Design Document

Author: rohan puri
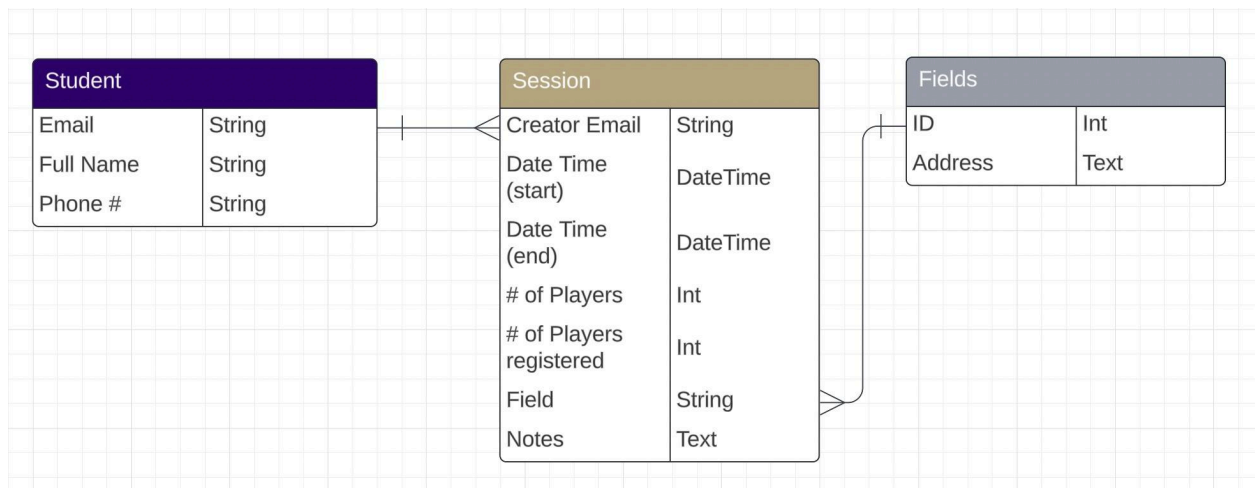
Last Updated: Aug 17, 2024

Contributors: rohitpuri@live.com

Architecture

The UW-Bothell drop-in app will have a 3 tier architecture. The presentation layer is the app, the logic layer is dart (such as validating user input), and the data layer is Firebase Firestore. The mobile app will be built using flutter, supporting both IOS and Android platforms.

Data Design

Student	
Email	String
Full Name	String
Phone #	String

Session	
Creator Email	String
Date Time (start)	DateTime
Date Time (end)	DateTime
# of Players	Int
# of Players registered	Int
Field	String
Notes	Text

Fields	
ID	Int
Address	Text

Dev Environment

- IOS emulator through Xcode
  - Install command line tools "xcode-select –install"
  - Open simulator "open -a Simulator"
- Install Cocoapods
  - "brew install cocoapods"

Data Flow Diagram

Authentication
User Experience
Security

Out of Scope