Pack-Manager

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Chapter 1

Pack Manager

Packing is hard. Weather reports are accurate only up to a couple of days before you depart, meaning that travel plans made weeks in advance can be spoiled by a surprise storm. People need a travel planner that keeps up to date with the places that they're going, that automatically informs them if things change, and advises them on what to bring.

Pack Manager gives you a wardrobe list based on the weather of where you're going. It takes your (1) location, (2) time of travel, (3) personal dressing preferences, and gives you a set of clothes for you to wear and necessities that you can't forget. The goal is to make packing for an outing simple and fast. The application will have a very clean user interface; since its function is simple, its use must be equally simple. The application must be extensible, which means that adding new features must be a well-defined process that is easy.

Building and Running

Pack Manager is made using Objective-C in XCode. To run simply:

#. Acquire XCode. #.

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

NewTripViewController() . . . 12
<NSCoding>
  Destination . . . 8
  PackingList . . . 14
  Trip . . . 22
  TripsData . . . 24
NSObject
  Destination . . . 8
  Packable . . . 12
  PackingList . . . 14
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  TripsData . . . 24
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PackingList() . . . 16
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ProfileViewController() . . . 21
TripsData() . . . 25
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TripsViewController() . . . 28
<UIApplicationDelegate>
  AppDelegate . . . 7
UIResponder
  AppDelegate . . . 7
UITableViewCell
  LayeredRightDetailCell . . . 10
UITableViewController
  PackingListViewController . . . 17
  ProfileViewController . . . 20
  TripSettingsViewController . . . 26
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UIViewController
  NewTripViewController . . . 11
WeatherReport() . . . 32
WeatherReportViewController() . . . 34

XCTestCase
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Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

AppDelegate . . . 7
Destination . . . 8
LayeredRightDetailCell . . . 10
NewTripViewController . . . 11
NewTripViewController() . . . 12
Packable . . . 12
PackingList . . . 14
PackingList() . . . 16
PackingListItemCell . . . 17
PackingListViewController . . . 17
PackingListViewController() . . . 19
PackManagerTests . . . 19
ProfileViewController . . . 20
ProfileViewController() . . . 21
Trip . . . 22
TripsData . . . 24
TripsData() . . . 25
TripSettingsViewController . . . 26
TripSettingsViewController() . . . 27
TripsViewController . . . 27
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WeatherReport . . . 31
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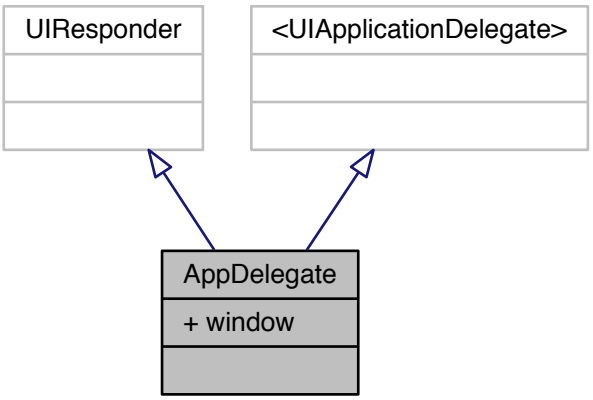
Chapter 4

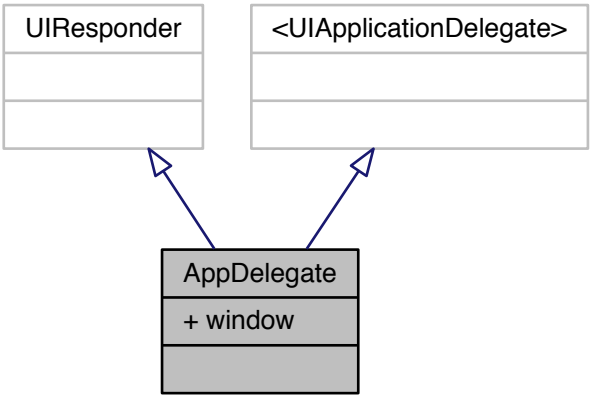
Class Documentation

4.1 AppDelegate Class Reference

Inheritance diagram for AppDelegate:



Collaboration diagram for AppDelegate:



Properties

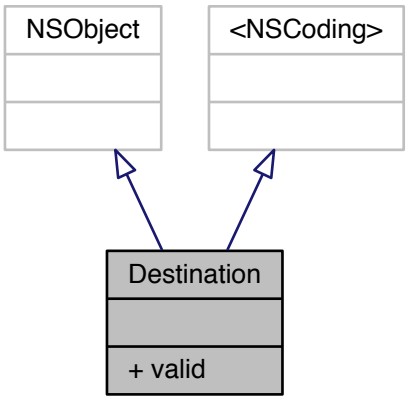
- UIWindow * **window**

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

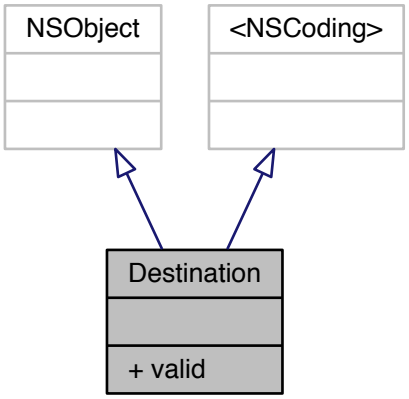
- PackManager/AppDelegate.h

4.2 Destination Class Reference

Inheritance diagram for Destination:



Collaboration diagram for Destination:



Instance Methods

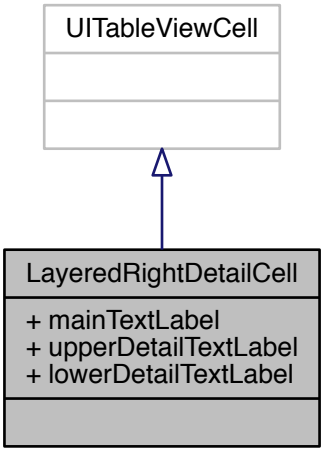
- (BOOL) - **valid**

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

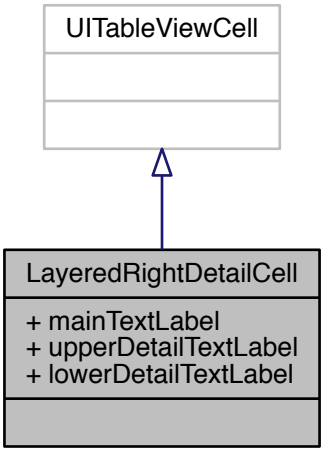
- PackManager/Destination.h
- PackManager/Destination.m

4.3 LayeredRightDetailCell Class Reference

Inheritance diagram for LayeredRightDetailCell:



Collaboration diagram for LayeredRightDetailCell:



Properties

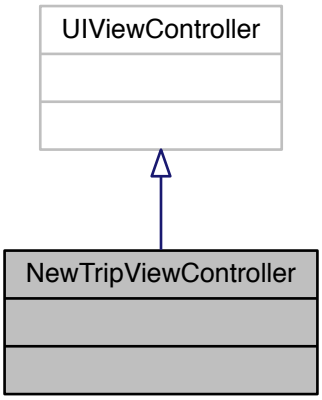
- IBOutlet UILabel * **mainTextLabel**
- IBOutlet UILabel * **upperDetailTextLabel**
- IBOutlet UILabel * **lowerDetailTextLabel**

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

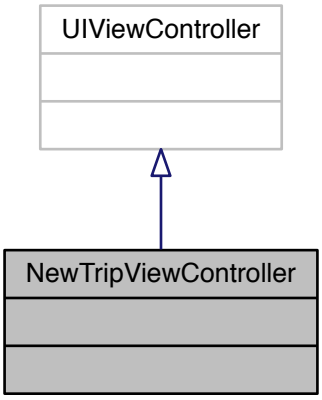
- LayeredRightDetailCell.h

4.4 NewTripViewController Class Reference

Inheritance diagram for NewTripViewController:



Collaboration diagram for NewTripViewController:

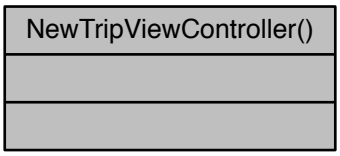


The documentation for this class was generated from the following file:

- PackManager/NewTripViewController.h

4.5 NewTripViewController() Category Reference

Collaboration diagram for NewTripViewController():

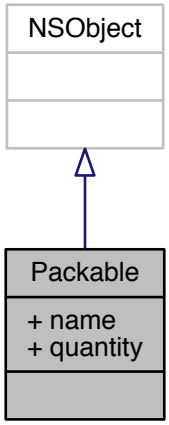


The documentation for this category was generated from the following file:

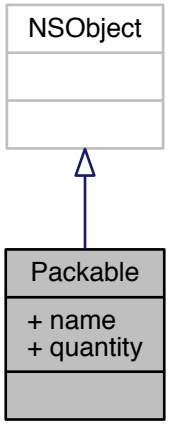
- PackManager/NewTripViewController.m

4.6 Packable Class Reference

Inheritance diagram for Packable:



Collaboration diagram for Packable:



Properties

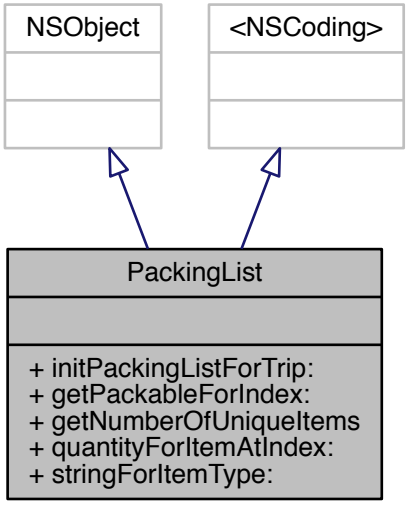
- NSString ∗ **name**
- NSInteger **quantity**

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

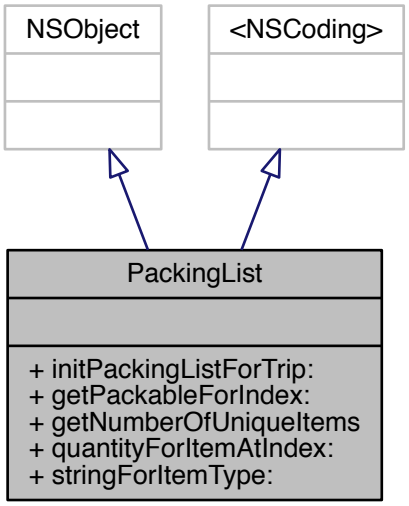
- PackManager/Packable.h

4.7 PackingList Class Reference

Inheritance diagram for PackingList:



Collaboration diagram for PackingList:



Instance Methods

- (instancetype) - **initPackingListForTrip:**
- (Packable ∗) - **getPackableForIndex:**
- (NSInteger) - **getNumberOfUniqueItems**
- (NSInteger) - **quantityForItemAtIndex:**

Class Methods

- (NSString ∗) + **stringForItemType:**

Protected Types

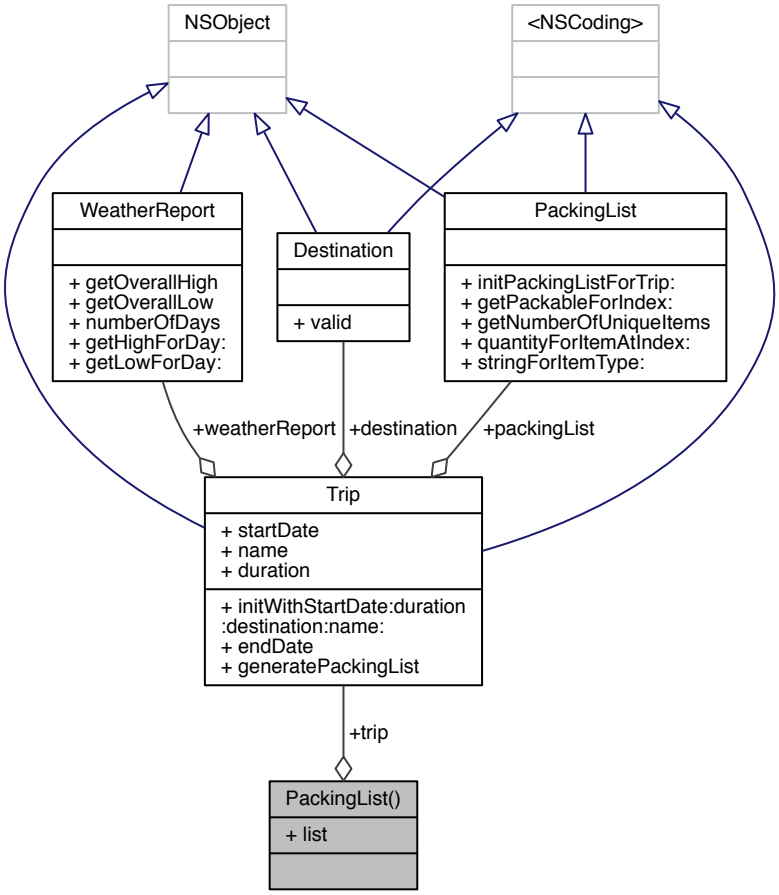
- enum **PackingItems** {
  SHORT_SLEEVE_SHIRT = 0, **LONG_SLEEVE_SHIRT**, **FORMAL_SHIRT**, **SHORT_PANT**,
  LONG_PANT, **UNDERWEAR**, **SOCKS**, **SHOES**,
  SANDALS, **SWIMSUIT**, **SUIT**, **DRESS**,
  TIE, **UMBERELLA**, **SUNSCREEN** }
- typedef enum
  PackingList::PackingItems **PackingItems**

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

- PackManager/PackingList.h
- PackManager/PackingList.m

4.8 PackingList() Category Reference

Collaboration diagram for PackingList():



Properties

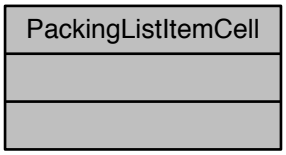
- NSMutableArray ∗ **list**
- Trip ∗ **trip**

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

- PackManager/PackingList.m

4.9 PackingListItemCell Class Reference

Collaboration diagram for PackingListItemCell:

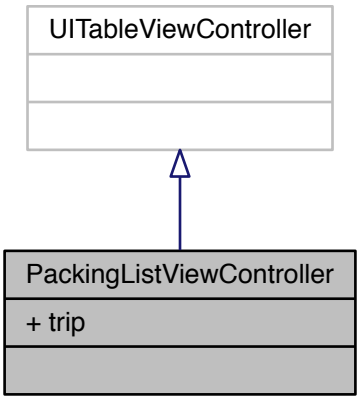


The documentation for this class was generated from the following file:

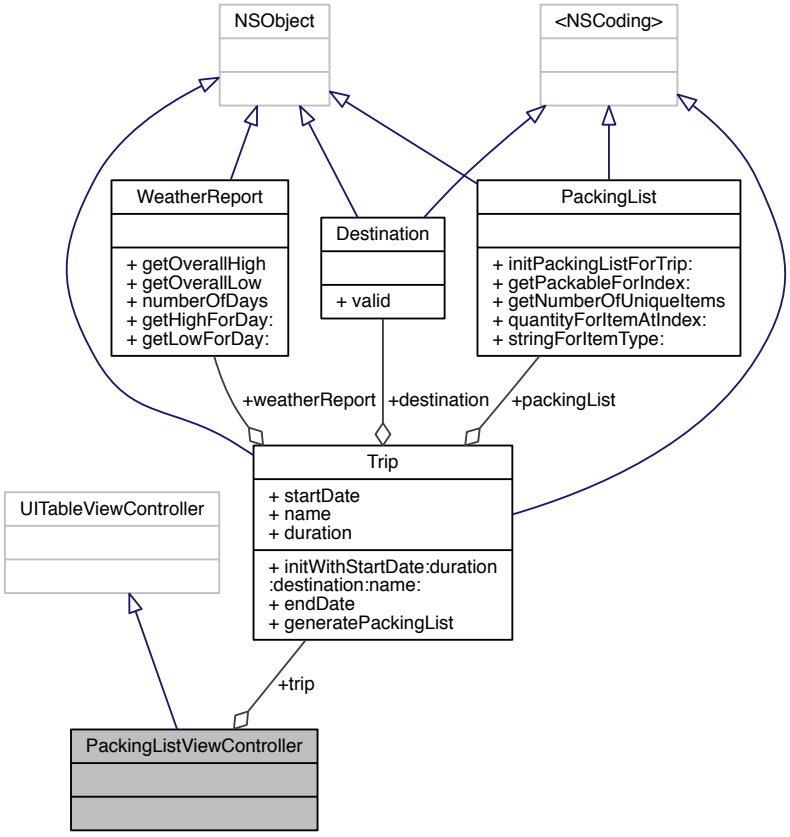
- PackManager/PackingListItemCell.m

4.10 PackingListViewController Class Reference

Inheritance diagram for PackingListViewController:



Collaboration diagram for PackingListViewController:



Properties

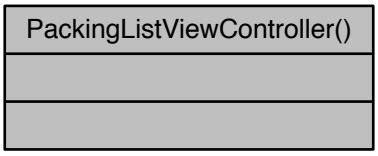
- Trip * **trip**

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

- PackManager/PackingListViewController.h

4.11 PackingListViewController() Category Reference

Collaboration diagram for PackingListViewController():

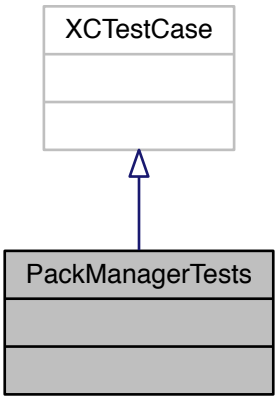


The documentation for this category was generated from the following file:

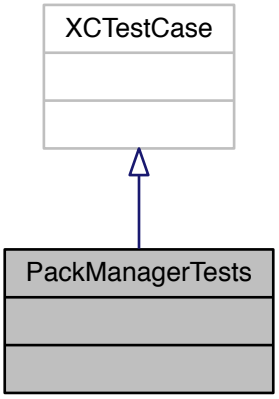
- PackManager/PackingListViewController.m

4.12 PackManagerTests Class Reference

Inheritance diagram for PackManagerTests:



Collaboration diagram for PackManagerTests:

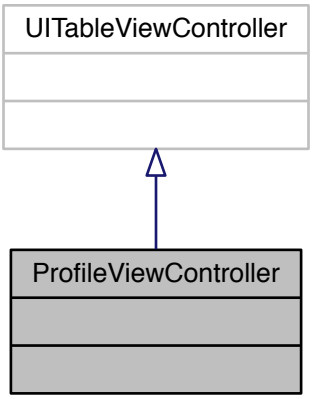


The documentation for this class was generated from the following file:

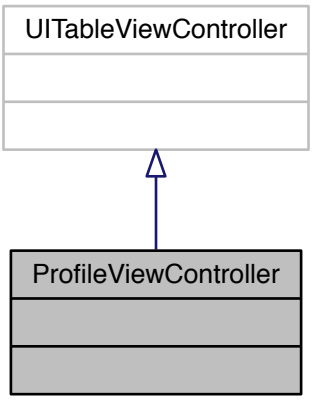
- PackManagerTests/PackManagerTests.m

4.13 ProfileViewController Class Reference

Inheritance diagram for ProfileViewController:



Collaboration diagram for ProfileViewController:

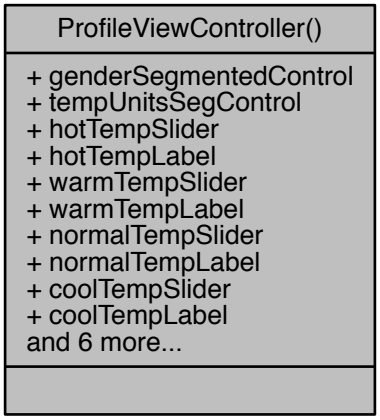


The documentation for this class was generated from the following file:

- PackManager/ProfileViewController.h

4.14 ProfileViewController() Category Reference

Collaboration diagram for ProfileViewController():



Properties

- IBOutlet UISegmentedControl * **genderSegmentedControl**

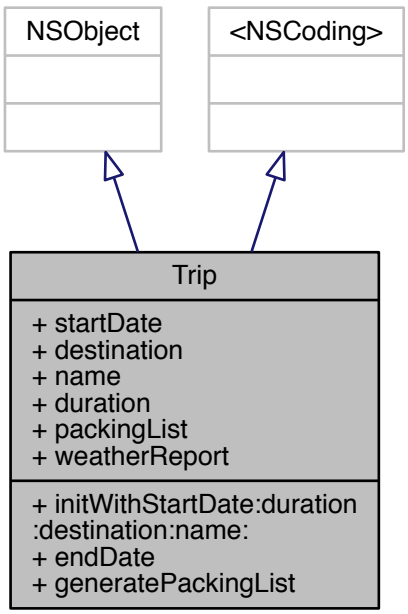
- IBOutlet UISegmentedControl * **tempUnitsSegControl**
- IBOutlet UISlider * **hotTempSlider**
- IBOutlet UILabel * **hotTempLabel**
- IBOutlet UISlider * **warmTempSlider**
- IBOutlet UILabel * **warmTempLabel**
- IBOutlet UISlider * **normalTempSlider**
- IBOutlet UILabel * **normalTempLabel**
- IBOutlet UISlider * **coolTempSlider**
- IBOutlet UILabel * **coolTempLabel**
- IBOutlet UISlider * **coldTempSlider**
- IBOutlet UILabel * **coldTempLabel**
- IBOutlet UISwitch * **swimmingPreferenceSwitch**
- IBOutlet UISwitch * **rewearJeansPreferenceSwitch**
- IBOutlet UISwitch * **formalPreferenceSwitch**
- IBOutlet UISwitch * **accessToLaundryPreferenceSwitch**

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

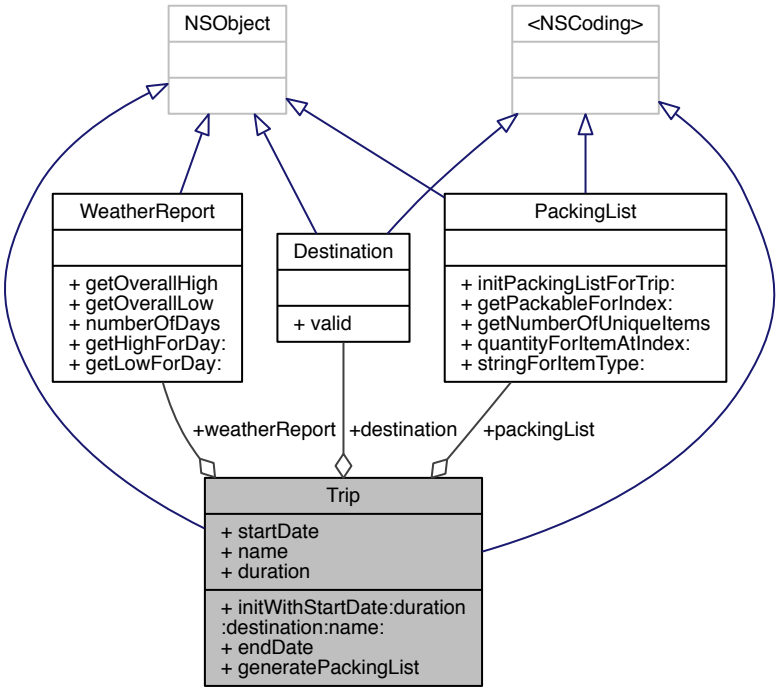
- PackManager/ProfileViewController.m

4.15 Trip Class Reference

Inheritance diagram for Trip:



Collaboration diagram for Trip:



Instance Methods

- (instancetype) - **initWithStartDate:duration:destination:name:**
- (NSDate ∗) - **endDate**
- (BOOL) - **generatePackingList**

Properties

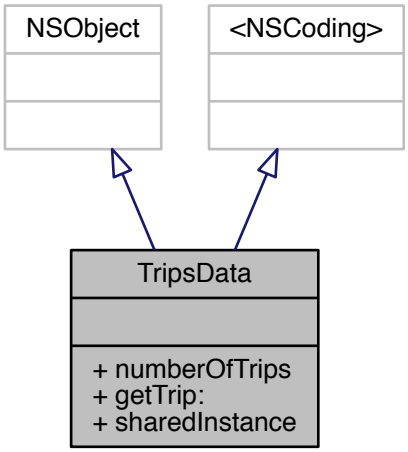
- NSDate ∗ **startDate**
- Destination ∗ **destination**
- NSString ∗ **name**
- NSInteger **duration**
- PackingList ∗ **packingList**
- WeatherReport ∗ **weatherReport**

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

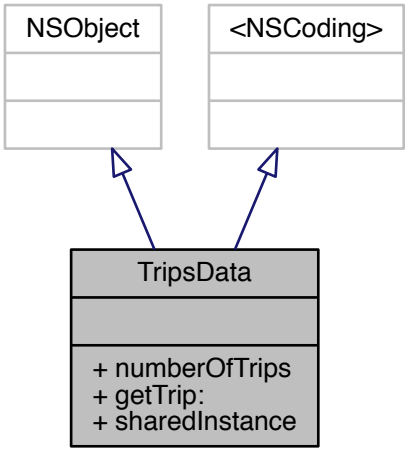
- PackManager/Trip.h
- PackManager/Trip.m

4.16 TripsData Class Reference

Inheritance diagram for TripsData:



Collaboration diagram for TripsData:



Instance Methods

- (NSInteger) - **numberOfTrips**
- (Trip ∗) - **getTrip:**

Class Methods

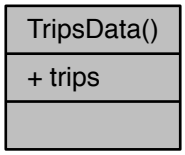
- (instancetype) + **sharedInstance**

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

- PackManager/TripsData.h
- PackManager/TripsData.m

4.17 TripsData() Category Reference

Collaboration diagram for TripsData():



Properties

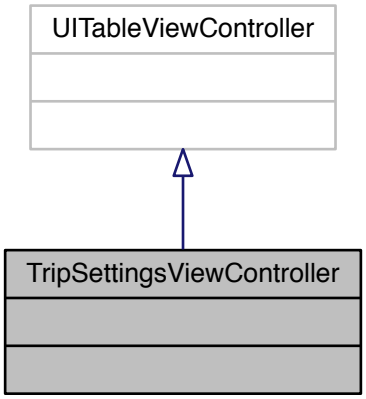
- NSMutableArray ∗ **trips**

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

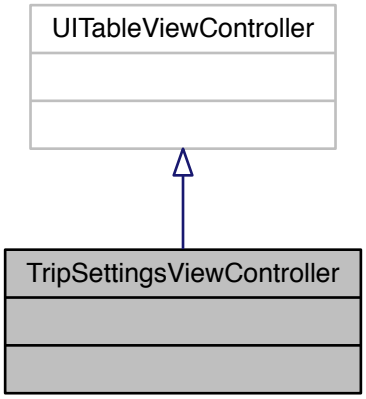
- PackManager/TripsData.m

4.18 TripSettingsViewController Class Reference

Inheritance diagram for TripSettingsViewController:



Collaboration diagram for TripSettingsViewController:

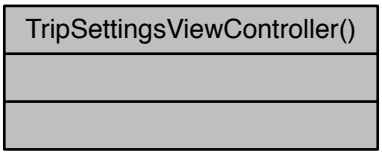


The documentation for this class was generated from the following file:

- PackManager/TripSettingsViewController.h

4.19 TripSettingsViewController() Category Reference

Collaboration diagram for TripSettingsViewController():

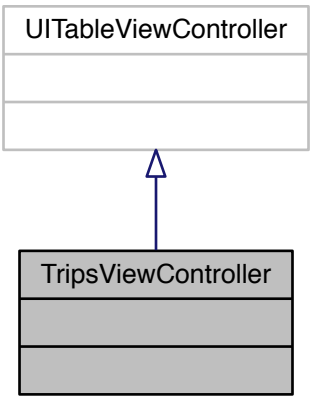


The documentation for this category was generated from the following file:

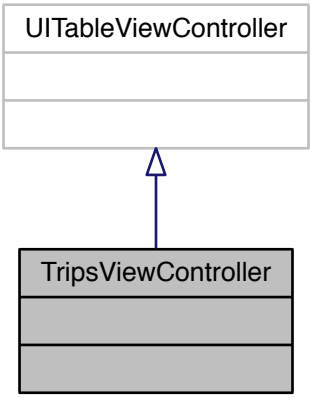
- PackManager/TripSettingsViewController.m

4.20 TripsViewController Class Reference

Inheritance diagram for TripsViewController:



Collaboration diagram for TripsViewController:

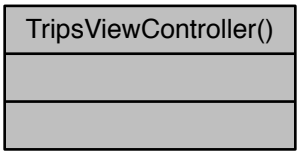


The documentation for this class was generated from the following file:

- PackManager/TripsViewController.h

4.21 TripsViewController() Category Reference

Collaboration diagram for TripsViewController():

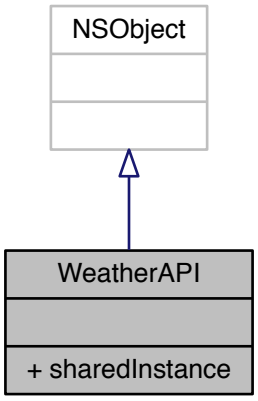


The documentation for this category was generated from the following file:

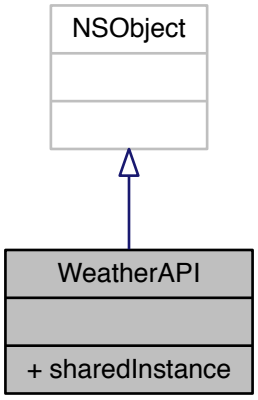
- PackManager/TripsViewController.m

4.22 WeatherAPI Class Reference

Inheritance diagram for WeatherAPI:



Collaboration diagram for WeatherAPI:



Class Methods

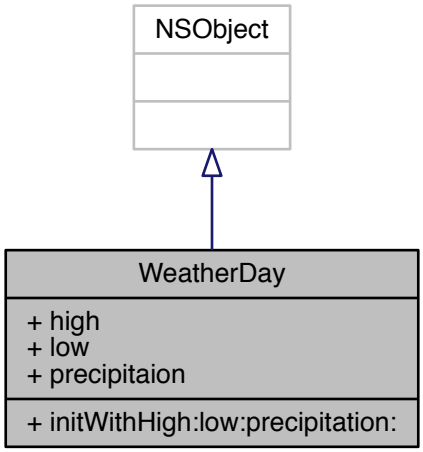
- (instancetype) + **sharedInstance**

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

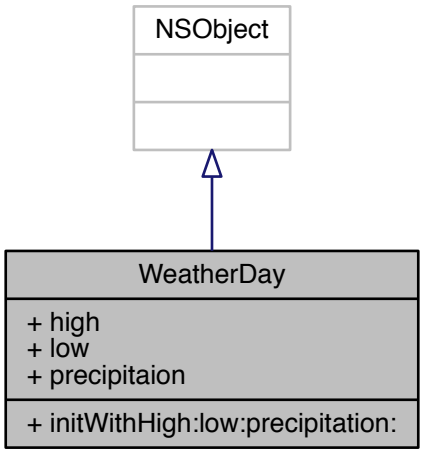
- PackManager/WeatherAPI.h
- PackManager/WeatherAPI.m

4.23 WeatherDay Class Reference

Inheritance diagram for WeatherDay:



Collaboration diagram for WeatherDay:



Instance Methods

- (instancetype) - **initWithHigh:low:precipitation:**

Properties

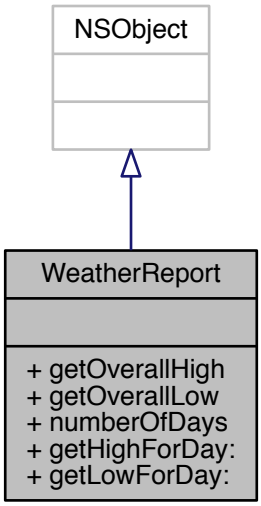
- NSInteger **high**
- NSInteger **low**
- CGFloat **precipitaion**

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

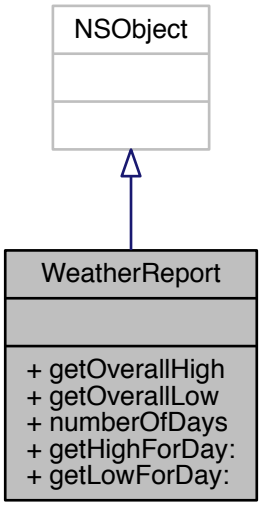
- PackManager/WeatherDay.h
- PackManager/WeatherDay.m

4.24 WeatherReport Class Reference

Inheritance diagram for WeatherReport:



Collaboration diagram for WeatherReport:



Instance Methods

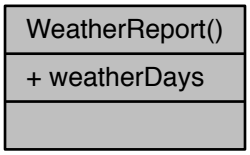
- (NSInteger) - **getOverallHigh**
- (NSInteger) - **getOverallLow**
- (NSInteger) - **numberOfDays**
- (NSInteger) - **getHighForDay:**
- (NSInteger) - **getLowForDay:**

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

- PackManager/WeatherReport.h
- PackManager/WeatherReport.m

4.25 WeatherReport() Category Reference

Collaboration diagram for WeatherReport():



Properties

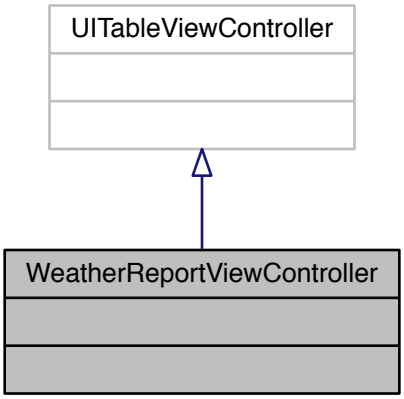
- NSMutableArray ∗ **weatherDays**

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

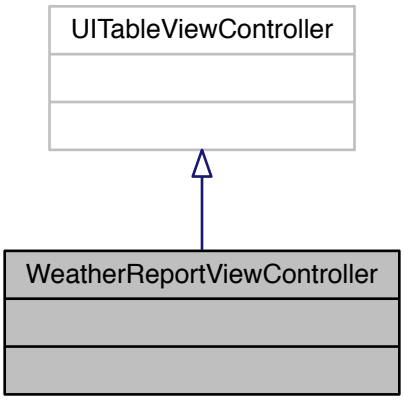
- PackManager/WeatherReport.m

4.26 WeatherReportViewController Class Reference

Inheritance diagram for WeatherReportViewController:



Collaboration diagram for WeatherReportViewController:

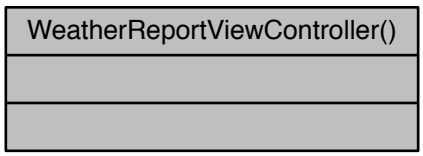


The documentation for this class was generated from the following file:

- PackManager/WeatherReportViewController.h

4.27 WeatherReportViewController() Category Reference

Collaboration diagram for WeatherReportViewController():



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

- PackManager/WeatherReportViewController.m

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