

App for Poplar Heights Baptist Church

Isaac Johnson



Agenda

About the app

Learning the Language

Difficulties outside the app

Difficulties creating the app

Future Plans

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Objectives



About the App

GOALS

- To improve communication between employees, members, guests, and those that rent their facilities.
- Programming language is SwiftUI in Xcode
- Have the app in the Apple App Store to download



Learning the Language

SwiftUI



Learning the Language

TUTORIALS

- Built some basic apps to learn and practice skills needed to build the app
- Also used other tutorials to gain ideas of how to utilize specific functions.

LESSONS FROM LEARNING

- Took much longer than anticipated
- Learn once, apply everywhere





Tutorials

```
1 import java.util.Scanner;
 2 public class Fibonacci {
            public static void main(String[] args) {
                   int num, a = 0,b=0, c = 1;
                   Scanner in = new Scanner(System.in);
                   System.out.println("Enter the number of times");
                   num = in.nextInt();
                   System.out.println("Fibonacci Series of the number is:");
                   for (int i=0; i<=num; i++) {
                          a = b;
                          b = c;
                          c = a+b;
                          // If you want to print on the same line, use print()
                          System.out.println(a + "");
17 }
                                                                             PHBC2 app: Ready | Today at 9:23 AM A1 @
    ■ 🗵 🖫 Q 🛕 🔗 🗇 🗐 🔡 🤇 > 🔌 ContentView
                                                                                                                ₽ EO I Œ
                          PHBC2 app ) 
PHBC2 app ) 
ContentView | Dody
     ✓ ✓ PHBC2 app
                            10 struct ContentView: View {
      ∨ ■ PHBC2 app
                                                                                          本 ☐ Content View
                                var body: some View -
        MARC2 appApp

→ ContentView

                                        HomeView()
        MinistriesView
        .tabItem {
                                            Label("Home", systemImage: "house.fill")

→ MoreView

→ ConnectView

                                          .toolbar(.visible, for: .tabBar)
                                          .toolbarBackground(

→ HomeView

        Assets
                                            for: .tabBar)
       > Preview Content
                                        ConnectView()
                                            Label("Connect", systemImage: "person.3.fill")
                                          .toolbar(.visible, for: .tabBar)
                                          .toolbarBackground(
                                            Color blue
                                            for: .tabBar)
                                        MinistriesView()
                                            Label("Ministries", systemImage: "light.beacon.max.fill")
                                          .toolbar(.visible, for: .tabBar)
                                          .toolbarBackground(
                                            Color blue.
                                            for: .tabBar)
                                        MediaView()
                                            Label("Media", systemImage: "play.circle.fill")
                                          .toolbar(.visible, for: .tabBar)
                                          .toolbarBackground(
                                            Color, blue,
```

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Developer License



Difficulties outside the App

DEVELOPER LICENSE

- Largest issue was obtaining the license
 - Issues with identification
- Deciding ownership of license

OTHER

- Deciding which Cloud service to use
- Getting approval for using PHBC's money
- Owning a MacBook



Learning SwiftUI

Researching



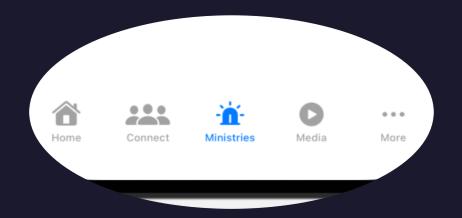
Difficulties creating the App

LEARNING SWIFTUI

- Very different from programming languages that I've learned before
- Not very intuitive
 - Often learn how to use an attribute that works in some places but not all

TIME SPENT RESEARCHING

- Very difficult to find what you need
- Doesn't always work once you find a solution



Difficulties creating the App

ORGANIZING APP

- Placing all the information where it is intuitive to find
- Filling the app with information

REDOING PARTS

- Would find more effective/intuitive ways to display information
- Learned to save the information and come back to it

Future Plans

Objectives



Future Plans

OVERALL IMPROVEMENTS

- Adding more information
- Better Design
- Increasing efficiency

ADDING NEW FEATURES

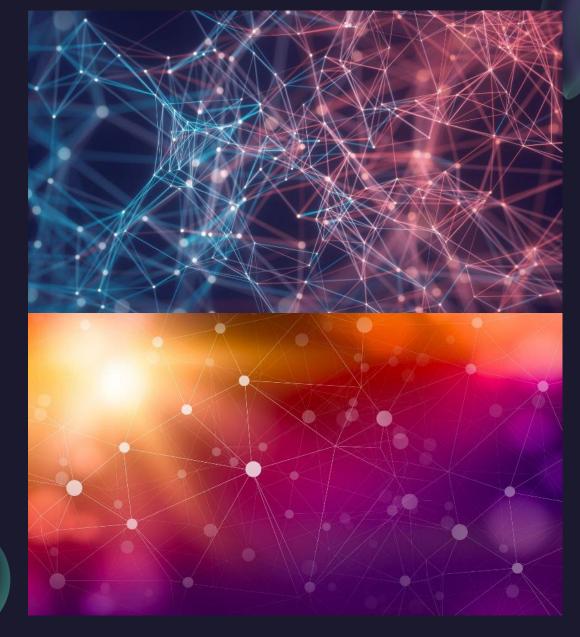
- Profile and signing in
- Way to donate
- Host livestreams
- Ability to reserve space



The App



Thank You



day April 18 2023