

I Bike CPH

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## Chapter 1

# I Bike CPH Documentation

[Screens](#) - View controllers

[Libs](#) - Various libraries



## Chapter 2

# AddressParser

Address parser used in I Bike CPH project

This class just parses the address string separating street, house number, zip and city



## Chapter 3

# routing-engine

Routing engine for use with I Bike CPH and Spoiled Milk fork of RMMMapView

You should add **smroute\_setting.plist** file to the application that is using routing-engine. You can find example of such file in this dir (**smroute\_settings\_example.plist**).

Routing-engine will also read **smroute\_setting\_private.plist**. A file called **EXAMPLE\_smroute\_settings\_↵private.plist** has been placed in the same folder to get you started. Just copy it to **smroute\_settings\_private.plist** and change the info.

**DO NOT CHANGE THE EXAMPLE FILE AND COMMIT IT. YOUR LOGIN INFO WILL END UP IN THE REPOS\_↵ITORY FOR ALL TO SEE.**



# Chapter 4

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# Chapter 7

## Module Documentation

### 7.1 Screens

#### Classes

- class [SMAboutController](#)
- class [SMAccountController](#)
- class [SMEnterRouteController](#)
- class [SMFavoritesController](#)
- class [SMLoginController](#)
- class [SMRegisterController](#)
- class [SMReportErrorController](#)
- class [SMRouteNavigationController](#)
- class [SMSearchController](#)
- class [SMSettingsController](#)
- class [SMSplashController](#)
- class [SMViewController](#)

#### 7.1.1 Detailed Description

Various view controllers

## 7.2 Libs

### Classes

- class [AsyncImageView](#)
- class [SMContacts](#)
- class [SMFavoritesUtil](#)
- class [SMTokenizedTextField](#)
- class [SMTranslatedViewController](#)
- class [SMUtil](#)
- class [FlickableView](#)
- class [SMAutocomplete](#)
- class [SMGeocoder](#)
- class [SMGPSUtil](#)
- class [SMLocationManager](#)
- class [SMNearbyPlaces](#)
- class [SMRequestOSRM](#)
- class [SMRouteSettings](#)
- class [SMRouteUtils](#)
- class [SMTurnInstruction](#)
- class [SMAPIOperation](#)
- class [SMAPIQueue](#)
- class [SMFoursquareOperation](#)
- class [SMKMSAddressOperation](#)
- class [SMKMSPlacesOperation](#)
- class [SMKMSStreetOperation](#)
- class [SMTranslation](#)

### Properties

- id< [SMEventsDelegate](#) > [SMEvents::delegate](#)
- id< [SMSearchHistoryDelegate](#) > [SMSearchHistory::delegate](#)

#### 7.2.1 Detailed Description

Libraries

#### 7.2.2 Properties

7.2.2.1 `-(id<SMEventsDelegate>) delegate` `[read], [write], [nonatomic], [weak]`

Events (FB + local) import

7.2.2.2 `-(id<SMSearchHistoryDelegate>) delegate` `[read], [write], [nonatomic], [weak]`

Fetches/saves history

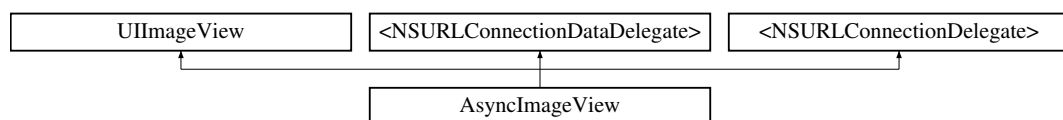
## Chapter 8

# Class Documentation

### 8.1 AsyncImageView Class Reference

```
#import <AsyncImageView.h>
```

Inheritance diagram for AsyncImageView:



#### Instance Methods

- (void) - [loadImage:](#)
- (void) - [loadImage:withBackup:](#)
- (void) - [cancelLoad](#)

#### Protected Attributes

- BOOL **hasBackup**

#### Properties

- id< [AsyncImageViewDelegate](#) > **delegate**
- NSURLConnection \* [conn](#)

#### 8.1.1 Detailed Description

Asynchronously loads an image

`loadImage:` - asynchronously loads an image checking the cache first  
`loadImage:withBackup:` - asynchronously load an image with backup link in case the first one doesn't exist

#### 8.1.2 Method Documentation

#### 8.1.2.1 - (void) cancelLoad

Cancel loading

#### 8.1.2.2 - (void) loadImage: (NSString\*) *imagePath*

asynchronously loads an image checking the cache first

#### 8.1.2.3 - (void) loadImage: (NSString\*) *imagePath* withBackup:(NSString\*) *backup*

asynchronously load an image with backup link in case the first one doesn't exist (cache is checked in both cases)

### 8.1.3 Property Documentation

#### 8.1.3.1 - (NSURLConnection\*) *conn* [read],[write],[nonatomic],[strong]

URL connection

The documentation for this class was generated from the following files:

- Classes/AsyncImageView.h
- Classes/AsyncImageView.m

## 8.2 AsyncImageView() Category Reference

### Properties

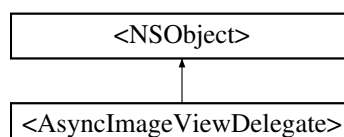
- NSMutableData \* **imageData**
- NSString \* **backupImg**
- NSString \* **currentImage**

The documentation for this category was generated from the following file:

- Classes/AsyncImageView.m

## 8.3 <AsyncImageViewDelegate> Protocol Reference

Inheritance diagram for <AsyncImageViewDelegate>:



### Instance Methods

- (void) - **imageLoadingDone:**
- (void) - **newImageSize:forObj:**

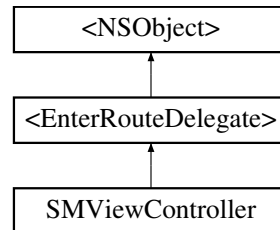
The documentation for this protocol was generated from the following file:

- Classes/AsyncImageView.h

## 8.4 <EnterRouteDelegate> Protocol Reference

```
#import <SMEnterRouteController.h>
```

Inheritance diagram for <EnterRouteDelegate>:



### Instance Methods

- (void) - **findRouteFrom:to:fromAddress:toAddress:**
- (void) - **findRouteFrom:to:fromAddress:toAddress:withJSON:**

### 8.4.1 Detailed Description

Route picker delegate methods

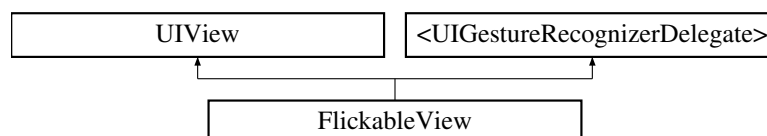
The documentation for this protocol was generated from the following file:

- Classes/SMEnterRouteController.h

## 8.5 FlickableView Class Reference

```
#import <FlickableView.h>
```

Inheritance diagram for FlickableView:



### Instance Methods

- (void) - **setupForHorizontalSwipeWithStart:andEnd:**
- (void) - **setupForVerticalSwipeWithStart:andEnd:**
- (void) - **setupForHorizontalSwipeWithStart:andEnd:andStart:andPullView:**
- (void) - **addPullView:**

## Properties

- CGFloat **startPos**
- CGFloat **endPos**
- CGFloat **threshold**
- CGFloat **originalPos**

### 8.5.1 Detailed Description

Flickable view

handles pull gesture used to swipe the main screen away revealing a menu under it

The documentation for this class was generated from the following files:

- Libs/Flickable View/FlickableView.h
- Libs/Flickable View/FlickableView.m

## 8.6 FlickableView() Category Reference

### Protected Attributes

- FlickableViewType **swipeDirection**
- BOOL **blockTouch**
- CGPoint **startTouch**

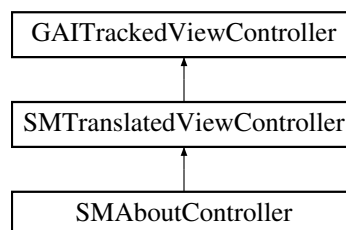
The documentation for this category was generated from the following file:

- Libs/Flickable View/FlickableView.m

## 8.7 SMAboutController Class Reference

```
#import <SMAboutController.h>
```

Inheritance diagram for SMAboutController:



### Protected Attributes

- \_\_weak IBOutlet UIScrollView \* **scrView**
- \_\_weak IBOutlet UILabel \* **aboutText**



## Additional Inherited Members

### 8.7.1 Detailed Description

About screen

The documentation for this class was generated from the following file:

- Classes/SMAboutController.h

## 8.8 SMAboutController() Category Reference

### Protected Attributes

- `__weak IBOutlet UILabel * debugLabel`

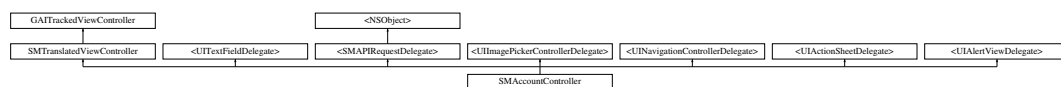
The documentation for this category was generated from the following file:

- Classes/SMAboutController.m

## 8.9 SMAccountController Class Reference

```
#import <SMAccountController.h>
```

Inheritance diagram for SMAccountController:



### Protected Attributes

- `__weak IBOutlet UIImageView * fbImage`
- `__weak IBOutlet UILabel * fbName`
- `__weak IBOutlet UIView * fbView`
- `__weak IBOutlet UIScrollView * scrView`
- `__weak IBOutlet UIImageView * regularImage`
- `__weak IBOutlet UITextField * name`
- `__weak IBOutlet UITextField * email`
- `__weak IBOutlet UITextField * password`
- `__weak IBOutlet UITextField * passwordRepeat`
- `__weak IBOutlet UIView * regularView`
- `BOOL hasChanged`

## Additional Inherited Members

### 8.9.1 Detailed Description

Account screen

The documentation for this class was generated from the following file:

- Classes/SMAccountController.h

## 8.10 SMAccountController() Category Reference

### Properties

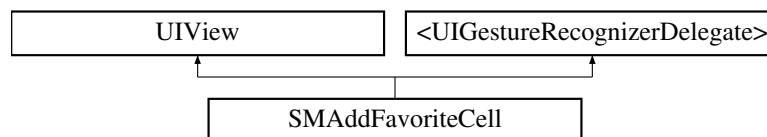
- [SMAPIRequest](#) \* **apr**
- UIImage \* **profileImage**
- NSDictionary \* **userData**

The documentation for this category was generated from the following file:

- Classes/SMAccountController.m

## 8.11 SMAAddFavoriteCell Class Reference

Inheritance diagram for SMAAddFavoriteCell:



### Class Methods

- (CGFloat) + **getHeight**
- ([SMAAddFavoriteCell](#) \*) + **getFromNib**

### Protected Attributes

- \_\_weak IBOutlet UIImageView \* **cellIBG**

### Properties

- IBOutlet UIImageView \* **image**
- IBOutlet UILabel \* **text**
- IBOutlet UIImageView \* **addFavoritesSymbol**
- id< [ViewTapDelegate](#) > **delegate**

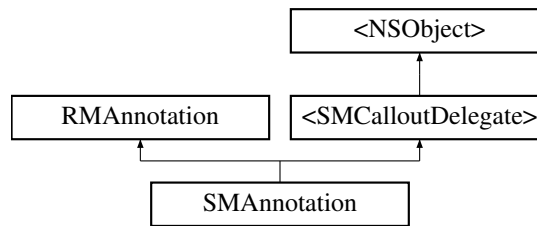
The documentation for this class was generated from the following files:

- Views/SMAAddFavoriteCell.h
- Views/SMAAddFavoriteCell.m

## 8.12 SMAAnnotation Class Reference

```
#import <SMAAnnotation.h>
```

Inheritance diagram for SMAAnnotation:



### Instance Methods

- (void) - **showCallout**
- (void) - **hideCallout**

### Properties

- id< [SMAnnotationActionDelegate](#) > **delegate**
- [SMCalloutView](#) \* **calloutView**
- BOOL **calloutShown**
- NSArray \* **nearbyObjects**
- NSString \* **subtitle**
- CLLocation \* **routingCoordinate**

#### 8.12.1 Detailed Description

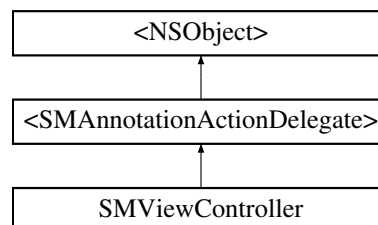
Custom annotation

The documentation for this class was generated from the following files:

- Classes/SMAnnotation.h
- Classes/SMAnnotation.m

## 8.13 <SMAnnotationActionDelegate> Protocol Reference

Inheritance diagram for <SMAnnotationActionDelegate>:



### Instance Methods

- (void) - **annotationActivated:**

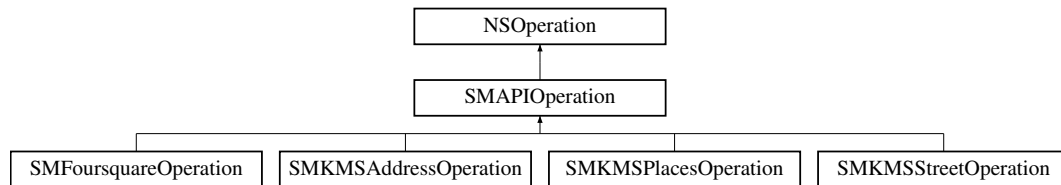
The documentation for this protocol was generated from the following file:

- Classes/SMAnnotation.h

## 8.14 SMAPIOperation Class Reference

```
#import <SMAPIOperation.h>
```

Inheritance diagram for SMAPIOperation:



### Instance Methods

- (void) - **terminate**
- (void) - **timeoutCancel:**
- (id) - **initWithData:andDelegate:**

### Properties

- id< [SMAPIOperationDelegate](#) > **delegate**
- NSTimer \* **timeoutTimer**
- NSDictionary \* **startParams**
- NSMutableData \* **responseData**
- NSURLConnection \* **conn**
- NSArray \* **results**
- BOOL **taskFinished**
- BOOL **inProgress**
- BOOL **isStopped**
- NSInteger **statusCode**
- NSString \* **searchString**

### 8.14.1 Detailed Description

API operation base class

The documentation for this class was generated from the following files:

- Libs/routing-engine/APIQueue/SMAPIOperation.h
- Libs/routing-engine/APIQueue/SMAPIOperation.m

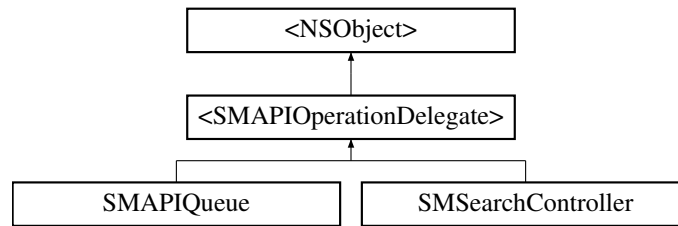
## 8.15 SMAPIOperation() Category Reference

The documentation for this category was generated from the following file:

- Libs/routing-engine/APIQueue/SMAPIOperation.m

## 8.16 <SMAPIOperationDelegate> Protocol Reference

Inheritance diagram for <SMAPIOperationDelegate>:



### Instance Methods

- (void) - **queuedRequest:failedWithError:**
- (void) - **queuedRequest:finishedWithResult:**

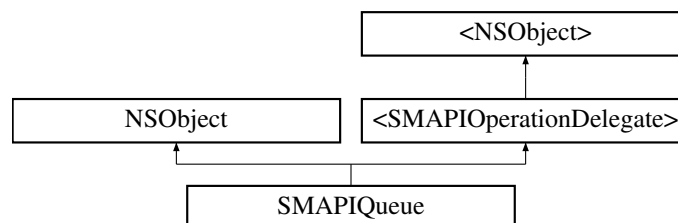
The documentation for this protocol was generated from the following file:

- Libs/routing-engine/APIQueue/SMAPIOperation.h

## 8.17 SMAPIQueue Class Reference

```
#import <SMAPIQueue.h>
```

Inheritance diagram for SMAPIQueue:



### Instance Methods

- (void) - **stopAllRequests**
- (void) - **cancelTask:**
- (id) - **initWithMaxOperations:**
- ([SMFoursquareOperation \\*](#)) - **addFoursquareTask:**
- ([SMKMSSStreetOperation \\*](#)) - **addKMSSStreetTask:**
- ([SMKMSPlacesOperation \\*](#)) - **addKMSPlacesTask:**
- (void) - **addTasks:**

### Properties

- id< [SMAPIOperationDelegate](#) > **delegate**
- NSOperationQueue \* **queue**

### 8.17.1 Detailed Description

API operations queue

### 8.17.2 Method Documentation

#### 8.17.2.1 - (SMFoursquareOperation \*) addFoursquareTask: (NSDictionary\*) *taskDict*

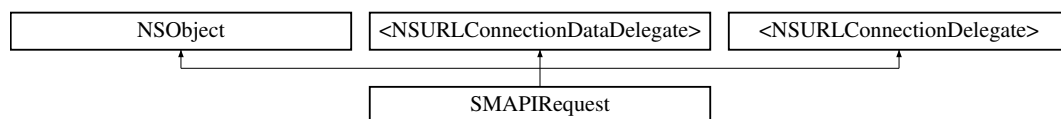
add a task to queue and get a pointer to it

The documentation for this class was generated from the following files:

- Libs/routing-engine/APIQueue/SMAPIQueue.h
- Libs/routing-engine/APIQueue/SMAPIQueue.m

## 8.18 SMAPIRequest Class Reference

Inheritance diagram for SMAPIRequest:



### Instance Methods

- (id) - **initWithDelegate:**
- (void) - **executeRequest:params:**
- (void) - **showTransparentWaitingIndicatorInView:**
- (void) - **hideWaitingView**

### Properties

- id< [SMAPIRequestDelegate](#) > **delegate**
- NSString \* **requestIdentifier**
- BOOL **manualRemove**

The documentation for this class was generated from the following files:

- Classes/SMAPIRequest.h
- Classes/SMAPIRequest.m

## 8.19 SMAPIRequest() Category Reference

### Properties

- NSDictionary \* **serviceParams**
- NSDictionary \* **serviceURL**
- NSURLConnection \* **conn**
- NSMutableData \* **responseData**

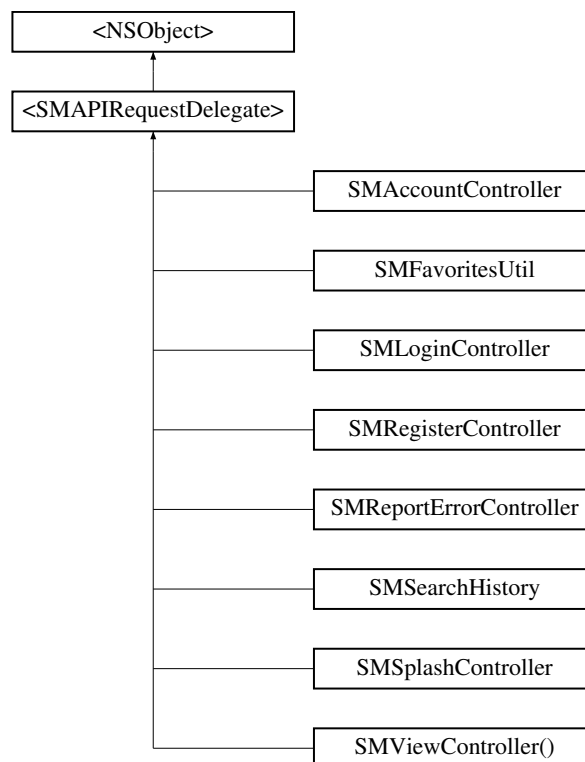
- UIView \* **waitingView**

The documentation for this category was generated from the following file:

- Classes/SMAPIRequest.m

## 8.20 <SMAPIRequestDelegate> Protocol Reference

Inheritance diagram for <SMAPIRequestDelegate>:



### Instance Methods

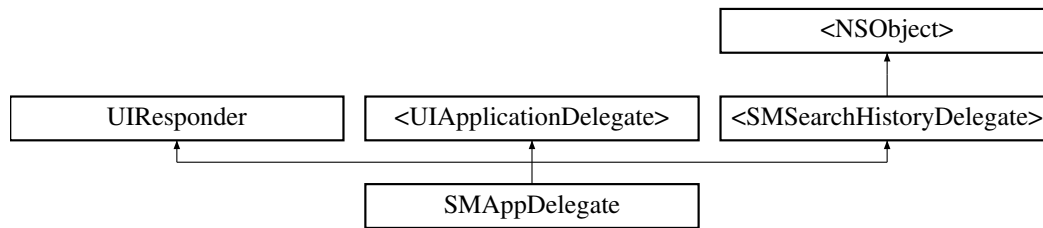
- (void) - **request:completedWithResult:**
- (void) - **request:failedWithError:**
- (void) - **serverNotReachable**

The documentation for this protocol was generated from the following file:

- Classes/SMAPIRequest.h

## 8.21 SMAAppDelegate Class Reference

Inheritance diagram for SMAAppDelegate:



### Instance Methods

- (BOOL) - **saveSettings**
- (void) - **loadSettings**

### Properties

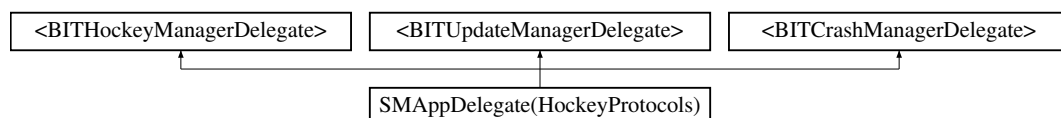
- UIWindow \* **window**
- BOOL **fbLoggedIn**
- FBSession \* **session**
- FBRequestConnection \* **fbConnection**
- NSArray \* **currentContacts**
- NSArray \* **currentEvents**
- NSArray \* **pastRoutes**
- NSArray \* **searchHistory**
- id< GAITracker > **tracker**
- NSMutableDictionary \* **appSettings**

The documentation for this class was generated from the following files:

- SAppDelegate.h
- SAppDelegate.m

## 8.22 SAppDelegate(HockeyProtocols) Category Reference

Inheritance diagram for SAppDelegate(HockeyProtocols):



### Properties

- NSMutableDictionary \* **fbDict**

The documentation for this category was generated from the following file:

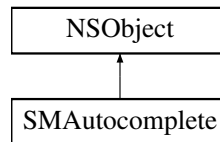
- SAppDelegate.m



## 8.23 SMAutocomplete Class Reference

```
#import <SMAutocomplete.h>
```

Inheritance diagram for SMAutocomplete:



### Instance Methods

- (id) - **initWithDelegate:**
- (void) - **getAutocomplete:**
- (void) - **getOiorestAutocomplete**
- (void) - **getFoursquareAutocomplete**
- (void) - **getKortforsyningenAutocomplete**

### 8.23.1 Detailed Description

Autocomplete object

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMAutocomplete.h
- Libs/routing-engine/SMAutocomplete.m

## 8.24 SMAutocomplete() Category Reference

### Protected Attributes

- AutocompleteType **completeType**

### Properties

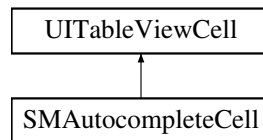
- id< [SMAutocompleteDelegate](#) > **delegate**
- NSString \* **srchString**
- NSMutableArray \* **resultsArr**

The documentation for this category was generated from the following file:

- Libs/routing-engine/SMAutocomplete.m

## 8.25 SMAutocompleteCell Class Reference

Inheritance diagram for SMAutocompleteCell:



### Class Methods

- (CGFloat) + **getHeight**

### Properties

- IBOutlet UILabel \* **nameLabel**
- IBOutlet UILabel \* **addressLabel**
- IBOutlet [AsyncImageView](#) \* **iconImage**

The documentation for this class was generated from the following files:

- Views/SMAutocompleteCell.h
- Views/SMAutocompleteCell.m

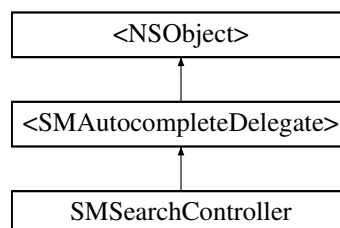
## 8.26 SMAutocompleteCell() Category Reference

The documentation for this category was generated from the following file:

- Views/SMAutocompleteCell.m

## 8.27 <SMAutocompleteDelegate> Protocol Reference

Inheritance diagram for <SMAutocompleteDelegate>:



### Instance Methods

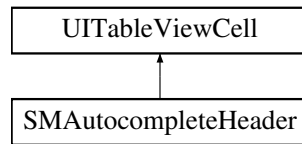
- (void) - **autocompleteEntriesFound:forString:**

The documentation for this protocol was generated from the following file:

- Libs/routing-engine/SMAutocomplete.h

## 8.28 SMAutocompleteHeader Class Reference

Inheritance diagram for SMAutocompleteHeader:



### Class Methods

- (CGFloat) + **getHeight**

### Properties

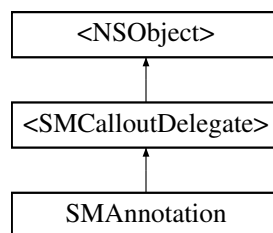
- IBOutlet UILabel \* **headerTitle**

The documentation for this class was generated from the following files:

- Views/SMAutocompleteHeader.h
- Views/SMAutocompleteHeader.m

## 8.29 <SMCalloutDelegate> Protocol Reference

Inheritance diagram for <SMCalloutDelegate>:



### Instance Methods

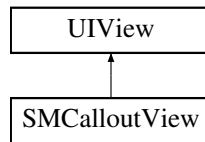
- (void) - **buttonClicked**

The documentation for this protocol was generated from the following file:

- Views/SMCalloutView.h

## 8.30 SMCalloutView Class Reference

Inheritance diagram for SMCalloutView:



## Class Methods

- (SMCalloutView \*) + **getFromNib**
- (CGFloat) + **getHeight**

## Properties

- id< SMCalloutDelegate > **delegate**
- IBOutlet UILabel \* **calloutLabel**
- IBOutlet UILabel \* **calloutSublabel**
- IBOutlet UIButton \* **calloutButton**
- IBOutlet UIImageView \* **bgLeft**
- IBOutlet UIImageView \* **bgMiddle**
- IBOutlet UIImageView \* **bgRight**

The documentation for this class was generated from the following files:

- Views/SMCalloutView.h
- Views/SMCalloutView.m

## 8.31 SMCalloutView() Category Reference

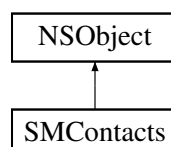
The documentation for this category was generated from the following file:

- Views/SMCalloutView.m

## 8.32 SMContacts Class Reference

```
#import <SMContacts.h>
```

Inheritance diagram for SMContacts:



## Instance Methods

- (void) - **loadContacts**
- (id) - **initWithDelegate:**

## Properties

- id< [SMContactsDelegate](#) > **delegate**

### 8.32.1 Detailed Description

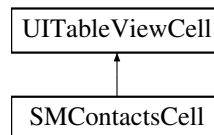
Contact list import

The documentation for this class was generated from the following files:

- Classes/SMContacts.h
- Classes/SMContacts.m

## 8.33 SMContactsCell Class Reference

Inheritance diagram for SMContactsCell:



## Class Methods

- (CGFloat) + **getHeight**

## Protected Attributes

- \_\_weak IBOutlet UIImageView \* **cellIBG**

## Properties

- IBOutlet UIImageView \* **contactImage**
- IBOutlet UILabel \* **contactName**
- IBOutlet UIImageView \* **contactDisclosure**

The documentation for this class was generated from the following files:

- Views/SMContactsCell.h
- Views/SMContactsCell.m

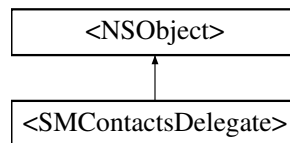
## 8.34 SMContactsCell() Category Reference

The documentation for this category was generated from the following file:

- Views/SMContactsCell.m

### 8.35 <SMContactsDelegate> Protocol Reference

Inheritance diagram for <SMContactsDelegate>:



#### Instance Methods

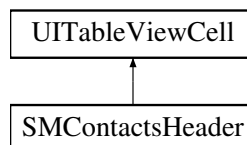
- (void) - **addressBookHelperError:**
- (void) - **addressBookHelperDeniedAccess:**
- (void) - **addressBookHelper:finishedLoading:**

The documentation for this protocol was generated from the following file:

- Classes/SMContacts.h

### 8.36 SMContactsHeader Class Reference

Inheritance diagram for SMContactsHeader:



#### Class Methods

- (CGFloat) + **getHeight**

#### Properties

- id< [SMContactsHeaderDelegate](#) > **delegate**
- IBOutlet UIImageView \* **headerImage**
- IBOutlet UILabel \* **headerText**
- IBOutlet UIButton \* **headerButton**

The documentation for this class was generated from the following files:

- Views/SMContactsHeader.h
- Views/SMContactsHeader.m

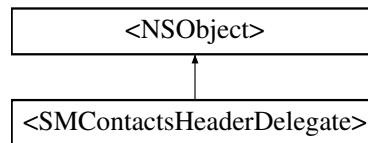
### 8.37 SMContactsHeader() Category Reference

The documentation for this category was generated from the following file:

- Views/SMContactsHeader.m

## 8.38 <SMContactsHeaderDelegate> Protocol Reference

Inheritance diagram for <SMContactsHeaderDelegate>:



### Instance Methods

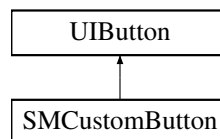
- (void) - **buttonPressed:**

The documentation for this protocol was generated from the following file:

- Views/SMContactsHeader.h

## 8.39 SMCustomButton Class Reference

Inheritance diagram for SMCustomButton:



### Instance Methods

- (void) - **resizeToFitTheTextWithMinWidth:andMaxWidth:**

The documentation for this class was generated from the following files:

- Views/SMCustomButton.h
- Views/SMCustomButton.m

## 8.40 SMCustomButton() Category Reference

### Properties

- float **minWidth**
- float **maxWidth**
- float **padding**
- BOOL **shouldResizeToText**

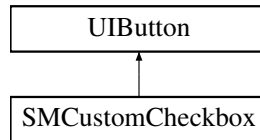
The documentation for this category was generated from the following file:

- Views/SMCustomButton.m

## 8.41 SMCustomCheckbox Class Reference

```
#import <SMCustomCheckbox.h>
```

Inheritance diagram for SMCustomCheckbox:



### Properties

- BOOL **on**

### 8.41.1 Detailed Description

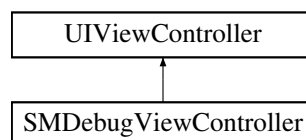
Custom checkbox

The documentation for this class was generated from the following file:

- Views/SMCustomCheckbox.h

## 8.42 SMDebugViewController Class Reference

Inheritance diagram for SMDebugViewController:

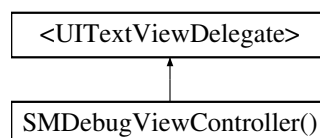


The documentation for this class was generated from the following file:

- Classes/SMDebugViewController.h

## 8.43 SMDebugViewController() Category Reference

Inheritance diagram for SMDebugViewController():





### Protected Attributes

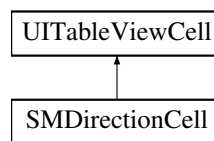
- `__weak IBOutlet UITextView * textLog`

The documentation for this category was generated from the following file:

- `Classes/SMDebugViewController.m`

## 8.44 SMDirectionCell Class Reference

Inheritance diagram for SMDirectionCell:



### Instance Methods

- (void) - **renderViewFromInstruction:**

### Class Methods

- (CGFloat) + **getHeight**
- (CGFloat) + **getHeightForDescription:andWayname:**

### Properties

- IBOutlet UILabel \* **lblDescription**
- IBOutlet UIImageView \* **imgDirection**
- IBOutlet UILabel \* **lblDistance**
- IBOutlet UILabel \* **lblWayname**

The documentation for this class was generated from the following files:

- `Views/SMDirectionCell.h`
- `Views/SMDirectionCell.m`

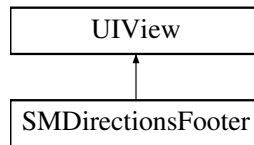
## 8.45 SMDirectionCell() Category Reference

The documentation for this category was generated from the following file:

- `Views/SMDirectionCell.m`

## 8.46 SMDirectionsFooter Class Reference

Inheritance diagram for SMDirectionsFooter:



### Class Methods

- (CGFloat) + **getHeight**
- (SMDirectionsFooter \*) + **getFromNib**

### Properties

- IBOutlet UILabel \* **label**
- id< ViewTapDelegate > **delegate**

The documentation for this class was generated from the following files:

- Views/SMDirectionsFooter.h
- Views/SMDirectionsFooter.m

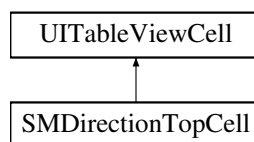
## 8.47 SMDirectionsFooter() Category Reference

The documentation for this category was generated from the following file:

- Views/SMDirectionsFooter.m

## 8.48 SMDirectionTopCell Class Reference

Inheritance diagram for SMDirectionTopCell:



### Instance Methods

- (void) - **renderViewFromInstruction:**

### Class Methods

- (CGFloat) + **getHeight**
- (CGFloat) + **getHeightForDescription:andWayname:**

## Properties

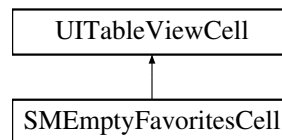
- IBOutlet UILabel \* **lblDescription**
- IBOutlet UIImageView \* **imgDirection**
- IBOutlet UILabel \* **lblDistance**
- IBOutlet UILabel \* **lblWayname**
- NSInteger **position**

The documentation for this class was generated from the following files:

- Views/SMDirectionTopCell.h
- Views/SMDirectionTopCell.m

## 8.49 SMDirectionTopCell Class Reference

Inheritance diagram for SMDirectionTopCell:



## Class Methods

- (CGFloat) + **getHeight**

## Properties

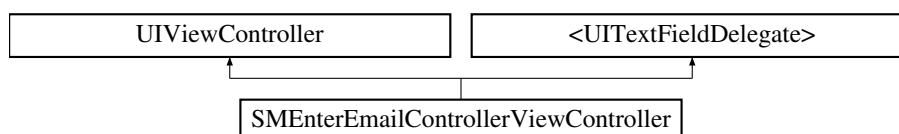
- IBOutlet UILabel \* **text**
- IBOutlet UILabel \* **addFavoritesText**
- IBOutlet UIImageView \* **addFavoritesSymbol**

The documentation for this class was generated from the following files:

- Views/SMDirectionTopCell.h
- Views/SMDirectionTopCell.m

## 8.50 SMDirectionTopCell Class Reference

Inheritance diagram for SMDirectionTopCell:



## Protected Attributes

- `__weak IBOutlet UITextField * emailField`
- `__weak IBOutlet UIScrollView * scrIView`

The documentation for this class was generated from the following file:

- `Classes/SMEnterEmailControllerViewController.h`

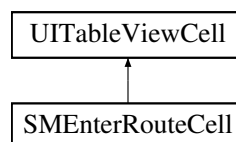
## 8.51 SMEnterEmailControllerViewController() Category Reference

The documentation for this category was generated from the following file:

- `Classes/SMEnterEmailControllerViewController.m`

## 8.52 SMEnterRouteCell Class Reference

Inheritance diagram for SMEnterRouteCell:



## Class Methods

- `(CGFloat) + getHeight`

## Properties

- `IBOutlet TTTAttributedLabel * nameLabel`
- `IBOutlet AsyncImageView * iconImage`
- `IBOutlet UIImageView * backImage`

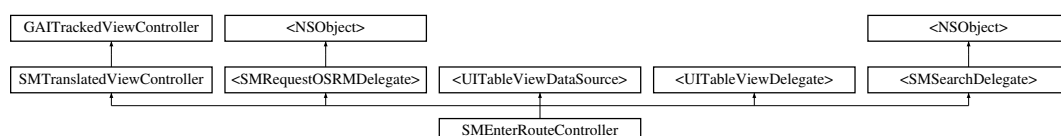
The documentation for this class was generated from the following files:

- `Views/SMEnterRouteCell.h`
- `Views/SMEnterRouteCell.m`

## 8.53 SMEnterRouteController Class Reference

```
#import <SMEnterRouteController.h>
```

Inheritance diagram for SMEnterRouteController:



### Protected Attributes

- `__weak IBOutlet UILabel * fromLabel`
- `__weak IBOutlet UITableView * tblView`
- `__weak IBOutlet UIView * fadeView`
- `__weak IBOutlet UITextField * toLabel`
- `__weak IBOutlet UIImageView * locationArrow`
- `__weak IBOutlet UIButton * swapButton`
- `__weak IBOutlet UIButton * startButton`

### Properties

- `id< EnterRouteDelegate > delegate`

### Additional Inherited Members

#### 8.53.1 Detailed Description

From/To address picker

The documentation for this class was generated from the following file:

- `Classes/SMEnterRouteController.h`

## 8.54 SMEnterRouteController() Category Reference

### Protected Attributes

- CurrentField **delegateField**
- BOOL **favoritesOpen**
- BOOL **historyOpen**

### Properties

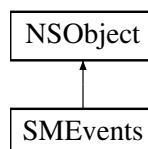
- NSArray \* **groupedList**
- NSDictionary \* **fromData**
- NSDictionary \* **toData**

The documentation for this category was generated from the following file:

- `Classes/SMEnterRouteController.m`

## 8.55 SMEvents Class Reference

Inheritance diagram for SMEvents:



### Instance Methods

- (void) - **getLocalEvents**
- (void) - **getFacebookEvents**
- (void) - **getAllEvents**

### Properties

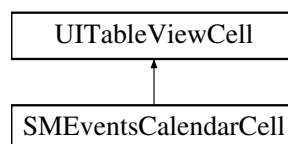
- id< [SMEventsDelegate](#) > **delegate**

The documentation for this class was generated from the following files:

- Classes/SMEvents.h
- Classes/SMEvents.m

## 8.56 SMEventsCalendarCell Class Reference

Inheritance diagram for SMEventsCalendarCell:



### Class Methods

- (CGFloat) + **getHeight**

### Properties

- IBOutlet UIImageView \* **cellBG**
- IBOutlet UILabel \* **timeLabel**
- IBOutlet UILabel \* **nameLabel**
- IBOutlet UILabel \* **addressLabel**
- IBOutlet UILabel \* **monthLabel**
- IBOutlet UILabel \* **dayLabel**

The documentation for this class was generated from the following files:

- Views/SMEventsCalendarCell.h
- Views/SMEventsCalendarCell.m

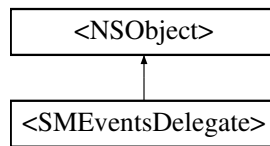
## 8.57 SMEventsCalendarCell() Category Reference

The documentation for this category was generated from the following file:

- Views/SMEventsCalendarCell.m

## 8.58 <SMEventsDelegate> Protocol Reference

Inheritance diagram for <SMEventsDelegate>:



### Instance Methods

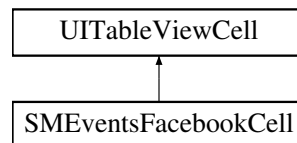
- (void) - **localEventsFound:**
- (void) - **facebookEventsFound:**

The documentation for this protocol was generated from the following file:

- Classes/SMEvents.h

## 8.59 SMEventsFacebookCell Class Reference

Inheritance diagram for SMEventsFacebookCell:



### Class Methods

- (CGFloat) + **getHeight**

### Properties

- IBOutlet UIImageView \* **cellBG**
- IBOutlet [AsyncImageView](#) \* **eventImg**
- IBOutlet UILabel \* **timeLabel**
- IBOutlet UILabel \* **nameLabel**
- IBOutlet UILabel \* **addressLabel**

The documentation for this class was generated from the following files:

- Views/SMEventsFacebookCell.h
- Views/SMEventsFacebookCell.m

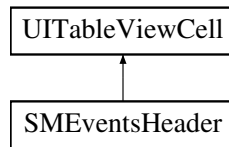
## 8.60 SMEventsFacebookCell() Category Reference

The documentation for this category was generated from the following file:

- Views/SMEventsFacebookCell.m

## 8.61 SMeventsHeader Class Reference

Inheritance diagram for SMeventsHeader:



### Instance Methods

- (void) - **setupHeaderWithData:**

### Class Methods

- (CGFloat) + **getHeight**

### Properties

- IBOutlet UILabel \* **dayLabel**
- IBOutlet UILabel \* **dateLabel**
- IBOutlet UIView \* **containerView**

The documentation for this class was generated from the following files:

- Views/SMeventsHeader.h
- Views/SMeventsHeader.m

## 8.62 SMeventsHeader() Category Reference

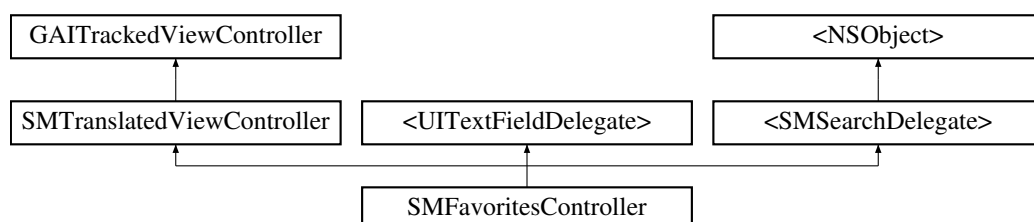
The documentation for this category was generated from the following file:

- Views/SMeventsHeader.m

## 8.63 SMFavoritesController Class Reference

```
#import <SMFavoritesController.h>
```

Inheritance diagram for SMFavoritesController:





### Protected Attributes

- `__weak IBOutlet UITextField * favoriteHome`
- `__weak IBOutlet UITextField * favoriteWork`
- `__weak IBOutlet UIScrollView * scrIView`
- `__weak IBOutlet UIView * favoritesView`

### Additional Inherited Members

#### 8.63.1 Detailed Description

Favorites list

The documentation for this class was generated from the following file:

- `Classes/SMFavoritesController.h`

## 8.64 SMFavoritesController() Category Reference

### Protected Attributes

- `FavoriteType searchFav`

### Properties

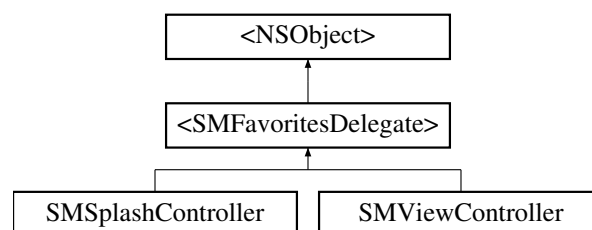
- `NSDictionary * homeDict`
- `NSDictionary * workDict`

The documentation for this category was generated from the following file:

- `Classes/SMFavoritesController.m`

## 8.65 <SMFavoritesDelegate> Protocol Reference

Inheritance diagram for <SMFavoritesDelegate>:



### Instance Methods

- (void) - `favoritesOperationFinishedSuccessfully:withData:`
- (void) - `favoritesOperation:failedWithError:`

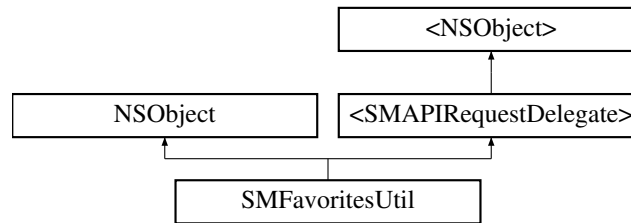
The documentation for this protocol was generated from the following file:

- `Classes/SMFavoritesUtil.h`

## 8.66 SMFavoritesUtil Class Reference

```
#import <SMFavoritesUtil.h>
```

Inheritance diagram for SMFavoritesUtil:



### Instance Methods

- ([SMFavoritesUtil](#) \*) - **initWithDelegate:**
- (void) - **fetchFavoritesFromServer**
- (void) - **addFavoriteToServer:**
- (void) - **deleteFavoriteFromServer:**
- (void) - **editFavorite:**

### Class Methods

- (NSMutableArray \*) + **getFavorites**
- (BOOL) + **saveToFavorites:**
- (BOOL) + **saveFavorites:**
- ([SMFavoritesUtil](#) \*) + **instance**

### Properties

- id< [SMFavoritesDelegate](#) > **delegate**

#### 8.66.1 Detailed Description

Fetches/saves favorites

The documentation for this class was generated from the following files:

- Classes/SMFavoritesUtil.h
- Classes/SMFavoritesUtil.m

## 8.67 SMFavoritesUtil() Category Reference

### Properties

- [SMAPIRequest](#) \* **apr**
- [SMAppDelegate](#) \* **appDelegate**

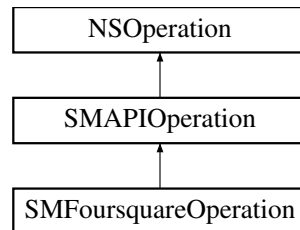
The documentation for this category was generated from the following file:

- Classes/SMFavoritesUtil.m

## 8.68 SMFoursquareOperation Class Reference

```
#import <SMFoursquareOperation.h>
```

Inheritance diagram for SMFoursquareOperation:



### Additional Inherited Members

#### 8.68.1 Detailed Description

Foursquare API operations

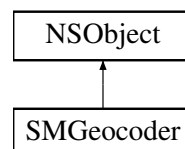
The documentation for this class was generated from the following file:

- Libs/routing-engine/APIQueue/SMFoursquareOperation.h

## 8.69 SMGeocoder Class Reference

```
#import <SMGeocoder.h>
```

Inheritance diagram for SMGeocoder:



### Class Methods

- (void) + [geocode:completionHandler:](#)
- (void) + **oiorestGeocode:completionHandler:**
- (void) + **appleGeocode:completionHandler:**
- (void) + [reverseGeocode:completionHandler:](#)
- (void) + **oiorestReverseGeocode:completionHandler:**

#### 8.69.1 Detailed Description

Geocoder/reverse geocoder

uses KFT, OIOREST or Apple's API

## 8.69.2 Method Documentation

8.69.2.1 + (void) geocode: (NSString\*) *str* completionHandler:(void(^)(NSArray\* placemarks, NSError\* error)) *handler*

geocoding function that uses either Apple's, OIOREST or KFT geocoder

8.69.2.2 + (void) reverseGeocode: (CLLocationCoordinate2D) *coord* completionHandler:(void(^)(NSDictionary \* response, NSError\* error)) *handler*

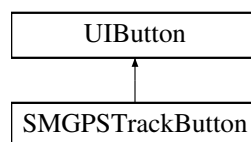
reverse geocoding uses either Apple's, OIOREST or KFT reverse geocoder

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMGeocoder.h
- Libs/routing-engine/SMGeocoder.m

## 8.70 SMGPSTrackButton Class Reference

Inheritance diagram for SMGPSTrackButton:



### Instance Methods

- (void) - **newGpsTrackState**:

### Properties

- ButtonStateType **gpsTrackState**
- ButtonStateType **prevGpsTrackState**

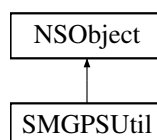
The documentation for this class was generated from the following files:

- Views/SMGPSTrackButton.h
- Views/SMGPSTrackButton.m

## 8.71 SMGPSUtil Class Reference

```
#import <SMGPSUtil.h>
```

Inheritance diagram for SMGPSUtil:



## Class Methods

- (double) + **bearingBetweenStartLocation:andEndLocation:**
- (NSMutableArray \*) + **decodePolyline:**

## Protected Member Functions

- (double) - **distanceFromLineInMeters**
- (CLLocationCoordinate2D) - **closestCoordinate**
- (BOOL) - [sameCoordinates](#)

### 8.71.1 Detailed Description

Routing engine GPS location utility methods

### 8.71.2 Method Documentation

8.71.2.1 - (BOOL) **sameCoordinates** (CLLocation \*) *loc1* (CLLocation \*) *loc2*

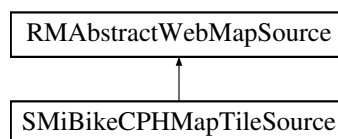
Compares coordinates of two CLLocation objects - returns true if they are the same

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMGPSUtil.h
- Libs/routing-engine/SMGPSUtil.m

## 8.72 SMiBikeCPHMapTileSource Class Reference

Inheritance diagram for SMiBikeCPHMapTileSource:



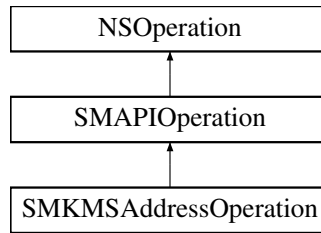
The documentation for this class was generated from the following file:

- Classes/SMiBikeCPHMapTileSource.h

## 8.73 SMKMSAddressOperation Class Reference

```
#import <SMKMSAddressOperation.h>
```

Inheritance diagram for SMKMSAddressOperation:



### Additional Inherited Members

#### 8.73.1 Detailed Description

KMS Address API operation

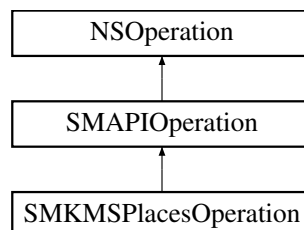
The documentation for this class was generated from the following file:

- Libs/routing-engine/APIQueue/SMKMSAddressOperation.h

### 8.74 SMKMSPlacesOperation Class Reference

```
#import <SMKMSPlacesOperation.h>
```

Inheritance diagram for SMKMSPlacesOperation:



### Additional Inherited Members

#### 8.74.1 Detailed Description

KMS Places API operation

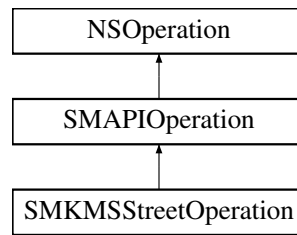
The documentation for this class was generated from the following file:

- Libs/routing-engine/APIQueue/SMKMSPlacesOperation.h

### 8.75 SMKMSStreetOperation Class Reference

```
#import <SMKMSStreetOperation.h>
```

Inheritance diagram for SMKMSStreetOperation:



## Additional Inherited Members

### 8.75.1 Detailed Description

KMS Street API operation

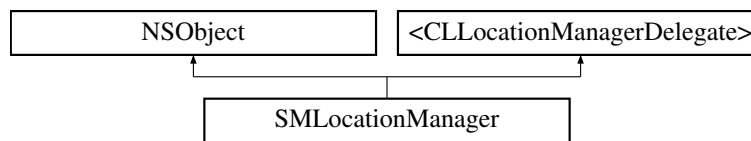
The documentation for this class was generated from the following file:

- Libs/routing-engine/APIQueue/SMKMSStreetOperation.h

## 8.76 SMLocationManager Class Reference

```
#import <SMLocationManager.h>
```

Inheritance diagram for SMLocationManager:



## Instance Methods

- (void) - **locationManager:didUpdateToLocation:fromLocation:**
- (void) - **locationManager:didFailWithError:**

## Class Methods

- ([SMLocationManager](#) \*) + **instance**

## Protected Attributes

- CLLocationManager \* **locationManager**

## Properties

- BOOL **hasValidLocation**
- CLLocation \* **lastValidLocation**
- BOOL **locationServicesEnabled**

### 8.76.1 Detailed Description

Background location manager

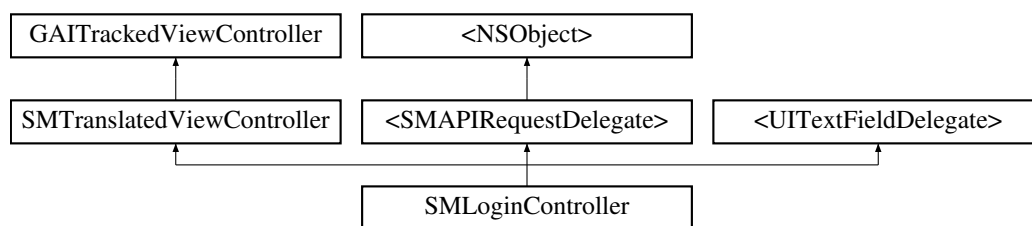
The documentation for this class was generated from the following files:

- Libs/routing-engine/SMLocationManager.h
- Libs/routing-engine/SMLocationManager.m

## 8.77 SMLoginController Class Reference

```
#import <SMLoginController.h>
```

Inheritance diagram for SMLoginController:



### Protected Attributes

- `__weak IBOutlet UITextField * loginEmail`
- `__weak IBOutlet UITextField * loginPassword`
- `__weak IBOutlet UIScrollView * scrView`

### Additional Inherited Members

#### 8.77.1 Detailed Description

Login from menu

The documentation for this class was generated from the following file:

- Classes/SMLoginController.h

## 8.78 SMLoginController() Category Reference

### Properties

- `SMAPIRequest * apr`

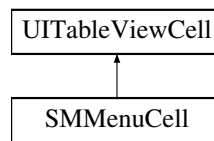
The documentation for this category was generated from the following file:

- Classes/SMLoginController.m



## 8.79 SMMenuCell Class Reference

Inheritance diagram for SMMenuCell:



### Class Methods

- (CGFloat) + **getHeight**

### Protected Attributes

- \_\_weak IBOutlet UIImageView \* **cellBG**

### Properties

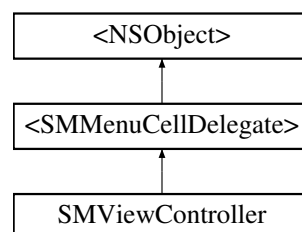
- IBOutlet UIImageView \* **image**
- IBOutlet UILabel \* **text**
- IBOutlet UIButton \* **editBtn**
- id< [SMMenuCellDelegate](#) > **delegate**

The documentation for this class was generated from the following files:

- Views/SMMenuCell.h
- Views/SMMenuCell.m

## 8.80 <SMMenuCellDelegate> Protocol Reference

Inheritance diagram for <SMMenuCellDelegate>:



### Instance Methods

- (void) - **editFavorite:**

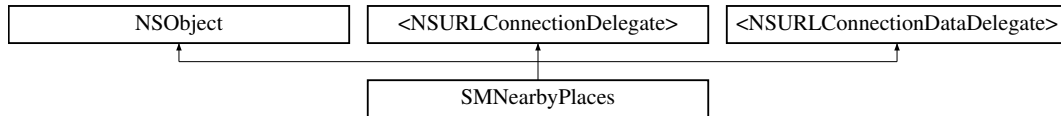
The documentation for this protocol was generated from the following file:

- Views/SMMenuCell.h

## 8.81 SMNearbyPlaces Class Reference

```
#import <SMNearbyPlaces.h>
```

Inheritance diagram for SMNearbyPlaces:



### Instance Methods

- (id) - **initWithDelegate:**
- (void) - **findPlacesForLocation:**

### Properties

- id< [SMNearbyPlacesDelegate](#) > **delegate**
- NSString \* **title**
- NSString \* **subtitle**
- CLLocation \* **coord**

### 8.81.1 Detailed Description

Nearby places locator

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMNearbyPlaces.h
- Libs/routing-engine/SMNearbyPlaces.m

## 8.82 SMNearbyPlaces() Category Reference

### Properties

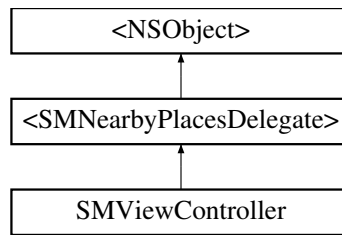
- NSURLConnection \* **conn**
- NSMutableData \* **responseData**

The documentation for this category was generated from the following file:

- Libs/routing-engine/SMNearbyPlaces.m

## 8.83 <SMNearbyPlacesDelegate> Protocol Reference

Inheritance diagram for <SMNearbyPlacesDelegate>:



### Instance Methods

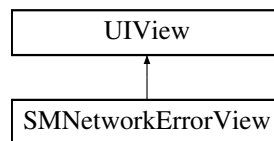
- (void) - **nearbyPlaces:foundLocations:**

The documentation for this protocol was generated from the following file:

- Libs/routing-engine/SMNearbyPlaces.h

## 8.84 SMNetworkErrorView Class Reference

Inheritance diagram for SMNetworkErrorView:



### Class Methods

- (CGSize) + **getSize**
- (SMNetworkErrorView \*) + **getFromNib**

### Properties

- IBOutlet UILabel \* **warningText**

The documentation for this class was generated from the following files:

- Views/SMNetworkErrorView.h
- Views/SMNetworkErrorView.m

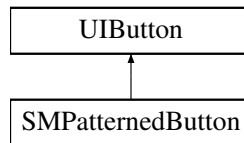
## 8.85 SMNetworkErrorView() Category Reference

The documentation for this category was generated from the following file:

- Views/SMNetworkErrorView.m

## 8.86 SMPatternedButton Class Reference

Inheritance diagram for SMPatternedButton:

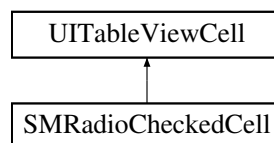


The documentation for this class was generated from the following file:

- Views/SMPatternedButton.h

## 8.87 SMRadioCheckedCell Class Reference

Inheritance diagram for SMRadioCheckedCell:



### Class Methods

- (CGFloat) + **getHeight**

### Properties

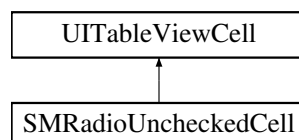
- IBOutlet UILabel \* **radioTitle**
- IBOutlet UITextView \* **radioTextBox**

The documentation for this class was generated from the following files:

- Views/SMRadioCheckedCell.h
- Views/SMRadioCheckedCell.m

## 8.88 SMRadioUncheckedCell Class Reference

Inheritance diagram for SMRadioUncheckedCell:



## Class Methods

- (CGFloat) + **getHeight**

## Properties

- IBOutlet UILabel \* **radioTitle**

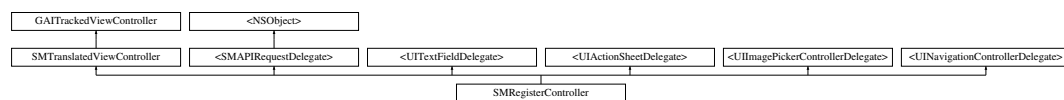
The documentation for this class was generated from the following files:

- Views/SMRadioUncheckedCell.h
- Views/SMRadioUncheckedCell.m

## 8.89 SMRegisterController Class Reference

```
#import <SMRegisterController.h>
```

Inheritance diagram for SMRegisterController:



## Protected Attributes

- \_\_weak IBOutlet UIScrollView \* **scrIView**
- \_\_weak IBOutlet UITextField \* **registerName**
- \_\_weak IBOutlet UITextField \* **registerEmail**
- \_\_weak IBOutlet UITextField \* **registerPassword**
- \_\_weak IBOutlet UITextField \* **registerRepeatPassword**
- \_\_weak IBOutlet UIImageView \* **registerImage**

## Additional Inherited Members

### 8.89.1 Detailed Description

Register from menu

The documentation for this class was generated from the following file:

- Classes/SMRegisterController.h

## 8.90 SMRegisterController() Category Reference

## Properties

- [SMAPIRequest](#) \* **apr**
- UIImage \* **profileImage**

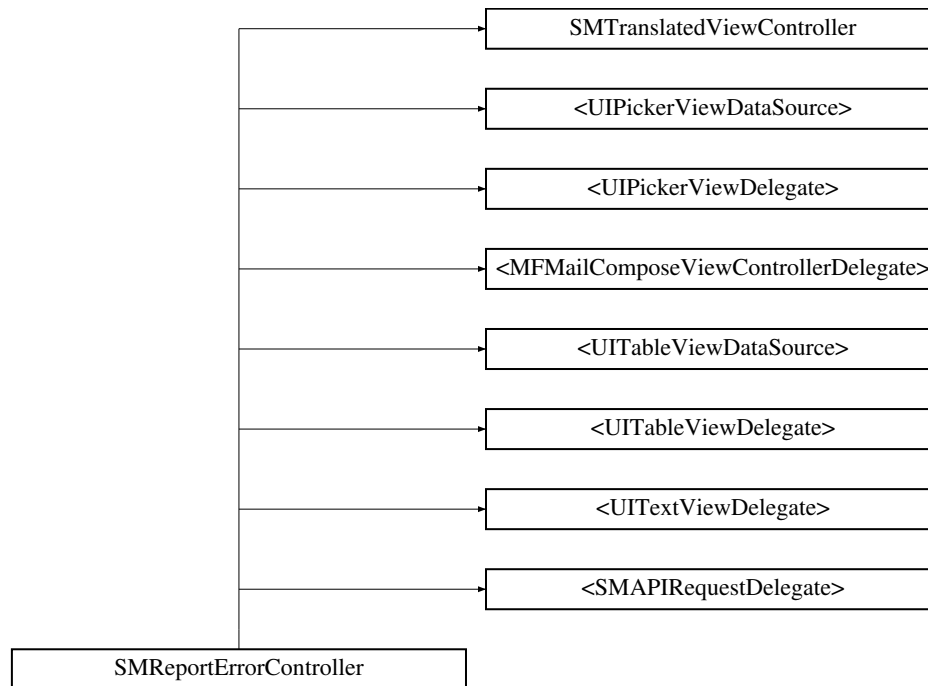
The documentation for this category was generated from the following file:

- Classes/SMRegisterController.m

## 8.91 SMReportErrorController Class Reference

```
#import <SMReportErrorController.h>
```

Inheritance diagram for SMReportErrorController:



### Protected Attributes

- `__weak IBOutlet UIButton * btnSelectRouteSegment`
- `__weak IBOutlet SMCustomCheckbox * switchContactMe`
- `__weak IBOutlet UIScrollView * scrView`
- `__weak IBOutlet UIView * fadeView`
- `__weak IBOutlet UIPickerView * pckrView`
- `__weak IBOutlet UITableView * tblView`
- `__weak IBOutlet UIView * reportSentView`
- `__weak IBOutlet UITextField * reportEmail`
- `BOOL pickerOpen`
- `NSInteger currentSelection`
- `__weak IBOutlet UIView * bottomView`

### Properties

- `NSArray * routeDirections`
- `NSString * source`
- `NSString * destination`
- `CLLocation * sourceLoc`
- `CLLocation * destinationLoc`

## Additional Inherited Members

### 8.91.1 Detailed Description

Report an error screen

The documentation for this class was generated from the following file:

- Classes/SMReportErrorController.h

## 8.92 SMReportErrorController() Category Reference

### Properties

- NSString \* **reportedSegment**
- NSArray \* **possibleErrors**
- NSString \* **reportText**
- [SMAPIRequest](#) \* **apr**

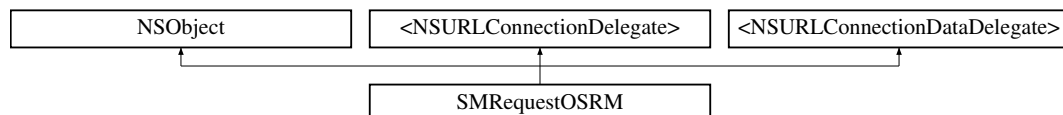
The documentation for this category was generated from the following file:

- Classes/SMReportErrorController.m

## 8.93 SMRequestOSRM Class Reference

```
#import <SMRequestOSRM.h>
```

Inheritance diagram for SMRequestOSRM:



### Instance Methods

- (id) - **initWithDelegate:**
- (void) - **findNearestPointForLocation:**
- (void) - **getRouteFrom:to:via:checksum:destinationHint:**
- (void) - **getRouteFrom:to:via:checksum:**
- (void) - **getRouteFrom:to:via:**
- (void) - **findNearestPointForStart:andEnd:**

### Properties

- id< [SMRequestOSRMDelegate](#) > **delegate**
- CLLocation \* **coord**
- NSString \* **requestIdentifier**
- id **auxParam**
- NSMutableData \* **responseData**
- NSString \* **osrmServer**

### 8.93.1 Detailed Description

OSRM API calls wrapper

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMRequestOSRM.h
- Libs/routing-engine/SMRequestOSRM.m

## 8.94 SMRequestOSRM() Category Reference

### Properties

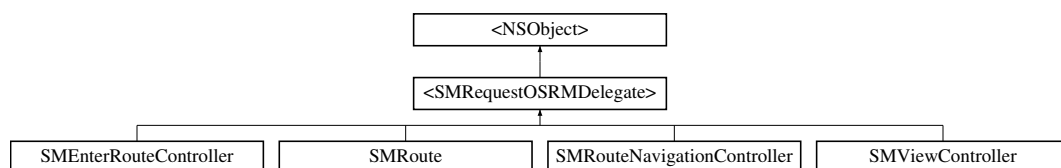
- NSURLConnection \* **conn**
- NSString \* **currentRequest**
- CLLocation \* **startLoc**
- CLLocation \* **endLoc**
- NSInteger **locStep**
- NSInteger **currentZ**
- NSDictionary \* **originalJSON**
- NSString \* **originalChecksum**
- NSString \* **originalStartHint**
- NSString \* **originalDestinationHint**
- NSArray \* **originalViaPoints**
- CLLocationCoordinate2D **originalStart**
- CLLocationCoordinate2D **originalEnd**

The documentation for this category was generated from the following file:

- Libs/routing-engine/SMRequestOSRM.m

## 8.95 <SMRequestOSRMDelegate> Protocol Reference

Inheritance diagram for <SMRequestOSRMDelegate>:



### Instance Methods

- (void) - **request:finishedWithResult:**
- (void) - **request:failedWithError:**
- (void) - **serverNotReachable**

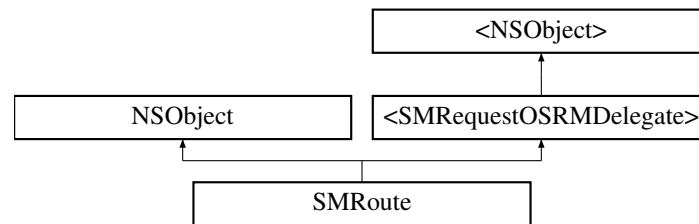
The documentation for this protocol was generated from the following file:

- Libs/routing-engine/SMRequestOSRM.h



## 8.96 SMRoute Class Reference

Inheritance diagram for SMRoute:



### Instance Methods

- (void) - [visitLocation:](#)
- (CLLocation \*) - [getStartLocation](#)
- (CLLocation \*) - **getEndLocation**
- (CLLocation \*) - **getFirstVisitedLocation**
- (CLLocation \*) - **getLastVisitedLocation**
- (NSDictionary \*) - **save**
- (CGFloat) - **calculateDistanceTraveled**
- (CGFloat) - **calculateAverageSpeed**
- (CGFloat) - **calculateCaloriesBurned**
- (NSString \*) - **timePassed**
- (id) - **initWithRouteStart:andEnd:andDelegate:**
- (id) - **initWithRouteStart:andEnd:andDelegate:andJSON:**
- (void) - **recalculateRoute:**
- (double) - **getCorrectedHeading**
- (BOOL) - **isOnPath**

### Protected Attributes

- BOOL **approachingTurn**
- double **distanceFromStart**

### Properties

- id< [SMRouteDelegate](#) > **delegate**
- NSMutableArray \* **waypoints**
- NSMutableArray \* **pastTurnInstructions**
- NSMutableArray \* **turnInstructions**
- NSMutableArray \* **visitedLocations**
- SMRouteType **routeType**
- CGFloat **distanceLeft**
- CGFloat **tripDistance**
- CGFloat **averageSpeed**
- CGFloat **caloriesBurned**
- CLLocationCoordinate2D **locationStart**
- CLLocationCoordinate2D **locationEnd**
- BOOL **recalculationInProgress**
- NSInteger **estimatedTimeForRoute**
- NSInteger **estimatedRouteDistance**

- NSString \* **routeChecksum**
- NSString \* **destinationHint**
- CLLocation \* **lastCorrectedLocation**
- double **lastCorrectedHeading**
- NSString \* **longestStreet**
- NSInteger **longestDistance**
- NSInteger **lastVisitedWaypointIndex**
- BOOL **snapArrow**
- NSString \* **osrmServer**

### 8.96.1 Method Documentation

#### 8.96.1.1 - (CLLocation \*) getStartLocation

are we close to the finish (< 10m or 3s left)? if there was only one instruction left go through usual channels we have somehow skipped most of the route (going through a park or unknown street)

#### 8.96.1.2 - (void) visitLocation: (CLLocation \*) loc

are we close to the finish (< 10m or 3s left)?

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMRoute.h
- Libs/routing-engine/SMRoute.m

## 8.97 SMRoute() Category Reference

### Properties

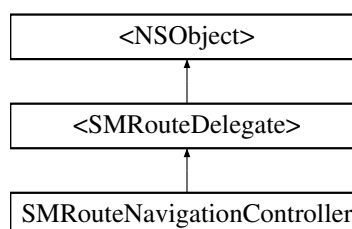
- [SMRequestOSRM](#) \* **request**
- CLLocation \* **lastRecalcLocation**
- NSObject \* **recalcMutex**
- CGFloat **distanceFromRoute**
- NSMutableArray \* **allTurnInstructions**
- NSUInteger **nextWaypoint**

The documentation for this category was generated from the following file:

- Libs/routing-engine/SMRoute.m

## 8.98 <SMRouteDelegate> Protocol Reference

Inheritance diagram for <SMRouteDelegate>:



## Instance Methods

- (void) - **updateTurn:**
- (void) - **reachedDestination**
- (void) - **updateRoute**
- (void) - **startRoute:**
- (void) - **routeNotFound**
- (void) - **serverError**
- (void) - **routeRecalculationStarted**
- (void) - **routeRecalculationDone**

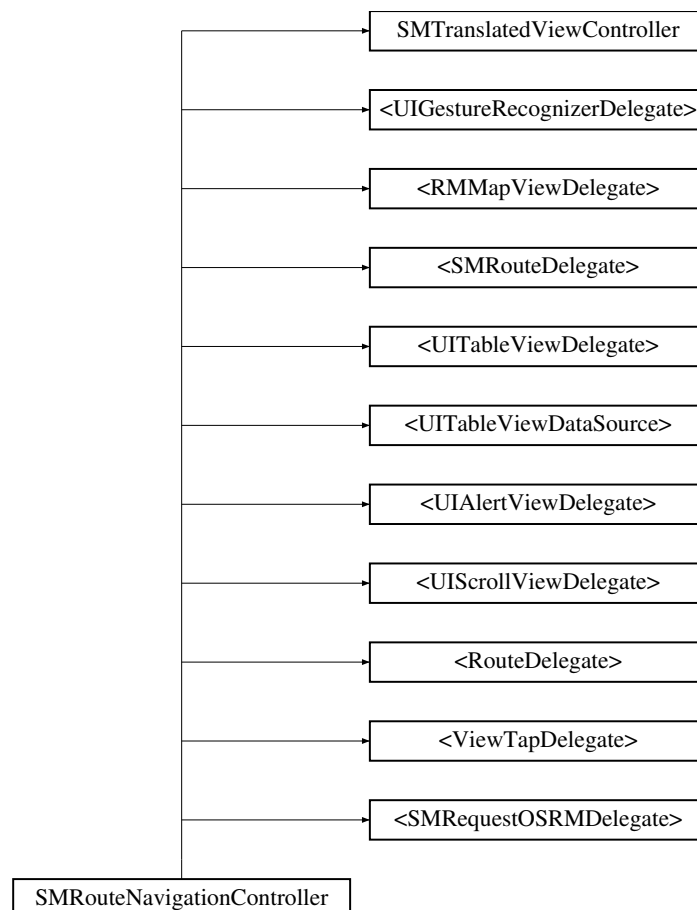
The documentation for this protocol was generated from the following file:

- Libs/routing-engine/SMRoute.h

## 8.99 SMRouteNavigationController Class Reference

```
#import <SMRouteNavigationController.h>
```

Inheritance diagram for SMRouteNavigationController:



## Protected Attributes

- `__weak IBOutlet UITableView * tblDirections`
- `__weak IBOutlet UIView * instructionsView`

- `__weak IBOutlet UIView * minimizedInstructionsView`
- `__weak IBOutlet UIView * progressView`
- `__weak IBOutlet UILabel * labelTimeLeft`
- `__weak IBOutlet UILabel * labelDistanceLeft`
- `__weak IBOutlet UILabel * labelDistanceToNextTurn`
- `__weak IBOutlet UIImageView * imgNextTurnDirection`
- `__weak IBOutlet UIView * finishFadeView`
- `__weak IBOutlet UILabel * finishDistance`
- `__weak IBOutlet UILabel * finishTime`
- `__weak IBOutlet UILabel * finishDestination`
- `__weak IBOutlet UIView * recalculatingView`
- `__weak IBOutlet SMGPSTrackButton * buttonTrackUser`
- `__weak IBOutlet UIScrollView * swipableView`
- `__weak IBOutlet UIView * routeOverview`
- `__weak IBOutlet UILabel * overviewDestinationBottom`
- `__weak IBOutlet UILabel * overviewDestination`
- `__weak IBOutlet UILabel * overviewTimeDistance`
- `__weak IBOutlet UIView * stopView`
- `__weak IBOutlet UIButton * closeButton`
- `__weak IBOutlet UIImageView * arrivalBG`
- `__weak IBOutlet UIImageView * swipeLeftArrow`
- `__weak IBOutlet UIImageView * swipeRightArrow`
- `__weak IBOutlet UIImageView * noConnectionView`
- `__weak IBOutlet UIView * finishView`
- `__weak IBOutlet UILabel * finishStreet`
- `__weak IBOutlet UIView * routeOverviewBottom`
- `__weak IBOutlet FlickableView * centerView`
- `__weak IBOutlet UIView * blockingView`
- `__weak IBOutlet UIView * mapContainer`
- `__weak IBOutlet UIView * statusBarView`

## Properties

- `BOOL currentlyRouting`
- `BOOL updateSwipableView`
- `CLLocation * startLocation`
- `CLLocation * endLocation`
- `NSString * destination`
- `NSString * source`
- `IBOutlet UIView * mapFade`
- `id jsonRoot`

## Additional Inherited Members

### 8.99.1 Detailed Description

Main turn-by-turn navigation screen

The documentation for this class was generated from the following file:

- `Classes/SMRouteNavigationController.h`

## 8.100 SMRouteNavigationController() Category Reference

### Protected Attributes

- DirectionsState **currentDirectionsState**
- CGFloat **lastDirectionsPos**
- CGFloat **touchOffset**
- BOOL **overviewShown**
- RMUserTrackingMode **oldTrackingMode**
- BOOL **shouldShowOverview**
- \_\_weak IBOutlet UIView \* **debugConsole**

### Properties

- IBOutlet UIImageView \* **cargoHandleImageView**
- IBOutlet UITableView \* **cargoTableView**
- NSArray \* **cargoItems**
- [SMRoute](#) \* **route**
- IBOutlet RMMMapView \* **mpView**
- int **directionsShownCount**
- NSMutableSet \* **recycledItems**
- NSMutableSet \* **activeItems**
- NSArray \* **instructionsForScrollview**
- BOOL **pulling**
- NSString \* **osrmServer**

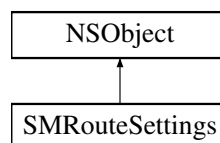
The documentation for this category was generated from the following file:

- Classes/SMRouteNavigationController.m

## 8.101 SMRouteSettings Class Reference

```
#import <SMRouteSettings.h>
```

Inheritance diagram for SMRouteSettings:



### Class Methods

- ([SMRouteSettings](#) \*) + **sharedInstance**

### Properties

- NSString \* **osrm\_address**
- NSString \* **osrm\_server**
- NSString \* **osrm\_server\_cargo**
- NSString \* **osrm\_server\_green**

- NSNumber \* **geocoding\_search\_radius**
- NSString \* **places\_search\_radius**
- NSString \* **foursquare\_search\_radius**
- int **kort\_search\_radius**
- NSString \* **kort\_service**
- NSString \* **places\_language**
- NSString \* **oiorest\_search\_radius**
- NSString \* **oiorest\_autocomplete\_search\_radius**
- NSNumber \* **use\_apple\_geocoder**
- NSString \* **foursquare\_id**
- NSString \* **foursquare\_secret**
- NSString \* **foursquare\_categories**
- NSString \* **foursquare\_limit**
- NSString \* **kort\_username**
- NSString \* **kort\_password**
- NSString \* **kort\_max\_results**
- CGFloat **route\_polyline\_precision**

### 8.101.1 Detailed Description

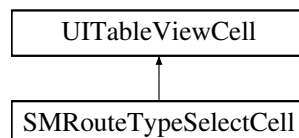
Routing engine settings object

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMRouteSettings.h
- Libs/routing-engine/SMRouteSettings.m

## 8.102 SMRouteTypeSelectCell Class Reference

Inheritance diagram for SMRouteTypeSelectCell:



### Instance Methods

- (void) - **setupCellWithData:**

### Class Methods

- (CGFloat) + **getHeight**

### Protected Attributes

- \_\_weak IBOutlet UIImageView \* **cellImage**
- \_\_weak IBOutlet UILabel \* **cellText**

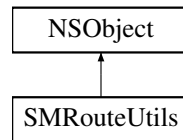
The documentation for this class was generated from the following files:

- Views/SMRouteTypeSelectCell.h
- Views/SMRouteTypeSelectCell.m

## 8.103 SMRouteUtils Class Reference

```
#import <SMRouteUtils.h>
```

Inheritance diagram for SMRouteUtils:



### Class Methods

- (NSString \*) + **routeFilenameFromTimestampForExtension:**
- (NSInteger) + **pointsForName:andAddress:andTerms:**

### Protected Member Functions

- (NSString \*) - **formatDistance**
- (NSString \*) - **formatTime**
- (NSString \*) - **formatTimePassed**
- (float) - **caloriesBurned**
- (NSString \*) - **expectedArrivalTime**
- (NSString \*) - **formatTimeLeft**

### 8.103.1 Detailed Description

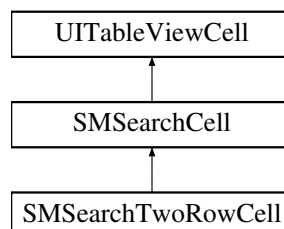
Routing engine utility methods and functions

The documentation for this class was generated from the following files:

- Libs/routing-engine/SMRouteUtils.h
- Libs/routing-engine/SMRouteUtils.m

## 8.104 SMSearchCell Class Reference

Inheritance diagram for SMSearchCell:



### Instance Methods

- (void) - **setImageWithData:**

## Class Methods

- (CGFloat) + **getHeight**

## Properties

- IBOutlet TTTAttributedLabel \* **nameLabel**
- IBOutlet [AsyncImageView](#) \* **iconImage**

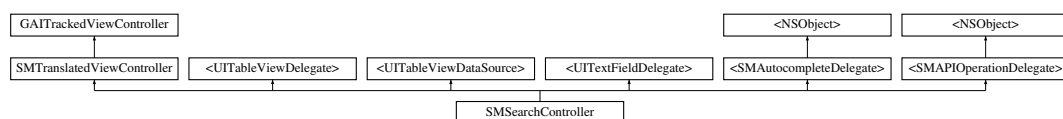
The documentation for this class was generated from the following files:

- Views/SMSearchCell.h
- Views/SMSearchCell.m

## 8.105 SMSearchController Class Reference

```
#import <SMSearchController.h>
```

Inheritance diagram for SMSearchController:



## Protected Attributes

- \_\_weak IBOutlet UITableView \* **tblView**
- \_\_weak IBOutlet UIView \* **tblFade**
- \_\_weak IBOutlet UITextField \* **searchField**

## Properties

- NSString \* **searchText**
- id< [SMSearchDelegate](#) > **delegate**
- BOOL **shouldAllowCurrentPosition**
- NSDictionary \* **locationData**

## Additional Inherited Members

### 8.105.1 Detailed Description

Address search screen

The documentation for this class was generated from the following file:

- Classes/SMSearchController.h



## 8.106 SMSearchController() Category Reference

### Properties

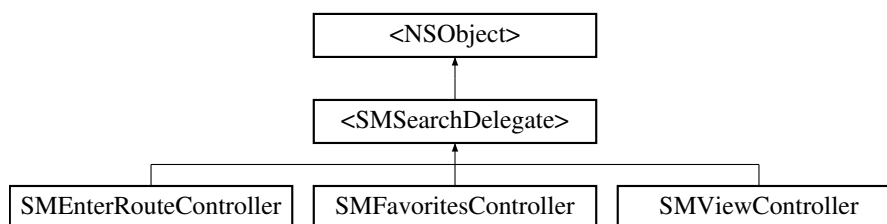
- NSArray \* **searchResults**
- NSMutableArray \* **tempSearch**
- [SMAutocomplete](#) \* **autocomp**
- NSArray \* **favorites**
- NSMutableArray \* **terms**
- NSString \* **srchString**
- [SMAPIQueue](#) \* **queue**

The documentation for this category was generated from the following file:

- Classes/SMSearchController.m

## 8.107 <SMSearchDelegate> Protocol Reference

Inheritance diagram for <SMSearchDelegate>:



### Instance Methods

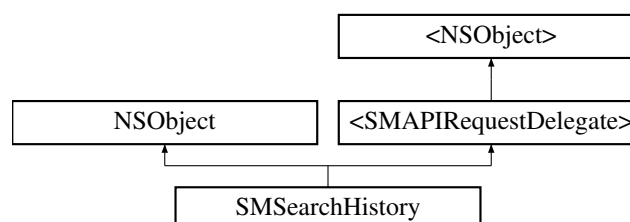
- (void) - **locationFound:**

The documentation for this protocol was generated from the following file:

- Classes/SMSearchController.h

## 8.108 SMSearchHistory Class Reference

Inheritance diagram for SMSearchHistory:



## Instance Methods

- (void) - **fetchSearchHistoryFromServer**
- (void) - **addSearchToServer:**
- (void) - **addFinishedRouteToServer:**

## Class Methods

- ([SMSearchHistory](#) \*) + **instance**
- (NSArray \*) + **getSearchHistory**
- (BOOL) + **saveToSearchHistory:**
- (BOOL) + **saveSearchHistory**

## Properties

- id< [SMSearchHistoryDelegate](#) > **delegate**

The documentation for this class was generated from the following files:

- Classes/SMSearchHistory.h
- Classes/SMSearchHistory.m

## 8.109 [SMSearchHistory\(\)](#) Category Reference

### Properties

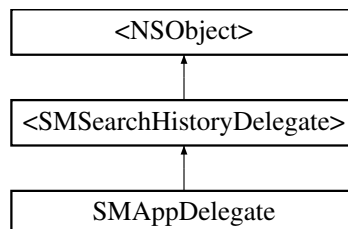
- [SMAPIRequest](#) \* **apr**
- [SMAppDelegate](#) \* **appDelegate**

The documentation for this category was generated from the following file:

- Classes/SMSearchHistory.m

## 8.110 [<SMSearchHistoryDelegate>](#) Protocol Reference

Inheritance diagram for [<SMSearchHistoryDelegate>](#):



## Instance Methods

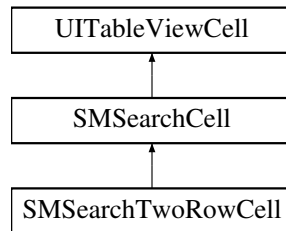
- (void) - **searchHistoryOperationFinishedSuccessfully:withData:**

The documentation for this protocol was generated from the following file:

- Classes/SMSearchHistory.h

## 8.111 SMSearchTwoRowCell Class Reference

Inheritance diagram for SMSearchTwoRowCell:



### Properties

- IBOutlet TTTAttributedLabel \* **addressLabel**

### Additional Inherited Members

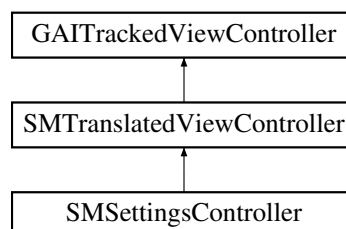
The documentation for this class was generated from the following file:

- Views/SMSearchTwoRowCell.h

## 8.112 SMSettingsController Class Reference

```
#import <SMSettingsController.h>
```

Inheritance diagram for SMSettingsController:



### Additional Inherited Members

#### 8.112.1 Detailed Description

Settings screen

The documentation for this class was generated from the following file:

- Classes/SMSettingsController.h

## 8.113 SMSettingsController() Category Reference

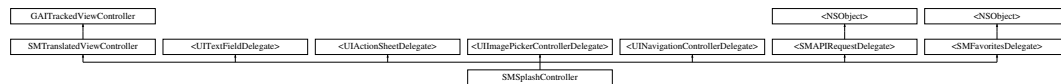
The documentation for this category was generated from the following file:

- Classes/SMSettingsController.m

## 8.114 SMSplashController Class Reference

```
#import <SMSplashController.h>
```

Inheritance diagram for SMSplashController:



### Protected Attributes

- `__weak IBOutlet UIView * registerView`
- `__weak IBOutlet UIView * loginView`
- `__weak IBOutlet UIScrollView * registerScroll`
- `__weak IBOutlet UIView * registerDialog`
- `__weak IBOutlet UITextField * nameField`
- `__weak IBOutlet UITextField * emailField`
- `__weak IBOutlet UITextField * passwordField`
- `__weak IBOutlet UITextField * passwordRepeatField`
- `__weak IBOutlet UITextField * loginEmail`
- `__weak IBOutlet UITextField * loginPassword`
- `__weak IBOutlet UIScrollView * loginScroll`
- `__weak IBOutlet UIView * loginDialog`
- `__weak IBOutlet UIButton * registerImage`
- `__weak IBOutlet UIView * dialogView`

### Additional Inherited Members

#### 8.114.1 Detailed Description

Splash screen controller

Handles (auto)login and register

The documentation for this class was generated from the following file:

- Classes/SMSplashController.h

## 8.115 SMSplashController() Category Reference

### Protected Attributes

- `BOOL loginInProgress`
- `CurrentDialogType currentDialog`

### Properties

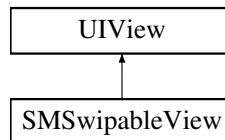
- `SMAPRequest * apr`
- `UIImage * profileImage`
- `SMFavoritesUtil * favfetch`
- `SMAPRequest * locale`

The documentation for this category was generated from the following file:

- Classes/SMSplashController.m

## 8.116 SMSwipableView Class Reference

Inheritance diagram for SMSwipableView:



### Instance Methods

- (void) - **renderViewFromInstruction:**

### Class Methods

- ([SMSwipableView](#) \*) + **getFromNib**
- (CGFloat) + **getHeight**

### Properties

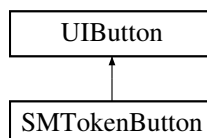
- IBOutlet UILabel \* **IbIDescription**
- IBOutlet UIImageView \* **imgDirection**
- IBOutlet UILabel \* **IbIDistance**
- IBOutlet UILabel \* **IbIWayname**
- NSInteger **position**

The documentation for this class was generated from the following files:

- Views/SMSwipableView.h
- Views/SMSwipableView.m

## 8.117 SMTokenButton Class Reference

Inheritance diagram for SMTokenButton:



## Properties

- BOOL **shouldBeDeleted**
- NSInteger **buttonIndex**
- NSString \* **token**

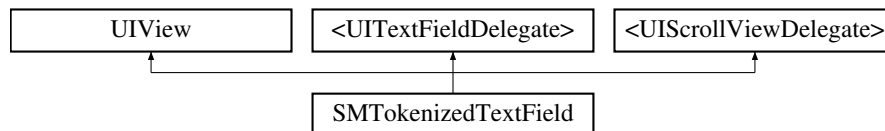
The documentation for this class was generated from the following file:

- Classes/SMTokenizedTextField.h

## 8.118 SMTokenizedTextField Class Reference

```
#import <SMTokenizedTextField.h>
```

Inheritance diagram for SMTokenizedTextField:



## Instance Methods

- (void) - **setTextColor:**
- (BOOL) - **addToken:**
- (void) - **setToken:**
- (void) - **deleteTokens**

## Properties

- id< UITextFieldDelegate > **delegate**
- NSString \* **text**
- BOOL **shouldHideTextField**
- UIReturnKeyType **returnKeyType**
- NSMutableArray \* **tokens**

### 8.118.1 Detailed Description

Tokenized text field

### 8.118.2 Method Documentation

#### 8.118.2.1 - (BOOL) addToken: (NSString\*) tokenText

add token to the list

#### 8.118.2.2 - (void) deleteTokens

remove all tokens

8.118.2.3 - (void) setToken: (NSString\*) *text*

replace all tokens with a given token

### 8.118.3 Property Documentation

8.118.3.1 - (id<UITextFieldDelegate>) delegate [read], [write], [nonatomic], [weak]

textfield stuff

8.118.3.2 - (NSMutableArray\*) tokens [read], [write], [nonatomic], [strong]

tokens list

The documentation for this class was generated from the following files:

- Classes/SMTokenizedTextField.h
- Classes/SMTokenizedTextField.m

## 8.119 SMTokenizedTextField() Category Reference

### Properties

- UITextField \* **txtField**
- UIScrollView \* **scrIView**

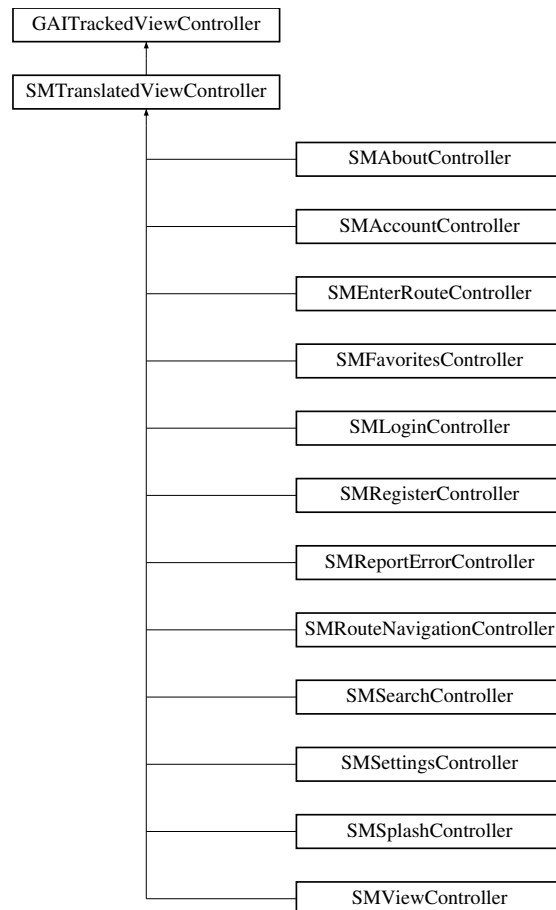
The documentation for this category was generated from the following file:

- Classes/SMTokenizedTextField.m

## 8.120 SMTranslatedViewController Class Reference

```
#import <SMTranslatedViewController.h>
```

Inheritance diagram for SMTranslatedViewController:



### Instance Methods

- (void) - **moveView**

### Properties

- [SMAppDelegate](#) \* **appDelegate**

#### 8.120.1 Detailed Description

Base class for all the views

Handles translation

The documentation for this class was generated from the following files:

- Classes/SMTranslatedViewController.h
- Classes/SMTranslatedViewController.m

#### 8.121 SMTranslatedViewController() Category Reference

The documentation for this category was generated from the following file:

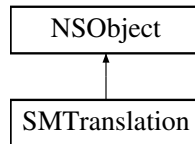
- Classes/SMTranslatedViewController.m



## 8.122 SMTranslation Class Reference

```
#import <SMTranslation.h>
```

Inheritance diagram for SMTranslation:



### Class Methods

- (SMTranslation \*) + [instance](#)
- (NSString \*) + **decodeString:**
- (void) + [translateView:](#)

#### 8.122.1 Detailed Description

On-the-fly translation of strings

#### 8.122.2 Method Documentation

##### 8.122.2.1 + (SMTranslation \*) instance

init default settings

##### 8.122.2.2 + (void) translateView: (id) view

recursively translates given view

The documentation for this class was generated from the following files:

- Libs/routing-engine/global-utils/SMTranslation.h
- Libs/routing-engine/global-utils/SMTranslation.m

## 8.123 SMTranslation() Category Reference

### Properties

- NSMutableDictionary \* **dictionary**

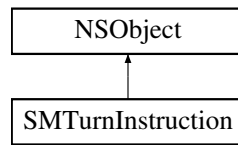
The documentation for this category was generated from the following file:

- Libs/routing-engine/global-utils/SMTranslation.m

## 8.124 SMTurnInstruction Class Reference

```
#import <SMTurnInstruction.h>
```

Inheritance diagram for SMTurnInstruction:



## Instance Methods

- (CLLocation \*) - **getLocation**
- (UIImage \*) - **smallDirectionIcon**
- (UIImage \*) - **largeDirectionIcon**
- (void) - **generateDescriptionString**
- (void) - **generateStartDescriptionString**
- (void) - **generateFullDescriptionString**
- (void) - **generateShortDescriptionString**

## Properties

- TurnDirection **drivingDirection**
- NSString \* **ordinalDirection**
- NSString \* **wayName**
- int **lengthInMeters**
- int **timeInSeconds**
- NSString \* **lengthWithUnit**
- NSString \* **smallImageName**
- NSString \* **fixedLengthWithUnit**
- NSString \* **directionAbrevation**
- float **azimuth**
- NSInteger **vehicle**
- int **waypointsIndex**
- CLLocation \* **loc**
- NSString \* **shortDescriptionString**
- NSString \* **descriptionString**
- NSString \* **fullDescriptionString**

### 8.124.1 Detailed Description

Turn instruction object

### 8.124.2 Property Documentation

8.124.2.1 - (NSString\*) **fixedLengthWithUnit** [read],[write],[nonatomic],[strong]

Length to next turn in units (km or m) This value will not auto update

8.124.2.2 - (NSInteger) vehicle [read],[write],[atomic]

Indicate type of transport

1 - bike 2 - walking 3 - ferry 4 - train

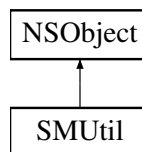
The documentation for this class was generated from the following files:

- Libs/routing-engine/SMTurnInstruction.h
- Libs/routing-engine/SMTurnInstruction.m

## 8.125 SMUtil Class Reference

```
#import <SMUtil.h>
```

Inheritance diagram for SMUtil:



### Class Methods

- (BOOL) + [isEmailValid:](#)
- (eRegistrationValidationResult) + [validateRegistrationName:Email:Password:AndRepeatedPassword:](#)

### 8.125.1 Detailed Description

Various utils

### 8.125.2 Method Documentation

8.125.2.1 + (BOOL) isEmailValid: (NSString\*) email

creates filename from current timestamp check if email is valid

8.125.2.2 + (eRegistrationValidationResult) validateRegistrationName: (NSString\*) name Email:(NSString\*) email  
Password:(NSString\*) pass AndRepeatedPassword:(NSString\*) repPass

registration validation

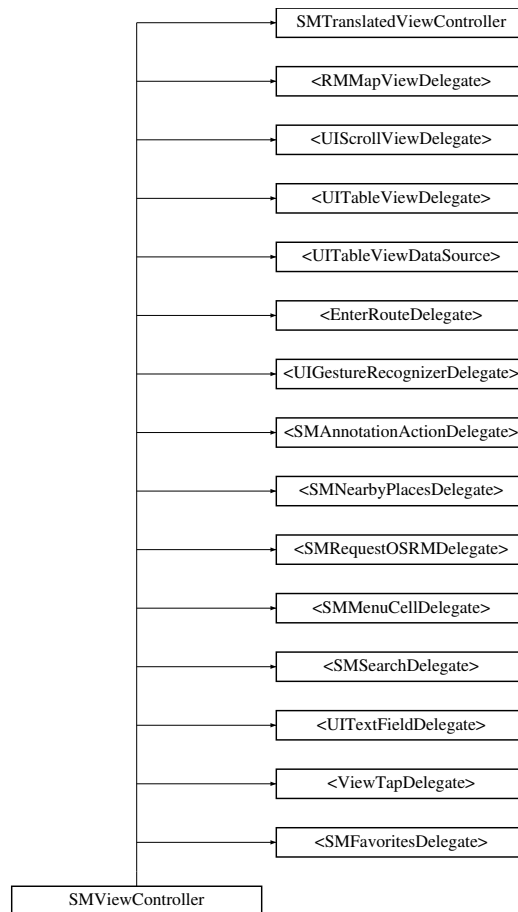
The documentation for this class was generated from the following files:

- Classes/SMUtil.h
- Classes/SMUtil.m

## 8.126 SMViewController Class Reference

```
#import <SMViewController.h>
```

Inheritance diagram for SMViewController:



## Protected Attributes

- IBOutlet UIView \* **menuView**
- \_\_weak IBOutlet [FlickableView](#) \* **centerView**
- \_\_weak IBOutlet UIView \* **dropPinView**
- CurrentScreenType **currentScreen**
- \_\_weak IBOutlet UITableView \* **tblMenu**
- \_\_weak IBOutlet UIView \* **fadeView**
- \_\_weak IBOutlet [SMGPSTrackButton](#) \* **buttonTrackUser**
- \_\_weak IBOutlet UIView \* **favHeader**
- \_\_weak IBOutlet UIView \* **accHeader**
- \_\_weak IBOutlet UIView \* **infHeader**
- \_\_weak IBOutlet UIButton \* **favEditStart**
- \_\_weak IBOutlet UIButton \* **favEditDone**
- \_\_weak IBOutlet UIButton \* **addFavFavoriteButton**
- \_\_weak IBOutlet UIButton \* **addFavHomeButton**
- \_\_weak IBOutlet UIButton \* **addFavWorkButton**
- \_\_weak IBOutlet UIButton \* **addFavSchoolButton**
- \_\_weak IBOutlet UITextField \* **addFavAddress**
- \_\_weak IBOutlet UITextField \* **addFavName**
- \_\_weak IBOutlet UIView \* **mainMenu**
- \_\_weak IBOutlet UIView \* **addMenu**
- \_\_weak IBOutlet UILabel \* **editTitle**
- \_\_weak IBOutlet UIButton \* **editSaveButton**
- \_\_weak IBOutlet UIButton \* **editDeleteButton**

- `__weak IBOutlet UIButton *` **addSaveButton**
- `__weak IBOutlet UIView *` **blockingView**
- `__weak IBOutlet UIButton *` **findRouteBig**
- `__weak IBOutlet UIButton *` **findRouteSmall**
- `BOOL` **animationShown**
- `__weak IBOutlet UILabel *` **account\_label**
- `__weak IBOutlet UILabel *` **routeStreet**
- `__weak IBOutlet UIView *` **menuBtn**
- `__weak IBOutlet UIButton *` **pinButton**
- `__weak IBOutlet UIView *` **statusbarView**

## Properties

- `IBOutlet SMAddFavoriteCell *` **tableFooter**

## Additional Inherited Members

### 8.126.1 Detailed Description

Main app view

### 8.126.2 Property Documentation

8.126.2.1 `-(IBOutlet SMAddFavoriteCell*) tableFooter` `[read], [write], [nonatomic], [strong]`

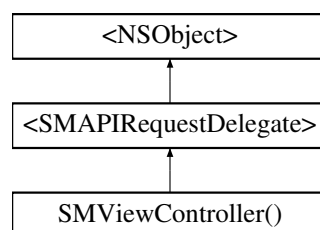
properties for table

The documentation for this class was generated from the following file:

- `SMViewController.h`

## 8.127 SMViewController() Category Reference

Inheritance diagram for SMViewController():



## Protected Attributes

- `MenuType` **menuOpen**
- `FavoriteType` **currentFav**
- `BOOL` **pinWorking**

## Properties

- [SMContacts](#) \* **contacts**
- RMMMapView \* **mpView**
- NSMutableArray \* [favoritesList](#)
- NSMutableArray \* **favorites**
- NSString \* **destination**
- NSString \* **source**
- NSString \* **findFrom**
- NSString \* **findTo**
- NSArray \* **findMatches**
- [SMAnnotation](#) \* **destinationPin**
- id **jsonRoot**
- CLLocationCoordinate2D **startLoc**
- CLLocationCoordinate2D **endLoc**
- NSString \* **startName**
- NSString \* **endName**
- NSDictionary \* **locDict**
- NSInteger **locIndex**
- NSString \* **favName**
- [SMFavoritesUtil](#) \* **fav**s
- [SMAPIRequest](#) \* **request**

## Additional Inherited Members

### 8.127.1 Property Documentation

8.127.1.1 - (NSMutableArray\*) **favoritesList** [read],[write],[nonatomic],[strong]

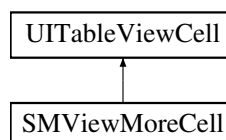
data sources for tables

The documentation for this category was generated from the following file:

- SMViewController.m

## 8.128 SMViewMoreCell Class Reference

Inheritance diagram for SMViewMoreCell:



## Properties

- IBOutlet UILabel \* **buttonLabel**

The documentation for this class was generated from the following file:

- Views/SMViewMoreCell.h

## 8.129 UIView(SMViewForTranslation) Category Reference

### Instance Methods

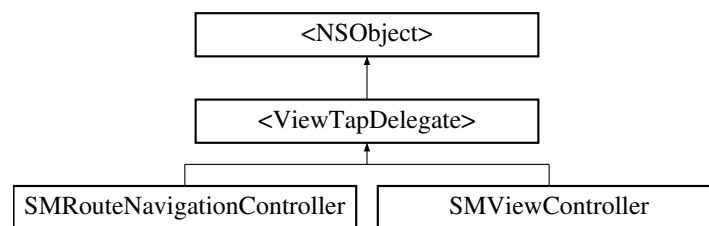
- (void) - **viewTranslated**

The documentation for this category was generated from the following file:

- Libs/routing-engine/global-utils/SMTranslation.m

## 8.130 <ViewTapDelegate> Protocol Reference

Inheritance diagram for <ViewTapDelegate>:



### Instance Methods

- (void) - **viewTapped:**

The documentation for this protocol was generated from the following file:

- Classes/SMUtil.h