

SkillCourt

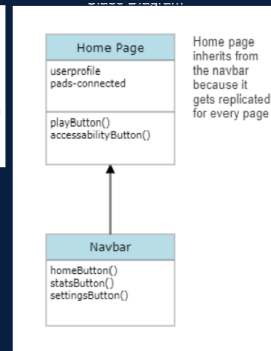
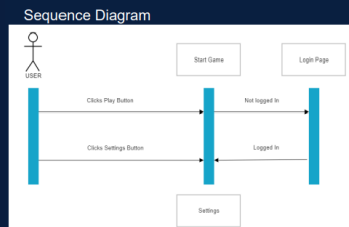
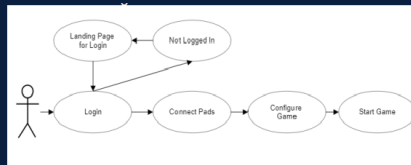
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PROBLEM

SkillCourt is an app that was created to document the extensive and strict training that soccer players go through. This app allows soccer players to go through their own training anywhere without having to seek the assistance of anyone other than themselves

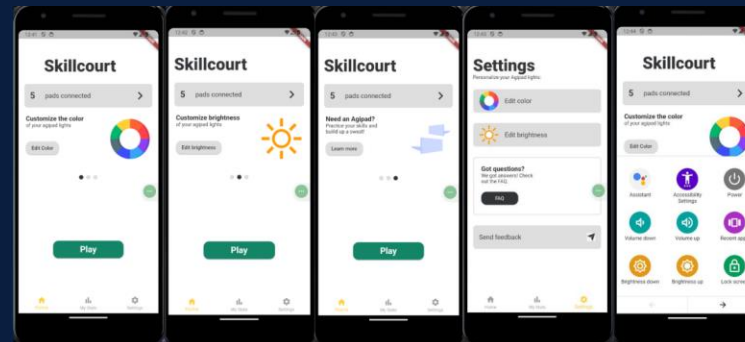
- Outdated designs and limited accessibility
- Raspberry Pi emulator to stimulate connection between the pads
- Researching libraries to create and connect pads to flutter the application

OBJECT DESIGN



CURRENT SYSTEM

- The current project is implemented using Flutter, which uses Dart as its programming language. Flutter allows the developer to write code in Dart and then it is translated into Swift and Kotlin depending on the target device



Implementation



SUMMARY

- Accomplished
 - Home page creation
 - Navigation bar creation
 - Options for accessibility
- Future Projects
 - Customize the pad
 - Allowing for creating a game
 - Adding a time screen for playing
 - Lessening whitespace on home pages

SYSTEM DESIGN

- The System is designed to use a raspberry pi to connect the LED pads to the application. A custom-built firmware application is used to connect the inputs to the mobile application. The mobile app was developed in Flutter which then connects to a database to store user profiles and user statistics.

REQUIREMENTS

- Git
- Android emulator
- Flutter SDK along with Dart
- Java JRE version 1.8 or greater
- Python 3 (for the pad emulator)

ACKNOWLEDGEMENT

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