



App for Poplar Heights Baptist Church

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Agenda

About the app

Learning the Language

Difficulties outside the app

Difficulties creating the app

Future Plans

App



About the App

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

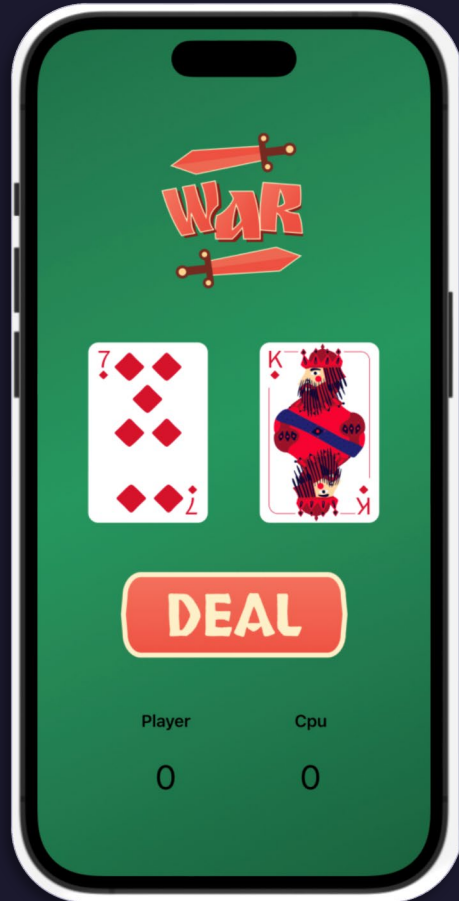
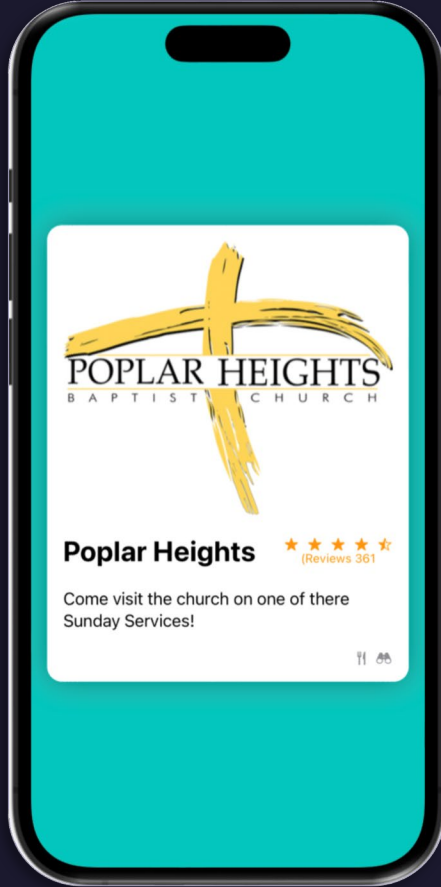
Learning the Language

TUTORIALS

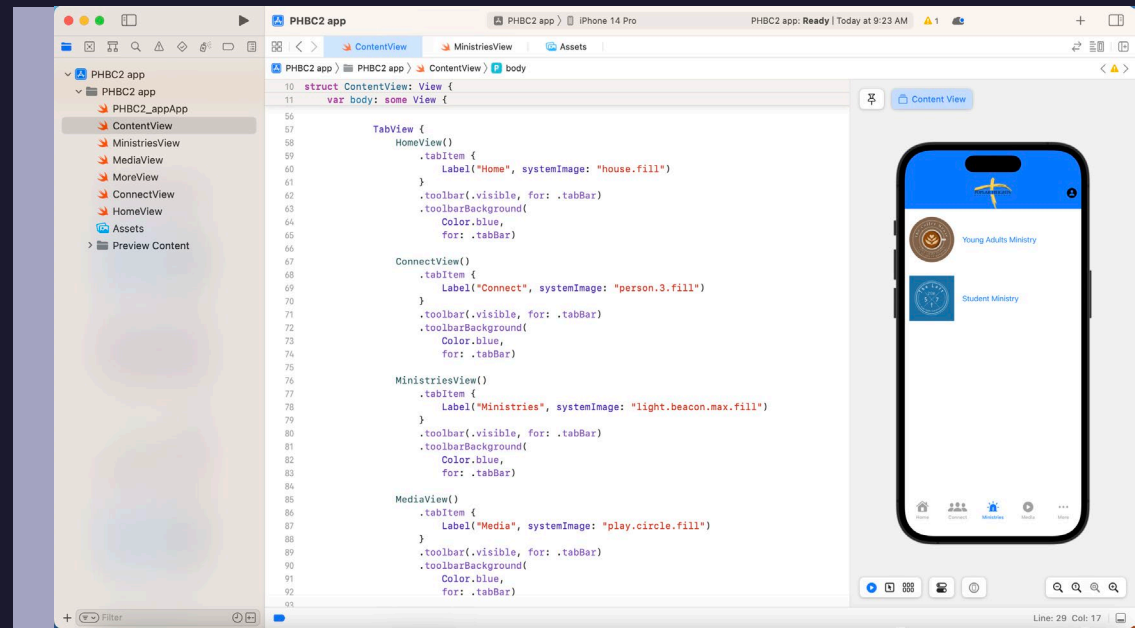
- Built some basic apps to learn and practice skills needed to build the app
- Also used other tutorials to gain ideas of how to utilize specific functions.

LESSONS FROM LEARNING

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



```
1 import java.util.Scanner;
2 public class Fibonacci {
3     public static void main(String[] args) {
4         int num, a = 0, b = 0, c = 1;
5         Scanner in = new Scanner(System.in);
6         System.out.println("Enter the number of times");
7         num = in.nextInt();
8         System.out.println("Fibonacci Series of the number is:");
9         for (int i=0; i<=num; i++) {
10             a = b;
11             b = c;
12             c = a+b;
13             // If you want to print on the same line, use print()
14             System.out.println(a + " ");
15         }
16     }
17 }
```



Tutorials

Difficulties outside the App

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

Difficulties creating the App

Learning SwiftUI

Researching

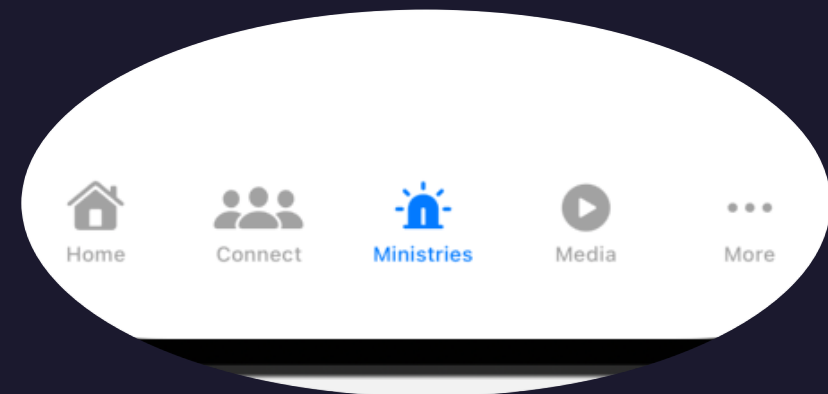
Difficulties creating the App

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

