

Sam and Lesley

The Official AIT Purity Test

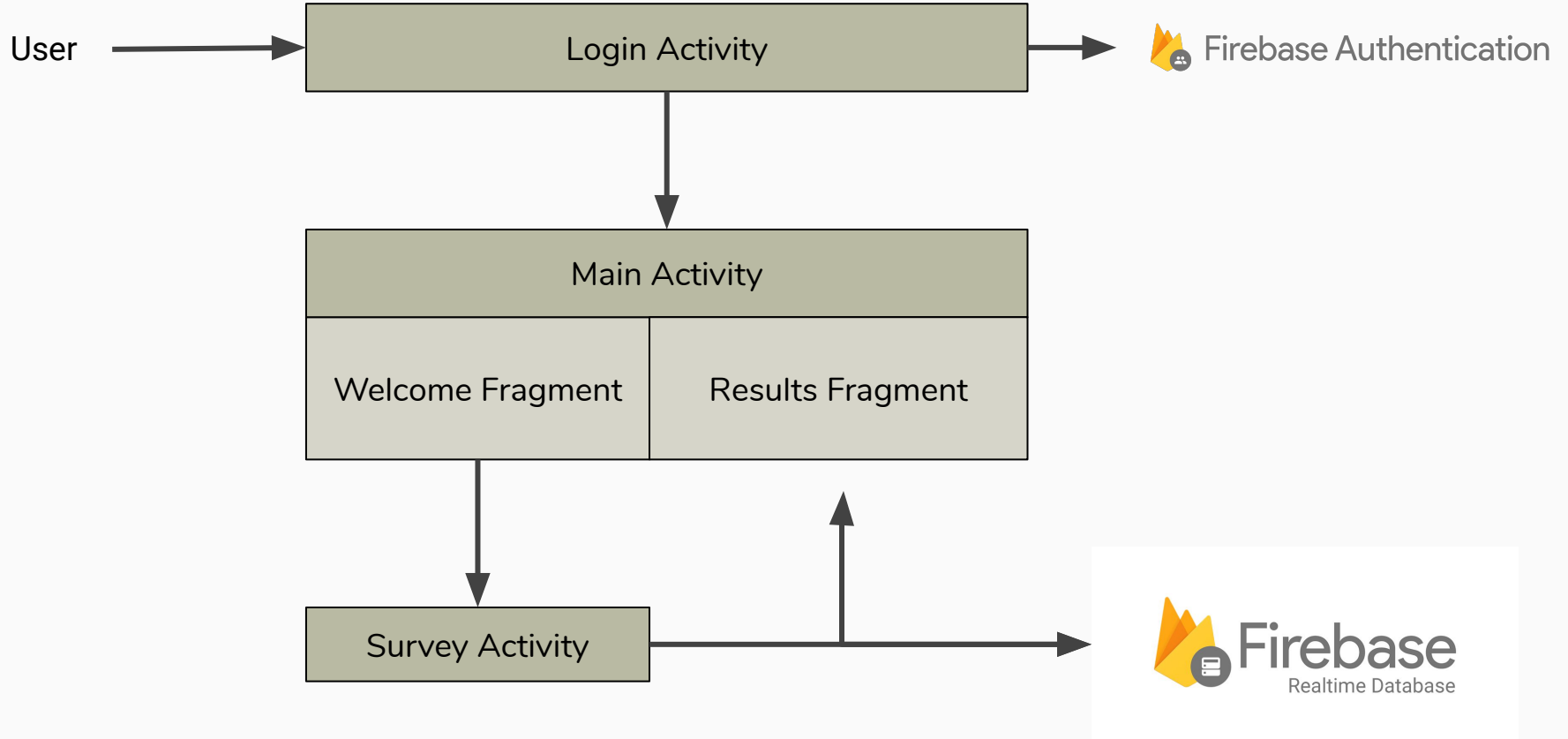
Have you ever...

May 2020

Project Idea

An interactive Android mobile app that scores and analyzes a student's AIT study abroad experience. There are 100 questions in total. The questions are specifically modified for spring 2020 AIT students. This app was inspired by the Rice Purity Test.

Architecture



Implemented Features

1. Login using Firebase Authentication
2. Interactive survey using Quick Bird Studios
3. Scores stored in Firebase under unique ids for privacy
4. Results page with a bar graph that compares your score against everyone else's score

Implementation Details

```
private fun makeSteps() : List<Step>{
    var startStep = InstructionStep( title: "AIT Purity Test", text: "Press start to begin the test", buttonText: "Start")
    var endStep = CompletionStep( title: "You've finished!", text: "", buttonText: "End Test")

    val steps : MutableList<Step> = mutableListOf<Step>(startStep)
    for (q : String! in resources.getStringArray(R.array.surveyQuestions)) {
        var question = QuestionStep(q, text: "",
            answerFormat = AnswerFormat.SingleChoiceAnswerFormat(ListOf(TextChoice( text: "yes"), TextChoice( text: "no"))))
        steps.add(question)
    }
    steps.add(endStep)
    return steps
}
```

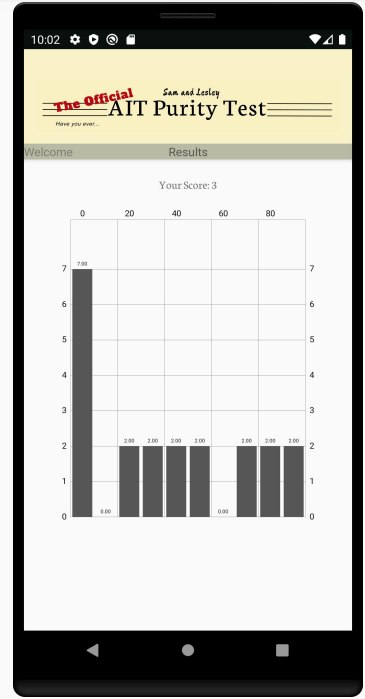
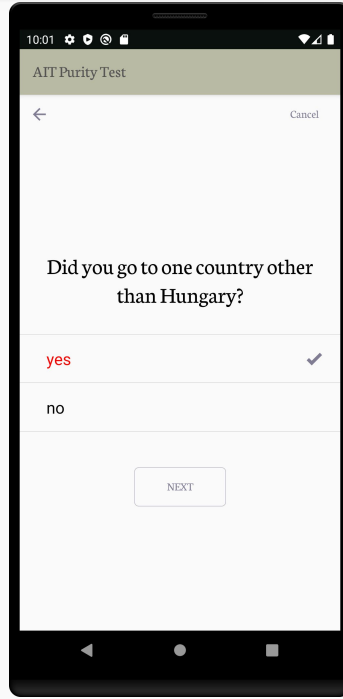
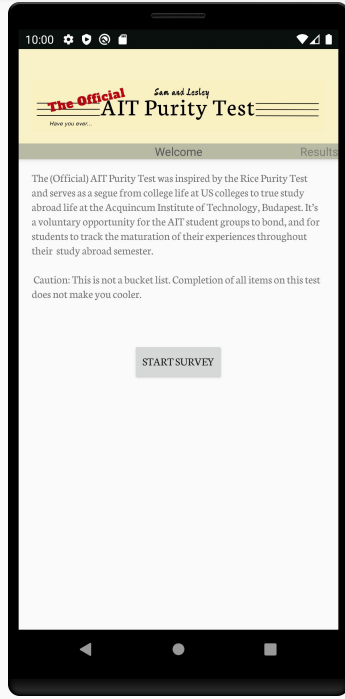
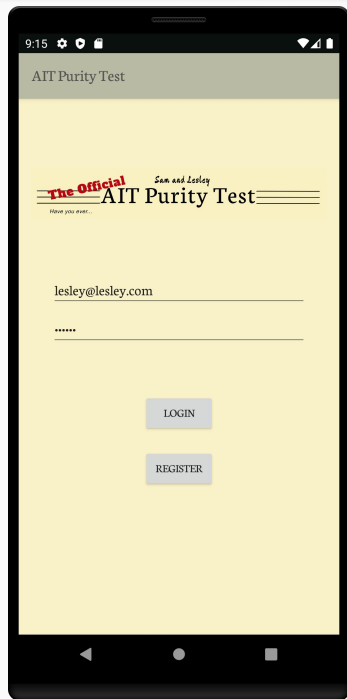
```
private fun updateYourScore() {
    var postsCollection : CollectionReference = FirebaseFirestore.getInstance().collection(
        collectionPath: "results")
    var uid : String = getUID().toString()
    postsCollection.document(uid).get()
        .addOnSuccessListener { document ->
            if (document != null) {
                var score : Int? = document.toObject(Score::class.java)?.score
                tvYourScore.text = "Your Score: {score.toString()}"
                tvYourScore.invalidate()
            }
        }
        .addOnFailureListener{ it: Exception
    }
}
```

Sneak Peak at the Questions

A wholesome selection...

- Went to Instant?
- Tried Palinka?
- Proclaimed love for Peter Ekler?
- Used the phrase “is it understandable?”
- Skipped class for traveling?
- Had to Bolt to class because you woke up late?

Screenshots



Demo Time!