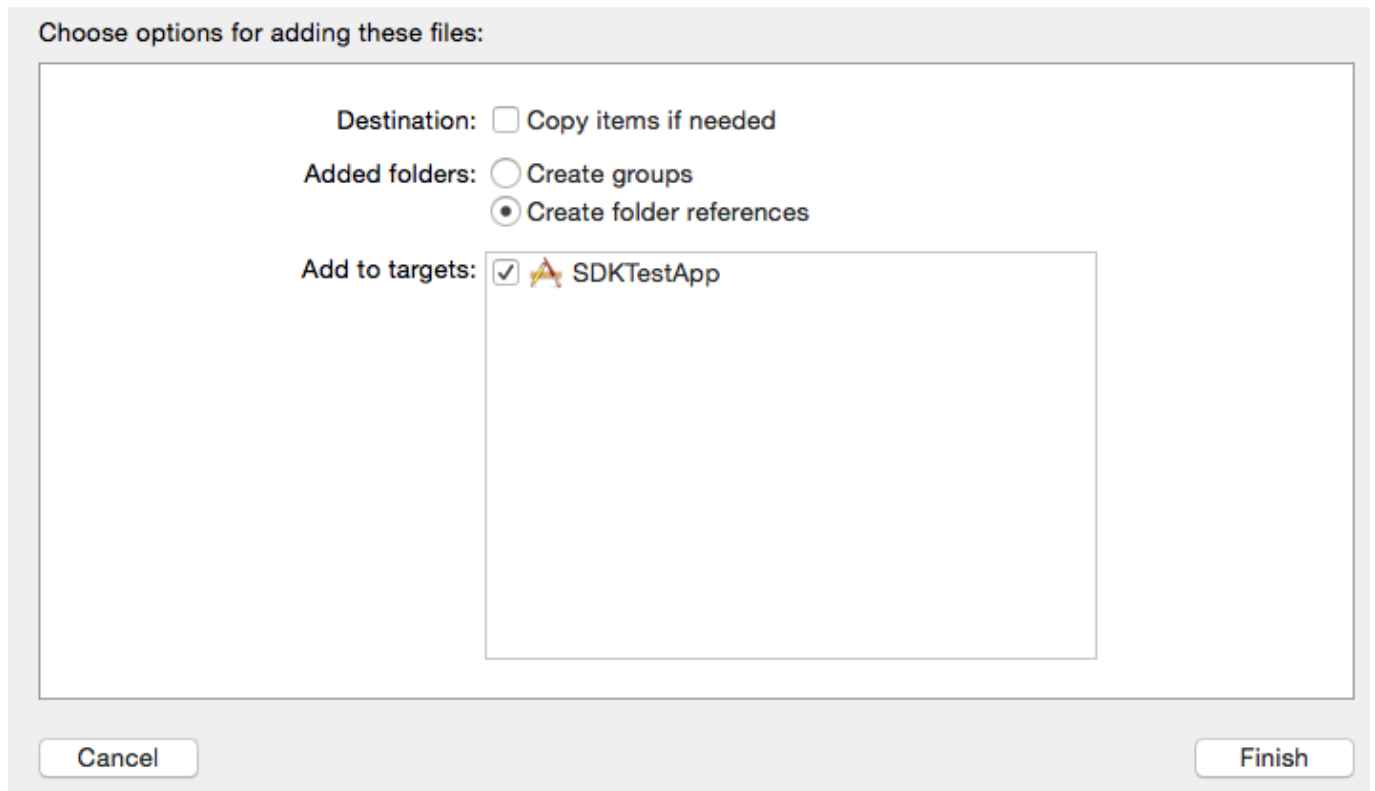# Embedding iOS SDK to build a business chat app
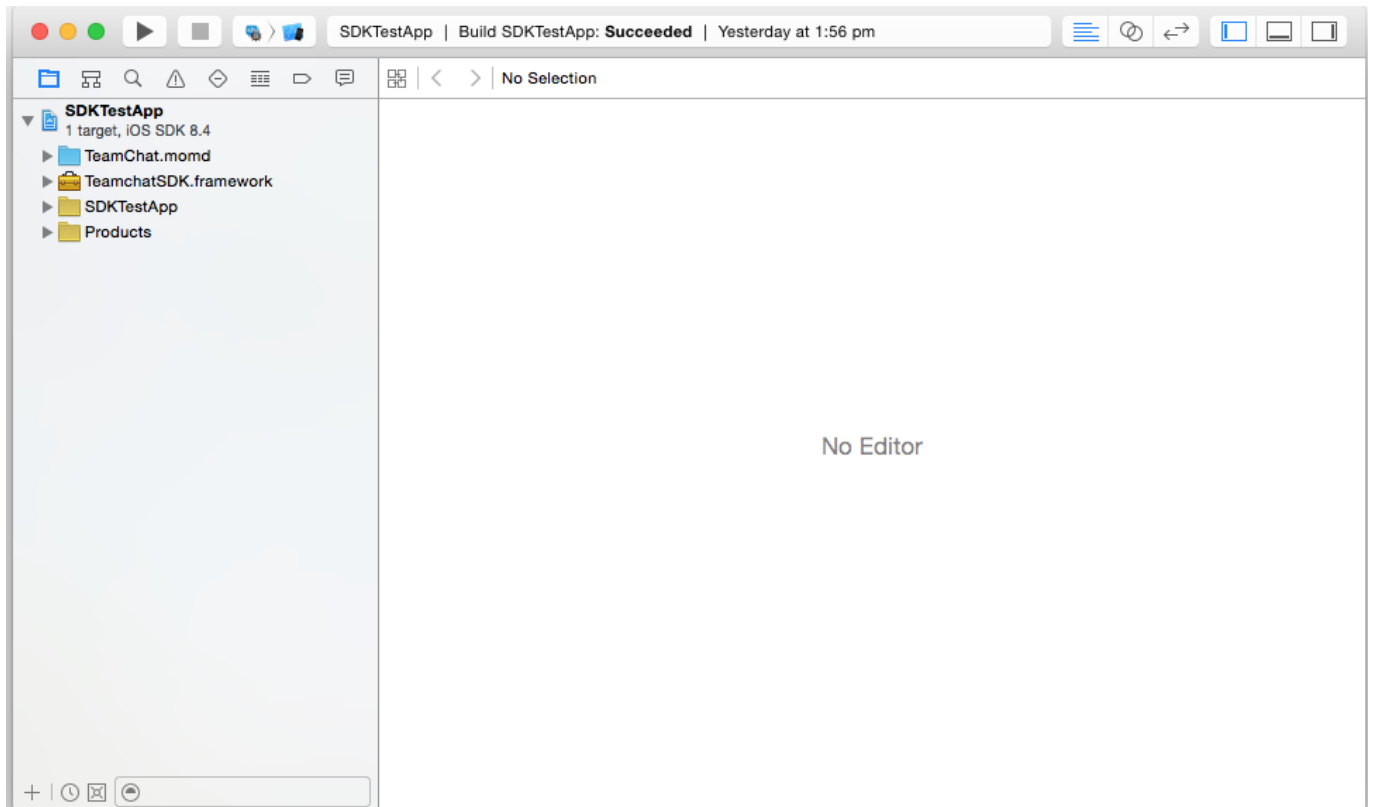
Objective:

To embed smart messaging and build an iOS app for business communication between employees

Implementation:

1.   Add TeamchatSDK.framework to your project.

2.   Add TeamchatSDK.framework to 'Embedded Binaries' field under 'General' tab of your project target.

3.   Add TeamchatSDK.framework/TeamChat.momd folder to your project using the "Create folder references" option as shown below.

Now project navigator will look like:

4. To support some HTTP requests in iOS 9.0 and above, add the key 'NSAppTransportSecurity' as a dictionary in Info.plist of your project and within the dictionary add the key 'NSAllowsArbitraryLoads' with BOOL value 'YES'.

Now you need to initialize the Teamchat object with appID in the AppDelegate method *application:didFinishLaunchingWithOptions:*.

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

      [Teamchat initializeWithAppID:<App ID> withCompletionHanlder:^(BOOL success,
NSError *error) {
              if (!success)
              {
                      [[[UIAlertView alloc] initWithTitle:@"Failed"
                      message:[error localizedDescription] delegate:nil
                      cancelButtonTitle:@"OK" otherButtonTitles:nil, nil] show];
              }
      }];

      return YES;
}
```

Enable remote notifications by setting deviceID in the AppDelegate method *application:didRegisterForRemoteNotificationsWithDeviceToken:*

```objectivec
- (void)application:(UIApplication *)application
didRegisterForRemoteNotificationsWithDeviceToken:(NSData *)deviceToken {
```

```
            [Teamchat setRemoteNotificationsDeviceToken:deviceTokenString];
    }
```

You can login to Teamchat in two ways:

1. Set Authentication code, emailID and userID.

```
[Teamchat setAuthenticationCode:@"<Auth-code>"];
[Teamchat setUserEmailID:@"<Email-ID>"];
[Teamchat setUserID:@"<User-ID>"];
```

2. Use Teamchat login view controller.

```
UIViewController *loginViewController = [Teamchat
teamchatLoginViewController:^(BOOL success, NSError *error, NSString *errMsg) {
    if (success)
    {
        // Successful login
    }
    else
    {
        // Login error
    }
}];

if (loginViewController)
{
    [self presentViewController:loginViewController animated:YES completion:nil];
}
```

If you want to configure UI of the Teamchat screens, you can set them as follows:

```
[Teamchat setNavigationTitle:@"Chats"];
[Teamchat setNavigationTitleColor:[UIColor greenColor]];
[Teamchat setTableViewSeparatorColor:[UIColor redColor]];
```

To get the chat groups list controller, you can use the following API:

```
[Teamchat initWithCompletionHandler:^(BOOL success, NSError *error, NSString
*errMsg) {
    if (success)
    {
        UIViewController *teamchatGroupsViewController = [Teamchat

TeamchatGroupsViewController];
        if (teamchatGroupsViewController)
        {
            [self presentViewController:teamchatGroupsViewController animated:YES
completion:nil];
```

```
        }
        else
        {
            // Error
        }
    }
    else
    {
        // Error
    }
}];
```

+(void)initWithCompletionHandler:(^(BOOL, NSError*,NSString*))handler method should be called before calling groups list API.

To get the chat window controller, you can use the following API:

```
[Teamchat initWithCompletionHandler:^(BOOL success, NSError *error, NSString
*errMsg) {
    if (success)
    {
        NSError *error;
        TeamchatGroup *group = [Teamchat teamchatGroupWithID:@"<GroupID>"
error:&error];

        UIViewController *groupViewController = [Teamchat

createTeamchatWindowViewControllerWithGroup:group];
        if (groupViewController)
        {
            [self presentViewController:groupViewController animated:YES
completion:nil];
        }
        else
        {
            // Error
        }
    }
    else
    {
        // Error
    }
}];
```

+(void)initWithCompletionHandler:(^(BOOL, NSError*,NSString*))handler method should be called before calling chat window controller API.

To get user profile view controller, you can use the following API:

```
[Teamchat initWithCompletionHandler:^(BOOL success, NSError *error, NSString
*errMsg) {
    if (success)
```

```
    {
        UIViewController *userProfileViewController = [Teamchat
userProfileViewController];

        if (userProfileViewController)
        {
            [self presentViewController:userProfileViewController animated:YES
completion:nil];
        }
        else
        {
            // Error
        }
    }
    else
    {
        // Error
    }
}];
```

+(void)initWithCompletionHandler:(^(BOOL, NSError*,NSString*))handler method should be
called before calling chat window controller API.

To get the public groups view controller, you can use the following API:

```
[Teamchat initWithCompletionHandler:^(BOOL success, NSError *error, NSString
*errMsg) {
    if (success)
    {
        UIViewController *publicGroupsViewController = [Teamchat
publicGroupsViewController:^(TeamchatGroup *selectedGroup) {
            if (selectedGroup)
            {
                // Push the selected group's chat window.
                UIViewController *chatWindowViewController = [Teamchat

createTeamchatWindowViewControllerWithGroup:selectedGroup];
                if (chatWindowViewController)
                {
                    [self.navigationController
pushViewController:chatWindowViewController animated:YES];
                }
                else
                {
                    // Error
                }
            }
        }];

        if (publicGroupsViewController)
        {
            [self presentViewController:publicGroupsViewController animated:YES
completion:nil];
        }
    }
```

```
        else
        {
            // Error
        }
    }];
```

+(void)initWithCompletionHandler:(^(BOOL, NSError*,NSString*))handler method should be called before calling public group API.

To get Teamchat settings view controller, you can use the following API:

```
[Teamchat initWithCompletionHandler:^(BOOL success, NSError *error, NSString *errMsg) {
    if (success)
    {
        UIViewController *settingsViewController = [Teamchat settingsViewController];

        if (settingsViewController)
        {
            [self presentViewController:settingsViewController animated:YES completion:nil];
        }
        else
        {
            // Error
        }
    }
    else
    {
        // Error
    }
}];
```

+(void)initWithCompletionHandler:(^(BOOL, NSError*,NSString*))handler method should be called before calling public group API.

Teamchat is a messaging app for enterprises. It enables messaging among teams of any size (yes, unlimited!), by structuring the messages to reduce clutter. This is done through "smart" messages that aggregate, organize and summarize the responses, updating themselves without adding new messages to the conversation stream. Examples include polls, surveys, sales reports, registration forms, lookups and more. It's as simple as the other messaging apps, but a lot more powerful. Get your teams productive instantly with Teamchat.

Screen 1 — Get Started

✕

Get Started

Your work email

Please make sure the email address is typed correctly.

Next

By Pressing 'Next' you agree to our
Terms and Conditions and Privacy Policy

●●●○○ VIRGIN   4:21 PM   22%

Screen 2 — Welcome

☰

</>

Welcome to TeamChat

The mobile messenger
for enterprises

●●●○○ VIRGIN   4:21 PM   22%

Screen 3 — Chats

☰   Chats   🔍 ⊞

3.8.0 Check	5:31 PM	
Me: Payment Approval		
AmeyWeb Stage	4:34 PM	
Me: Hi		
BIG GROUP	18 Dec 15	
1200 member/s invited via email		
iOS Test 3.5.0	14 Dec 15	
Backend 3.0	24 Aug 15	
Backend 3.0 joined		
International User	24 Aug 15	
1 member/s yet to be invited via tex...		
Jlt	24 Aug 15	
Nirav PatelA: Photo		
Backend 3.0	18 Aug 15	
iOS 3.7: Sales Forecast		

Screen 4 — Get Started

✕

Get Started

Your work email

Please make sure the email address is typed correctly.

Next

By Pressing 'Next' you agree to our
Terms and Conditions and Privacy Policy.

Screen 5 — Chats

☰   Chats   🔍 ⊞

3.8.0 Check	5:31 PM
Me: Payment Approval	
AmeyWeb Stage	4:34 PM
Me: Hi	
BIG GROUP	18 Dec 15
1200 member/s invited via email	
iOS Test 3.5.0	14 Dec 15
Backend 3.0	24 Aug 15
Backend 3.0 joined	
International User	24 Aug 15
1 member/s yet to be invited via tex...	
Jlt	24 Aug 15
Nirav PatelA: Photo	
Backend 3.0	18 Aug 15
iOS 3.7: Sales Forecast	

Screen 6 — Yury chen

‹   Yury chen   🔍 ⓘ

Today

Me   3:30 PM
Hi

2 New Updates

Yury chen   3:57 PM
Hi

Me   3:59 PM

Posted on: 02 Feb 2016 03:57 PM IST
What is the Sales Forecast for the next
period?
Amount: 56,700

Reply   1 Replies   0 Comments

Yury chen replied

Me   3:59 PM

Posted on: 02 Feb 2016 03:59 PM IST
Please fill in your sales revenue for today
Amount: 2,000

Reply   1 Replies   0 Comments

Yury chen replied

Type your message here   📎