C🍪🍪KIE-APP

Convergent Capstone Design 1
5th Week Progress Report

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Contents

- Progress & Future Plans about..
    - Flutter & Widgets
    - Friends Tab
    - Google Maps API
    - Chatting - Socket.IO
    - BackEnd

Flutter Widgets

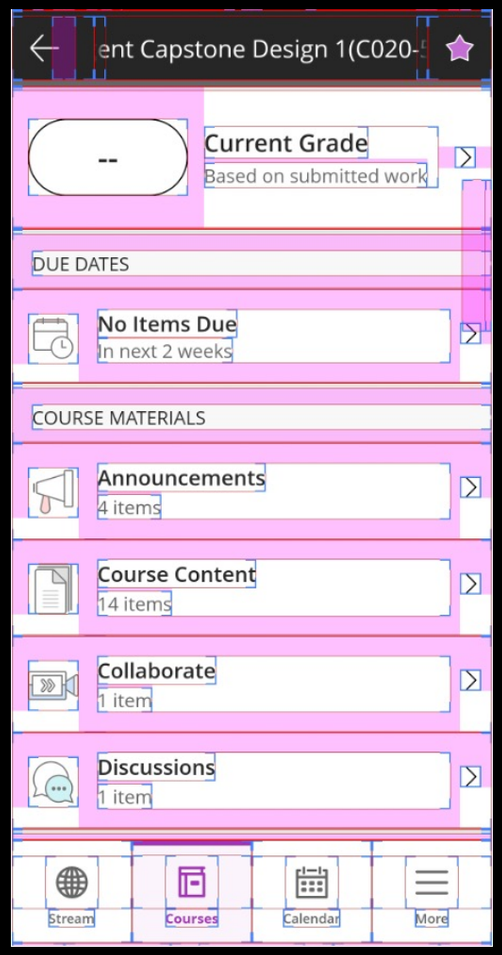
Flutter

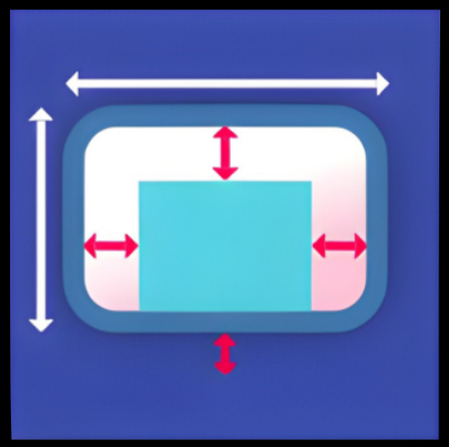
Mobile application

- Fast development
- Expressive and Flexible UI
- Native level performance

Widget

- Basic building block of the user interface
- Including row, column, container, etc
- Ability to implement a variety of features

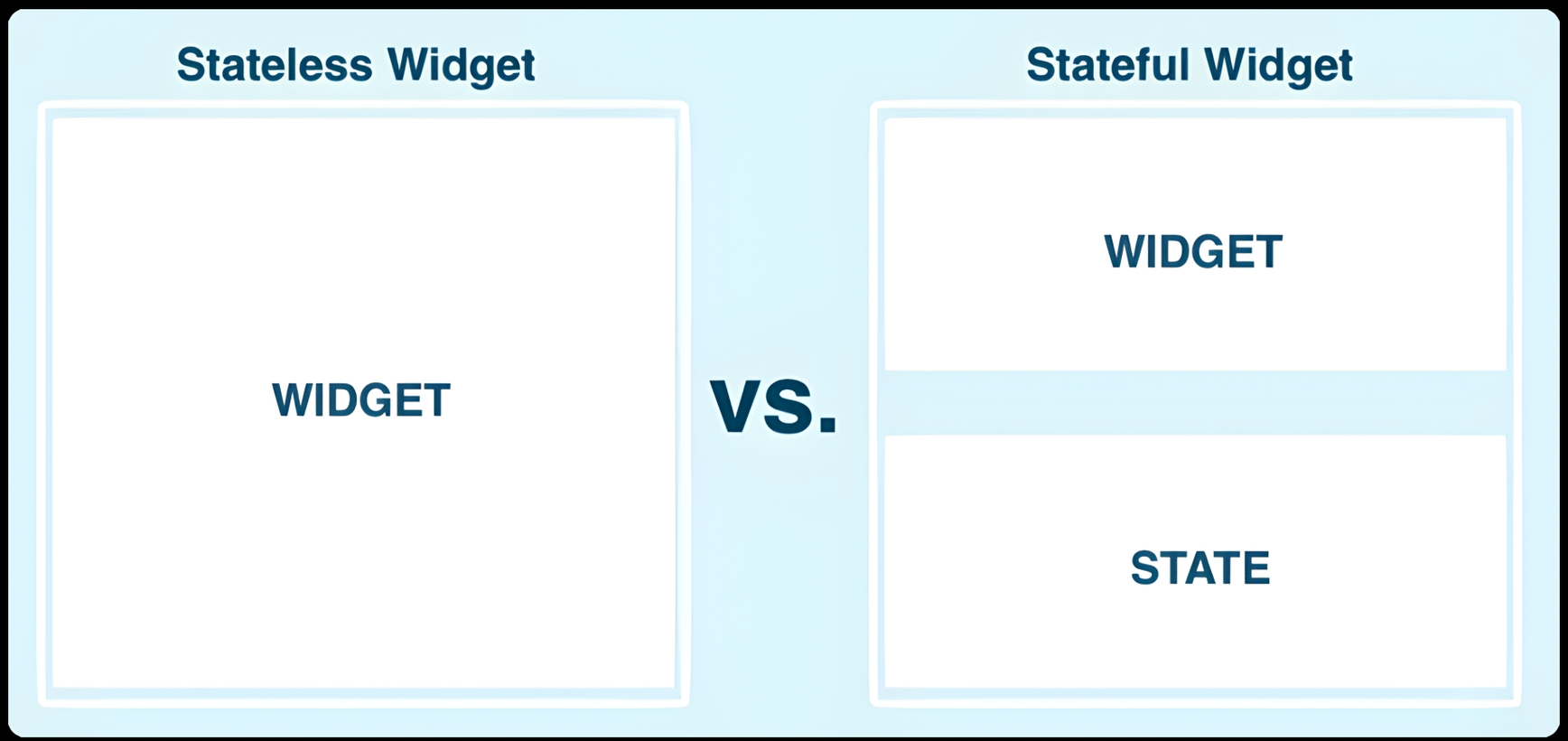


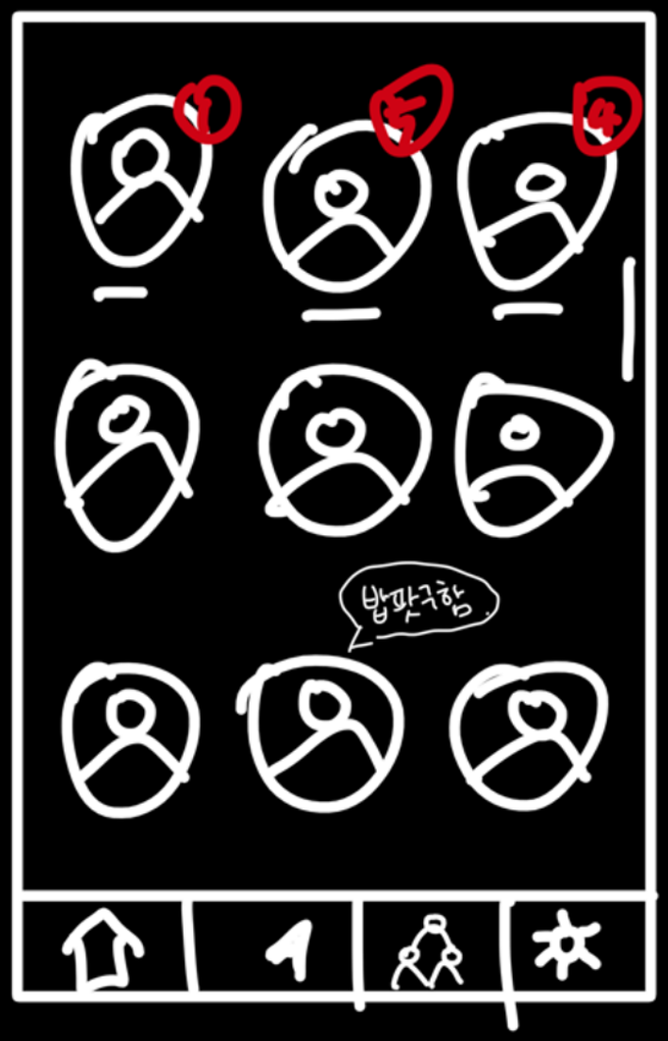


Container

Row

Column


Stateless Widget
WIDGET
VS.
Stateful Widget
WIDGET
STATE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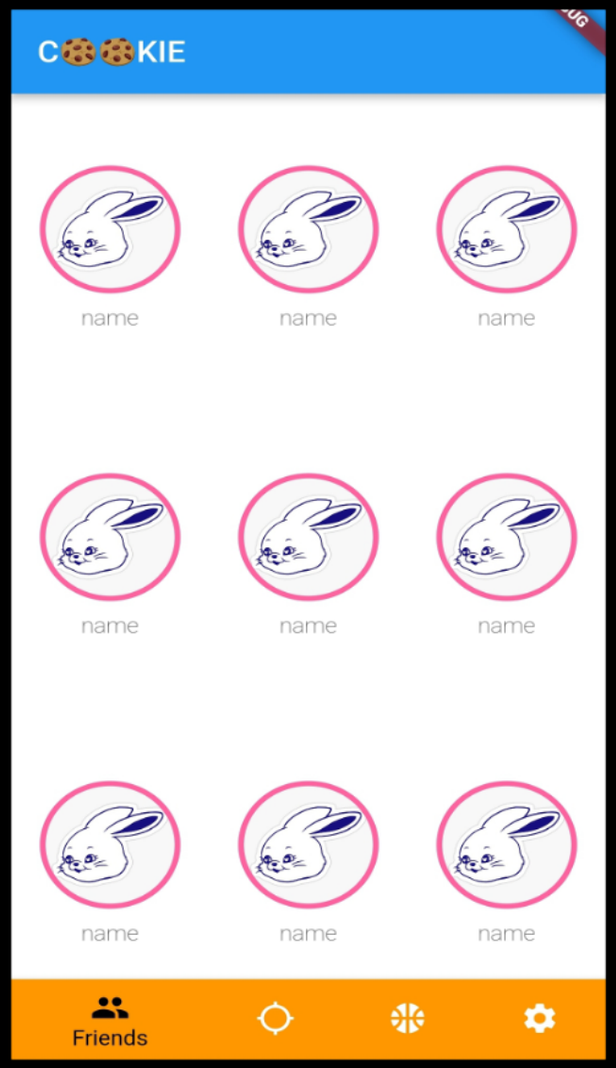
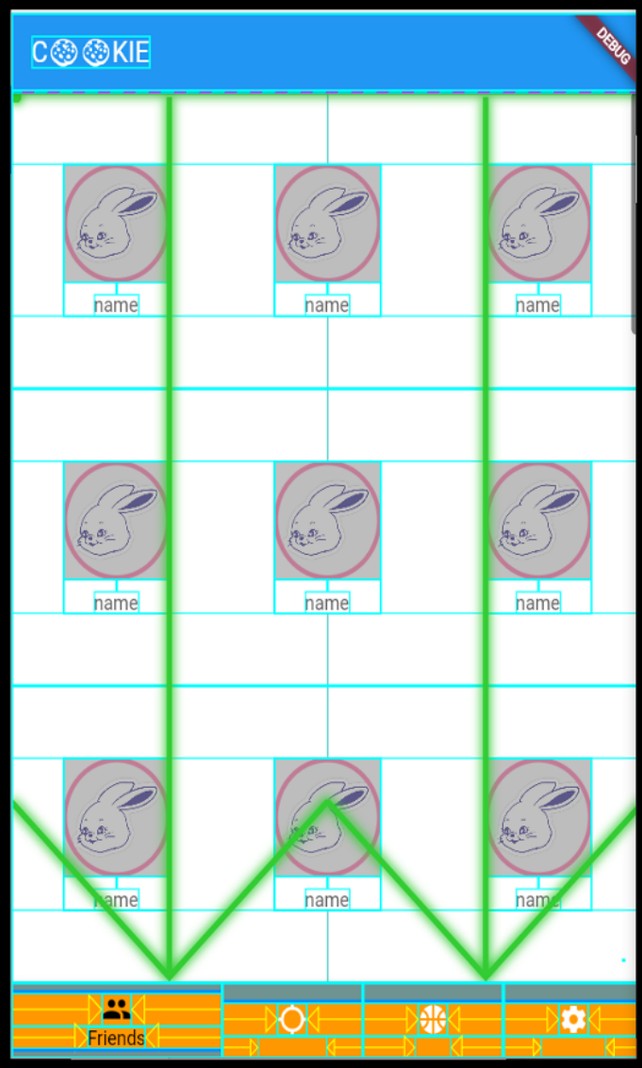

COOKIE
name
Friends


COOKIE
DEBUG
name
Friends

Friends Tab

- Grid Layout

iPhone 14 Pro
iOS 16.2

9:49

DEBUG

C🍪🍪KIE

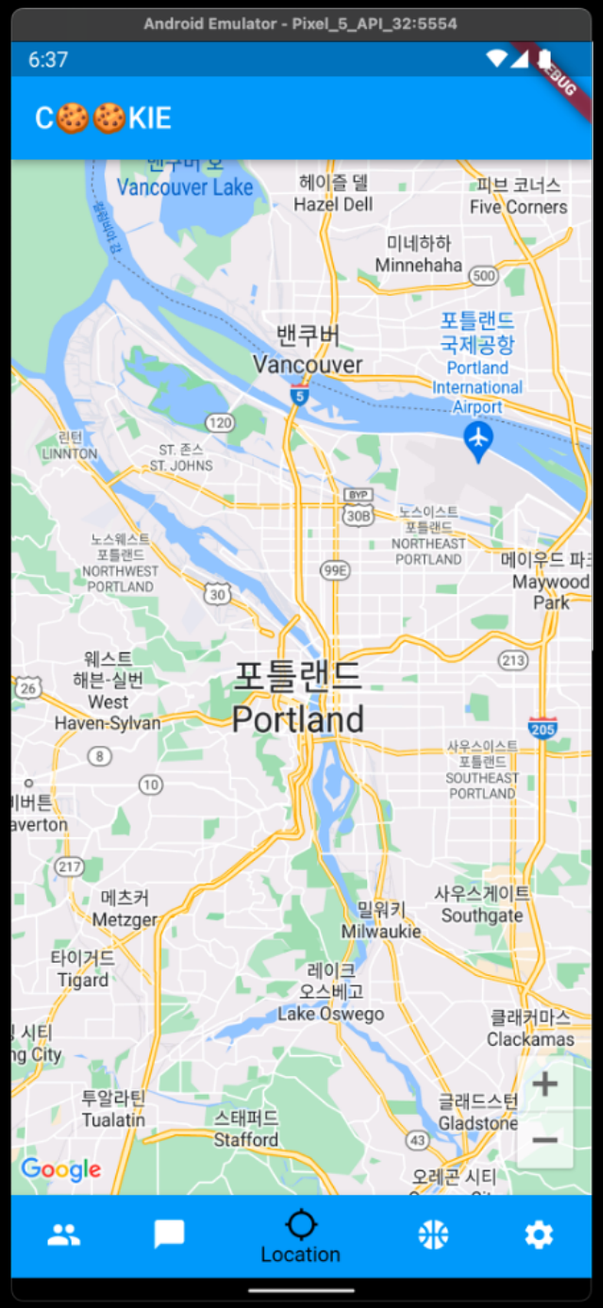
name

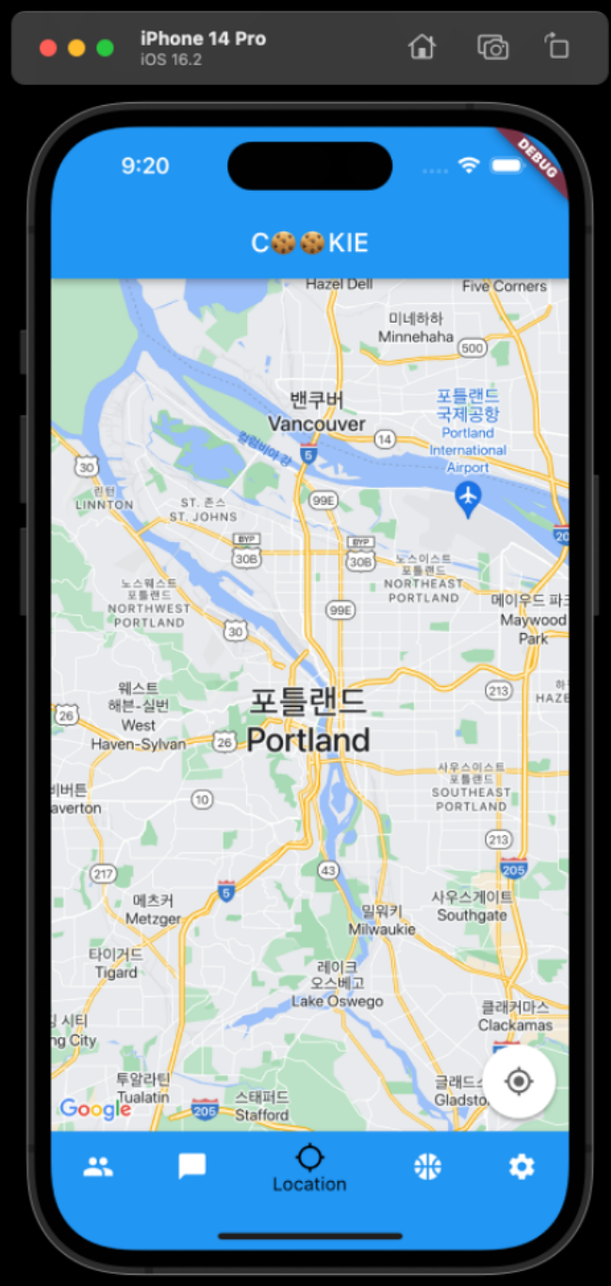
Friends

Things to do

- Generate Profiles from Dummy Data
    - Account feature must be implemented (DB)
- Profile page
- UI Improvements

Google Maps API


Android Emulator - Pixel_5_API_32:5554
6:37
DEBUG
COOKIE
Vancouver Lake
헤이즐 델
Hazel Dell
피브 코너스
Five Corners
미네하하
Minnehaha
반쿠버
Vancouver
포틀랜드
국제공항
Portland
International
Airport
린턴
LINNTON
ST. 존스
ST. JOHNS
노스웨스트
포틀랜드
NORTHWEST
PORTLAND
노스이스트
포틀랜드
NORTHEAST
PORTLAND
메이우드 파크
Maywood
Park
웨스트
해븐-실번
West
Haven-Sylvan
포틀랜드
Portland
사우스이스트
포틀랜드
SOUTHEAST
PORTLAND
메츠커
Metzger
밀워키
Milwaukie
사우스게이트
Southgate
타이거드
Tigard
레이크
오스베고
Lake Oswego
클래커마스
Clackamas
투알라틴
Tualatin
스태퍼드
Stafford
글래드스턴
Gladstone
Google
Location


iPhone 14 Pro
iOS 16.2
9:20
DEBUG
COOKIE
Hazel Dell
Five Corners
미네하하
Minnehaha
반쿠버
Vancouver
포틀랜드
국제공항
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투알라틴
Tualatin
스태퍼드
Stafford
Google
Location

Things to do

- Grant Permission for Current location
    - Platform (iOS, Android) Specific
- Location Sharing Logic
- UI Improvements

BackEnd - Express

Why Express?

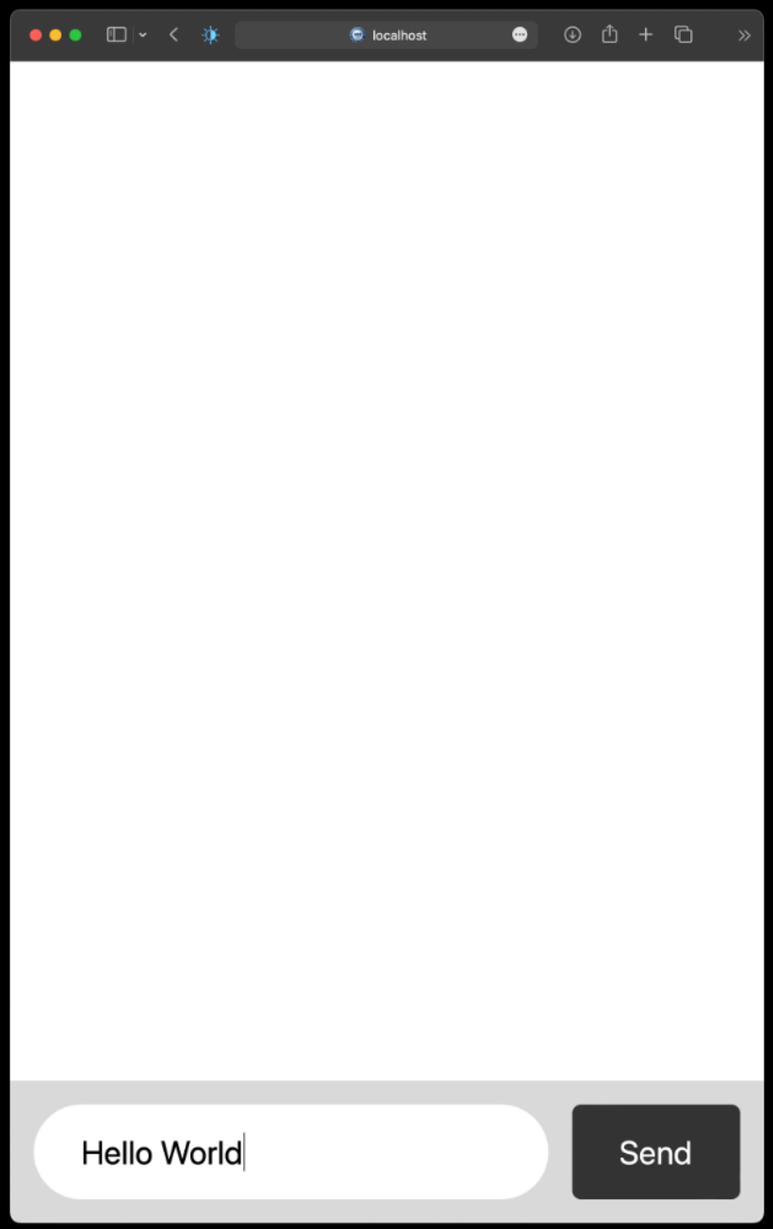
- Large Community
- Lots of libraries (npm)
- Express Middlewares
- Easy to use & learn
    - JavaScript
    - nodeJS

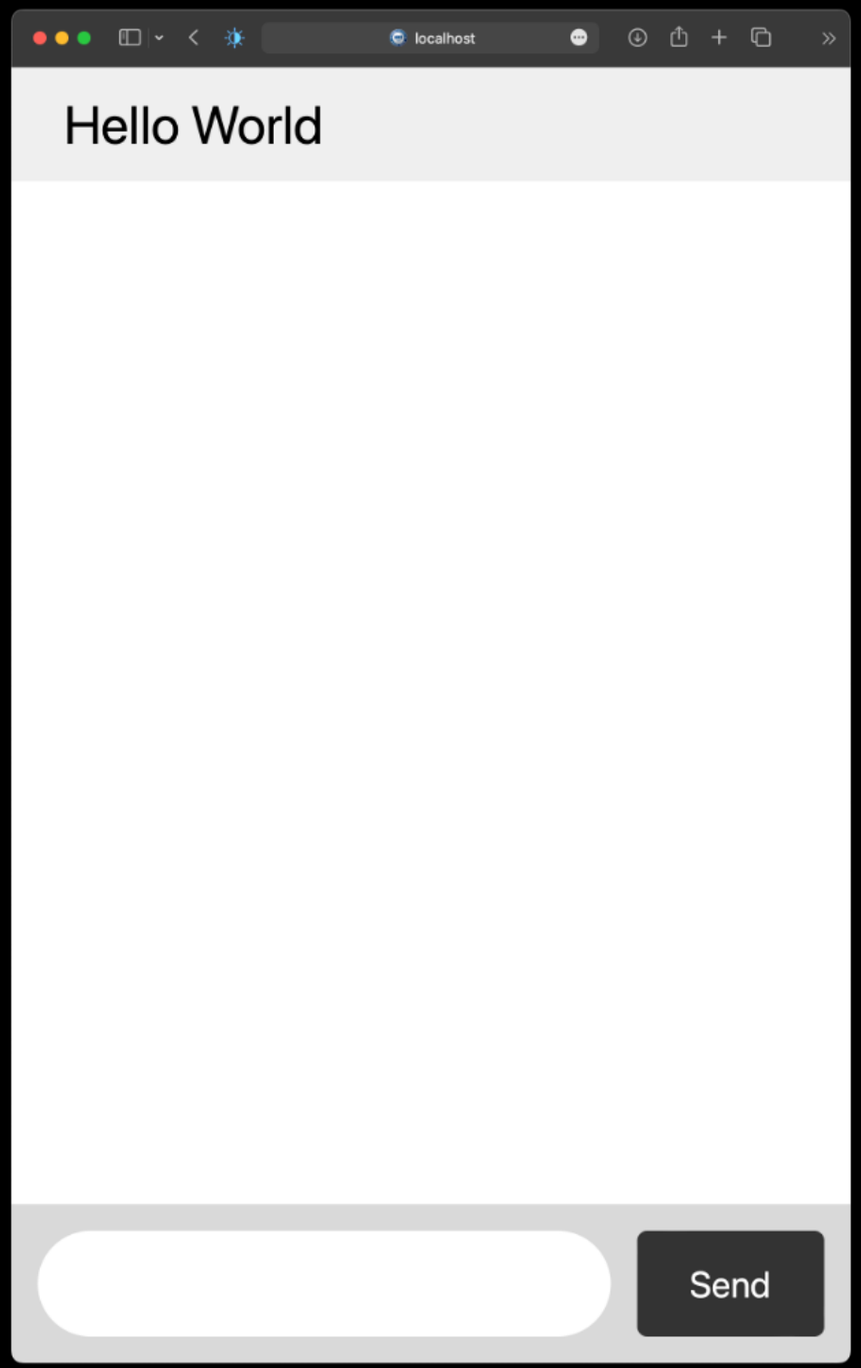
Chatting - Socket.IO

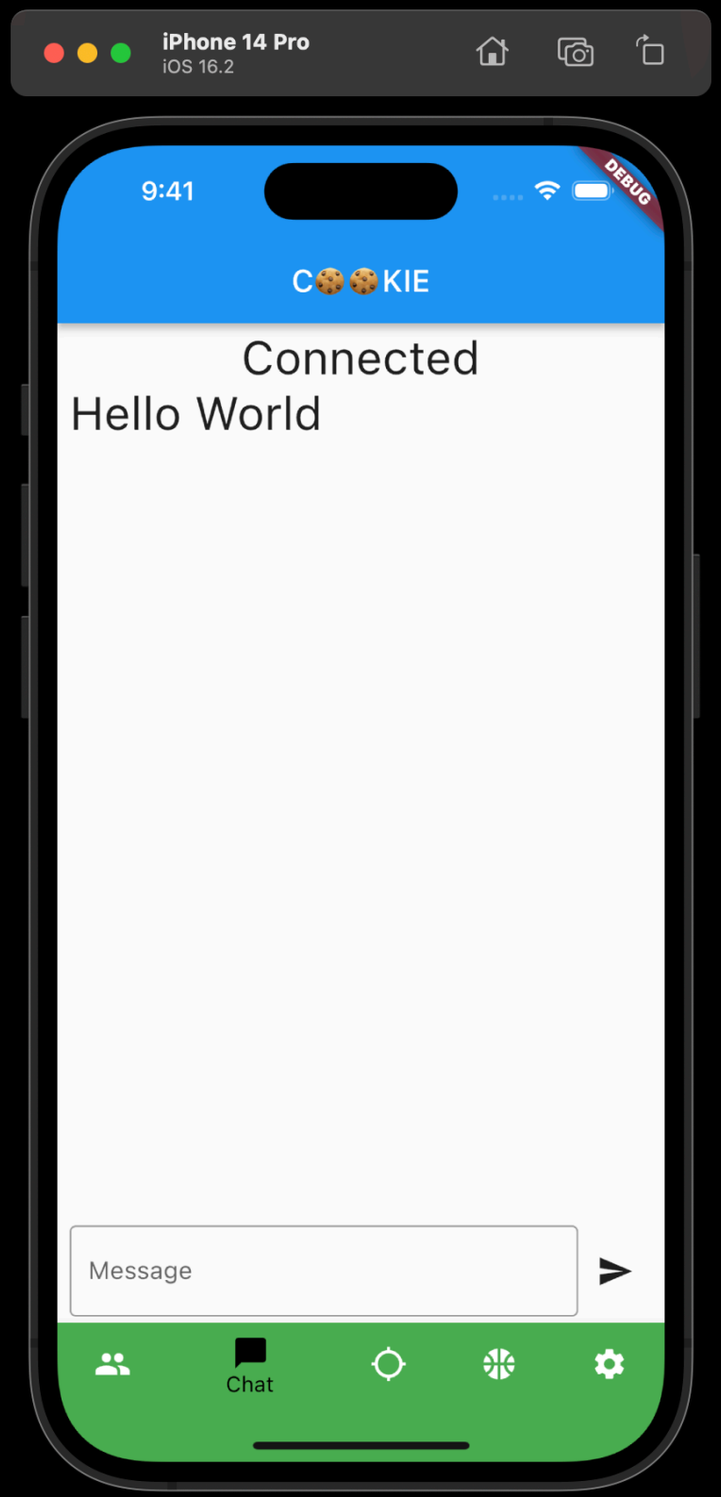
Socket.io?

```server.ts
import { Server } from "socket.io";
const io = new Server(3000);

io.on("connection", (socket) => {
  // send a message to the client
  socket.emit("hello", "world");

  // receive a message from the client
  socket.on("howdy", (arg) => {
    console.log(arg); // prints "stranger"
  });
});
```

```client.ts
import { io } from "socket.io-client";

const socket = io("ws://localhost:3000");

// receive a message from the server
socket.on("hello", (arg) => {
  console.log(arg); // prints "world"
});

// send a message to the server
socket.emit("howdy", "stranger");
```


localhost
Hello World
Send


localhost
Hello World
Send


iPhone 14 Pro
iOS 16.2
9:41
DEBUG
C🍪🍪KIE
Connected
Hello World
Message
Chat

Things to do

- ID for each user & each rooms
    - Account Feature must be Implemented
- Save Old Chats (DB)
- PUSH Notification
    - APNs (Apple Push Notification service)
    - FCM (Firebase Cloud Messaging)
- UI Improvements

Thank You