnnotation \*anno = [MJTuangouAnnotation alloc] init];  
anno.title = @"传智播客OS学院";  
anno.subtitle = @"全部课程15折, 会员20折, 老学员30折";  
anno.coordinate = CLLocationCoordinate2DMake(40, 116);  
[self.mapView addAnnotation:anno];

[MKMapItem mapItemForCurrentLocation]

[[MKMapItem alloc] initWithPlacemark:mkPM];

- (id)initWithPlacemark:(CLPlacemark \*)placemark;