

iMate: iOS Application

Document Version 1.0.1

Date: 27th May, 2014

Contents

AppDelegate Class Reference	4
Tasks	4
Properties	4
Instance Methods	4
ChatMenuViewController Class Reference	6
Tasks	6
Properties	6
Instance Methods	7
ChatViewController Class Reference	9
Tasks	9
Instance Methods	10
HomeController Class Reference	13
Tasks	13
Instance Methods	13
LocationsViewController Class Reference	15
Tasks	15
Instance Methods	15
LoginViewController Class Reference	17
Tasks	17
Instance Methods	17
MainMenuViewController Class Reference	18
Tasks	18
Properties	18
Instance Methods	19
MatchViewController Class Reference	21
Tasks	21
Instance Methods	21
ParentViewController Class Reference	22
Overview	22
Tasks	22
Instance Methods	22

ProfileViewController Class Reference	23
Tasks	23
Instance Methods	23
SettingsViewController Class Reference.....	25
Tasks	25
Instance Methods	25

AppDelegate Class Reference

Inherits from	UIResponder
Conforms to	UIApplicationDelegate
Declared in	AppDelegate.h AppDelegate.m

Tasks

Other Methods

[window](#) [property](#)

Other Methods

- `application:didFinishLaunchingWithOptions:`
- `applicationWillResignActive:`
- `applicationDidEnterBackground:`
- `applicationWillEnterForeground:`
- `applicationDidBecomeActive:`
- `applicationWillTerminate:`

Properties

window

```
@property (strong, nonatomic) UIWindow *window
```

Instance Methods

`application:didFinishLaunchingWithOptions:`

```
- (BOOL)application:(UIApplication *)application
didFinishLaunchingWithOptions:(NSDictionary
*)launchOptions
```

applicationDidBecomeActive:

```
- (void)applicationDidBecomeActive:(UIApplication
*)application
```

applicationDidEnterBackground:

```
- (void)applicationDidEnterBackground:(UIApplication
*)application
```

applicationWillEnterForeground:

```
- (void)applicationWillEnterForeground:(UIApplication
*)application
```

applicationWillResignActive:

Set theme color to the one stored in NSUserDefaults.

```
- (void)applicationWillResignActive:(UIApplication
*)application
```

Declared In

AppDelegate.m

applicationWillTerminate:

```
- (void)applicationWillTerminate:(UIApplication
*)application
```

ChatMenuViewController Class Reference

Inherits from	UIViewController
Declared in	ChatMenuViewController.h ChatMenuViewController.m

Tasks

Other Methods

- `unwindToChatMenuViewController:`

Other Methods

- `initWithNibName:bundle:`
- `viewDidLoad`
- `didReceiveMemoryWarning`
- `numberOfSectionsInTableView:`
- `tableView:numberOfRowsInSection:`
- `tableView:heightForRowAtIndexPath:`
- `tableView:viewForFooterInSection:`
- `tableView:cellForRowAtIndexPath:`
- `tableView:didSelectRowAtIndexPath:`
- `viewWillLayoutSubviews`

Extension Methods

- `cellMain` property

Properties

`cellMain`

```
@property (nonatomic, weak) IBOutlet UITableViewCell  
*cellMain
```

Instance Methods

didReceiveMemoryWarning

```
- (void) didReceiveMemoryWarning
```

initWithNibName:bundle:

```
- (id) initWithNibName:(NSString *)nibNameOrNil  
bundle:(NSBundle *)nibBundleOrNil
```

numberOfSectionsInTableView:

```
- (NSInteger) numberOfSectionsInTableView:(UITableView  
*)tableView
```

tableView:cellForRowAtIndexPath:

```
- (UITableViewCell *) tableView:(UITableView *)tableView  
cellForRowAtIndexPath:(NSIndexPath *)indexPath
```

tableView:didSelectRowAtIndexPath:

```
- (void) tableView:(UITableView *)tableView  
didSelectRowAtIndexPath:(NSIndexPath *)indexPath
```

tableView:heightForRowAtIndexPath:

```
- (CGFloat) tableView:(UITableView *)tableView  
heightForRowAtIndexPath:(NSIndexPath *)indexPath
```

tableView:numberOfRowsInSection:

```
- (NSInteger) tableView:(UITableView *)tableView  
numberOfRowsInSection:(NSInteger)section
```

tableView:viewForFooterInSection:

```
- (UIView *)tableView:(UITableView *)tableView  
viewForFooterInSection:(NSInteger)section
```

unwindToChatMenuViewController:

```
-
```

```
(IBAction)unwindToChatMenuViewController:(UINavigationController *)segue
```

viewDidLoad

```
- (void)viewDidLoad
```

viewWillLayoutSubviews

```
- (void)viewWillLayoutSubviews
```


ChatViewController Class Reference

Inherits from	UIViewController
Conforms to	UITextFieldDelegate
Declared in	ChatViewController.h ChatViewController.m

Tasks

Other Methods

- [sendBtnTapped:](#)

Other Methods

- [initWithNibName:bundle:](#)
- [viewDidLoad](#)
- [didReceiveMemoryWarning](#)
- [addMessage:ofType:](#)
- [numberOfSectionsInTableView:](#)
- [tableView:numberOfRowsInSection:](#)
- [tableView:heightForRowAtIndexPath:](#)
- [tableView:viewForFooterInSection:](#)
- [tableView:cellForRowAtIndexPath:](#)
- [getSizeOfString:](#)
- [registerKeyboardNotifications](#)
- [unregisterKeyboardNotifications](#)
- [keyboardWillShow:](#)
- [keyboardWillHide:](#)
- [textFieldShouldReturn:](#)

Instance Methods

addMessage:ofType:

```
- (void)addMessage:(NSString *)str  
ofType:(MessageType)msgType
```

didReceiveMemoryWarning

```
- (void)didReceiveMemoryWarning
```

getSizeOfString:

Get size of string.

```
- (CGSize)getSizeOfString:(NSString *)str
```

Parameters

str
string for which size is to be calculated.

Return Value

size of string as CGSize type.

Declared In

`ChatViewController.m`

initWithNibName:bundle:

```
- (id)initWithNibName:(NSString *)nibNameOrNil  
bundle:(NSBundle *)nibBundleOrNil
```

keyboardWillHide:

Handler method for `UIKeyboardWillHideNotification`. Perform UI changes when keyboard disappears.

```
- (void)keyboardWillHide:(NSNotification  
*)aNotification
```

Parameters

aNotification
UIKeyboardWillHideNotification object

Declared In

ChatViewController.m

keyboardWillShow:

Handler method for UIKeyboardWillShowNotification. Performs UI changes when keyboard appears

```
- (void)keyboardWillShow:(NSNotification  
*)aNotification
```

Parameters

aNotification
UIKeyboardWillShowNotification object

Declared In

ChatViewController.m

numberOfSectionsInTableView:

```
- (NSInteger)numberOfSectionsInTableView:(UITableView  
*)tableView
```

registerKeyboardNotifications

```
- (void)registerKeyboardNotifications
```

sendBtnTapped:

Called when message send button tapped.

```
- (IBAction)sendBtnTapped:(id)sender
```

Parameters

sender
send button.

Declared In

ChatViewController.m

tableView:cellForRowAtIndexPath:

```
- (UITableViewCell *)tableView:(UITableView *)tableView  
cellForRowAtIndexPath:(NSIndexPath *)indexPath  
tableView:heightForRowAtIndexPath:
```

```
- (CGFloat)tableView:(UITableView *)tableView  
heightForRowAtIndexPath:(NSIndexPath *)indexPath  
tableView:numberOfRowsInSection:
```

```
- (NSInteger)tableView:(UITableView *)tableView  
numberOfRowsInSection:(NSInteger)section  
tableView:viewForFooterInSection:
```

```
- (UIView *)tableView:(UITableView *)tableView  
viewForFooterInSection:(NSInteger)section  
textFieldShouldReturn:
```

```
- (BOOL)textFieldShouldReturn:(UITextField *)textField  
unregisterKeyboardNotifications
```

```
- (void)unregisterKeyboardNotifications  
viewDidLoad
```

```
- (void)viewDidLoad
```

HomeController Class Reference

Inherits from	ParentViewController : UIViewController
Declared in	HomeController.h HomeController.m

Tasks

Other Methods

– [unwindToHomeController](#):

Other Methods

– [initWithNibName:bundle:](#)
– [viewDidLoad](#)
– [didReceiveMemoryWarning](#)

Instance Methods

didReceiveMemoryWarning

– (void) didReceiveMemoryWarning

initWithNibName:bundle:

– (id) initWithNibName:(NSString *) *nibNameOrNil*
bundle:(NSBundle *) *nibBundleOrNil*

unwindToHomeController:

–

(IBAction) unwindToHomeController:(UIStoryboardSegue *) *segue*

viewDidLoad

- (void)viewDidLoad

LocationsViewController Class Reference

Inherits from	ParentViewController : UIViewController
Declared in	LocationsViewController.h LocationsViewController.m

Tasks

- initWithNibName:bundle:
- viewDidLoad
- viewWillAppear:
- didReceiveMemoryWarning

Instance Methods

didReceiveMemoryWarning

Set the current UI Design as per the theme stored inNSUserDefaults.

- (void) didReceiveMemoryWarning

Declared In

LocationsViewController.m

initWithNibName:bundle:

- (id) initWithNibName:(NSString *)nibNameOrNil
bundle:(NSBundle *)nibBundleOrNil

viewDidLoad

- (void) viewDidLoad

viewWillAppear:

- (void)viewWillAppear:(BOOL)*animated*

LoginViewController Class Reference

Inherits from	UIViewController
Declared in	LoginViewController.h LoginViewController.m

Tasks

- initWithNibName:bundle:
- viewDidLoad
- didReceiveMemoryWarning
- textFieldShouldReturn:

Instance Methods

didReceiveMemoryWarning

- (void) didReceiveMemoryWarning

initWithNibName:bundle:

- (id) initWithNibName:(NSString *) *nibNameOrNil*
bundle:(NSBundle *) *nibBundleOrNil*

textFieldShouldReturn:

- (BOOL) textFieldShouldReturn:(UITextField *) *textField*

viewDidLoad

- (void) viewDidLoad

MainMenuViewController Class Reference

Inherits from	UIViewController
Declared in	MainMenuViewController.h MainMenuViewController.m

Tasks

Other Methods

- `unwindToMainMenuViewController:`

Other Methods

- `initWithNibName:bundle:`
- `viewDidLoad`
- `addTitle:imageName:segueName:`
- `didReceiveMemoryWarning`
- `numberOfSectionsInTableView:`
- `tableView:numberOfRowsInSection:`
- `tableView:heightForRowAtIndexPath:`
- `tableView:viewForFooterInSection:`
- `tableView:cellForRowAtIndexPath:`
- `viewFromStoryboard:`
- `tableView:didSelectRowAtIndexPath:`

Extension Methods

- `cellMain` property

Properties

`cellMain`

```
@property (nonatomic, weak) IBOutlet UITableViewCell
*cellMain
```

Instance Methods

addTitle:imageName:segueName:

```
- (void)addTitle:(NSString *)title imageName:(NSString
*)imageName segueName:(NSString *)segue
```

didReceiveMemoryWarning

```
- (void)didReceiveMemoryWarning
```

initWithNibName:bundle:

```
- (id)initWithNibName:(NSString *)nibNameOrNil
bundle:(NSBundle *)nibBundleOrNil
```

numberOfSectionsInTableView:

```
- (NSInteger)numberOfSectionsInTableView:(UITableView
*)tableView
```

tableView:cellForRowAtIndexPath:

```
- (UITableViewCell *)tableView:(UITableView *)tableView
cellForRowAtIndexPath:(NSIndexPath *)indexPath
```

tableView:didSelectRowAtIndexPath:

```
- (void)tableView:(UITableView *)tableView
didSelectRowAtIndexPath:(NSIndexPath *)indexPath
```

tableView:heightForRowAtIndexPath:

```
- (CGFloat)tableView:(UITableView *)tableView
heightForRowAtIndexPath:(NSIndexPath *)indexPath
```

tableView:numberOfRowsInSection:

```
- (NSInteger)tableView:(UITableView *)tableView  
numberOfRowsInSection:(NSInteger)section
```

tableView:viewForFooterInSection:

```
- (UIView *)tableView:(UITableView *)tableView  
viewForFooterInSection:(NSInteger)section
```

unwindToMainMenuViewController:

```
-  
(IBAction)unwindToMainMenuViewController:(UIStoryboardSegue *)segue
```

viewDidLoad

```
- (void)viewDidLoad
```

viewFromStoryboard:

```
- (UIViewController *)viewFromStoryboard:(NSString *)storyboardID
```

MatchViewController Class Reference

Inherits	ParentViewController :
from	UIViewController
Declared in	MatchViewController.h MatchViewController.m

Tasks

- initWithNibName:bundle:
- viewDidLoad
- didReceiveMemoryWarning

Instance Methods

didReceiveMemoryWarning

- (void) didReceiveMemoryWarning

initWithNibName:bundle:

- (id) initWithNibName:(NSString *)nibNameOrNil
bundle:(NSBundle *)nibBundleOrNil

viewDidLoad

- (void) viewDidLoad

ParentViewController Class Reference

Inherits from	UIViewController
Declared in	ParentViewController.h ParentViewController.m

Overview

ViewControllers inheriting this class will have `iMate` image on its navigation bar title.

Tasks

- `initWithNibName:bundle:`
- `viewDidLoad`
- `didReceiveMemoryWarning`

Instance Methods

`didReceiveMemoryWarning`

– (void)`didReceiveMemoryWarning`

`initWithNibName:bundle:`

– (id)`initWithNibName:(NSString *)nibNameOrNil
bundle:(NSBundle *)nibBundleOrNil`

`viewDidLoad`

– (void)`viewDidLoad`

ProfileViewController Class Reference

Inherits from	UIViewController
Declared in	ProfileViewController.h ProfileViewController.m

Tasks

- initWithNibName:bundle:
- viewDidLoad
- populateFriendScrollView
- populateInterestScrollView
- scrollViewDidScroll:
- changePage
- viewDidLoad:
- didReceiveMemoryWarning

Instance Methods

changePage

- (IBAction)changePage
- ### didReceiveMemoryWarning

- (void)didReceiveMemoryWarning

initWithNibName:bundle:

- (id)initWithNibName:(NSString *)nibNameOrNil
bundle:(NSBundle *)nibBundleOrNil

populateFriendScrollView

Method to populate Shared friends in a horizontal scroll view

- (void)populateFriendScrollView

Declared In

ProfileViewController.m

populateInterestScrollView

Method to populate Shared Interests in a horizontal scroll view

- (void)populateInterestScrollView

Declared In

ProfileViewController.m

scrollViewDidScroll:

- (void)scrollViewDidScroll:(UIScrollView *)*sender*

viewDidAppear:

- (void)viewDidAppear:(BOOL) *animated*

viewDidLoad

- (void)viewDidLoad

SettingsViewController Class Reference

Inherits from	UITableViewController
Declared in	SettingsViewController.h SettingsViewController.m

Tasks

Other Methods

- `setSelected:`

Other Methods

- `initWithNibName:bundle:`
- `viewDidLoad`
- `switchChanged:`
- `didReceiveMemoryWarning`

Instance Methods

didReceiveMemoryWarning

- `(void) didReceiveMemoryWarning`

initWithNibName:bundle:

- `(id) initWithNibName:(NSString *)nibNameOrNil
bundle:(NSBundle *)nibBundleOrNil`

setSelected:

- (IBAction)setSelected:(UIButton *)*sender*
switchChanged:

Custom Switches (Objects of class Seven Switches)

- (IBAction)switchChanged:(id)*sender*

Declared In

SettingsViewController.m

viewDidLoad

- (void)viewDidLoad