Step 1: create the project based on swift and storyboard.

Step 2: open terminal and go to the path of the project

For me:

cd desktop

cd cmpe277hw2

step 3: check the project status

git init

git add .

git status

step 4: use Cocoapods and framework for the project, create a new pod file then

pod init

step 5: create the structure for this project. Add following group in the project: Model, Views, ViewModels, Controllers, Resources.

Step 6: Drag default file AppDelegate.swift and ScenceDelegate to resources group. Drag ViewControllers.swift to Controllers group. Drag Main.storyboard, Assets.xcassetsand LaunchScreen.storyborad to Views group.

Step 7: Change ViewController.swift to ConversationsViewController.

Graphical user interface, text, application, Teams

Description automatically generated

This is the default setting:

Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Step 8: In the Controllers, create Cocoa touch class named LoginViewController.swift, RegisterViewController.swift,PhotoViewerViewController.swift,NewConversationViewController.swift, ProfileViewController.swift .

Step 9: Build ConversationViewController View.

Text

Description automatically generated

Step 10: Login page first step

Text

Description automatically generated

Step 11: drag an image to Assets and name it as logo.

Graphical user interface, application, Teams

Description automatically generated

Step 12: To make building UI efficient, create a class named extension.

Text

Description automatically generated

Step 13: build login UI and register UI, firstly build login UI and paste whole to RegisterViewController and change the class name.

Text

Description automatically generated

Graphical user interface, text, application

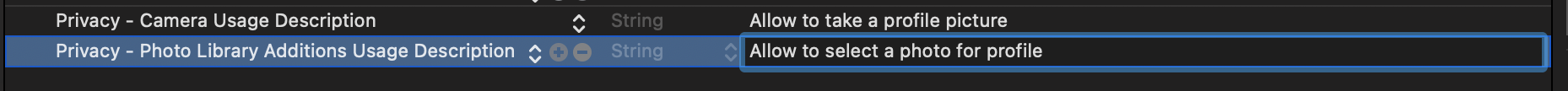
Description automatically generated

Step 14: Register Page

A screen shot of a cell phone

Description automatically generated with medium confidence

Step 15: Add policy to allow user to take profile picture



Step 16:photo picker part

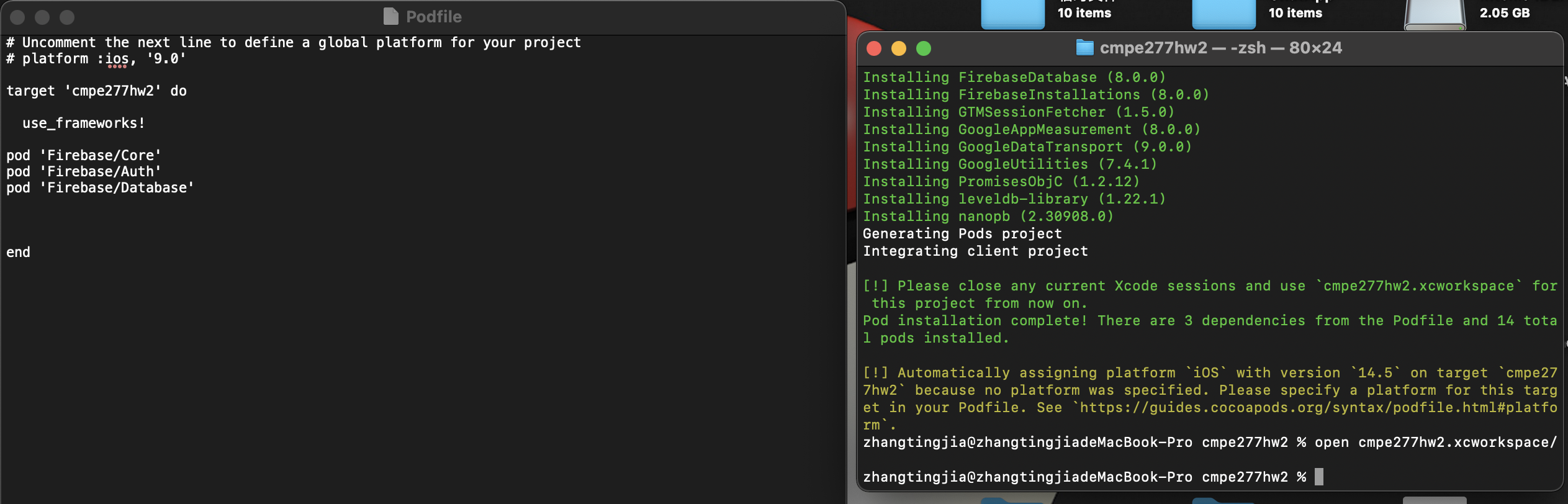
Text

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

Step 17: edit pod file for firebase



Step 18: