Assignment 1

COMP 2008: Mobile Application Development

Title: PRAC GRADER

Due date: 17 Sep, 2021 Time: 23.59 Perth

REPORT

Device Chosen (API 29):

Phone: Pixel XL

Tablet: Nexus 9

Class UML:

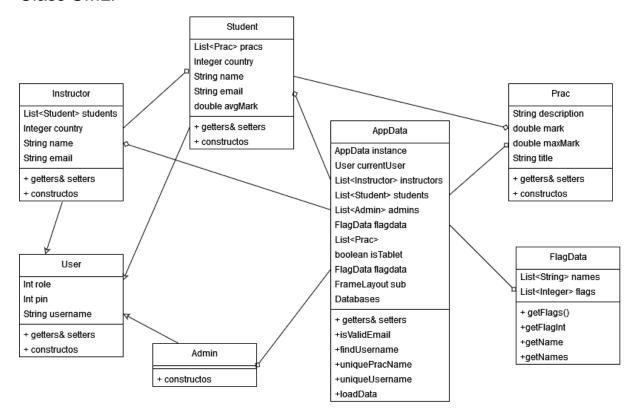


Figure 1 Model class UML diagram.

App Architecture:

main fragment Inflates the required fragment Sub fragment Only inflates Add practical when editing a practical. At all other times its hidden

Figure 2 Left: Tablet layout. Right: Phone layout

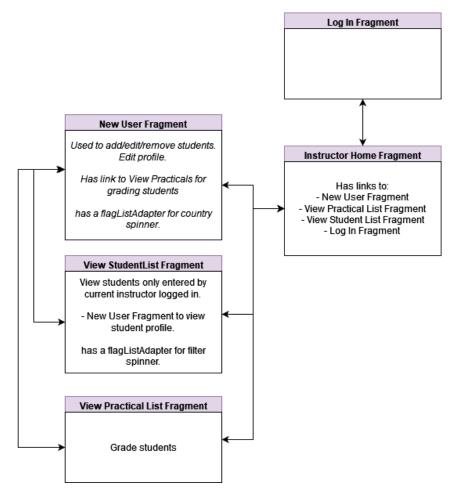


Figure 3 Fragment relationship for an instructor.

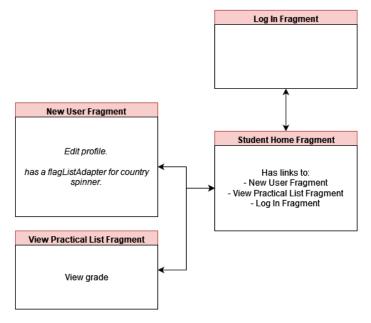


Figure 4 Fragment relationship for a student.

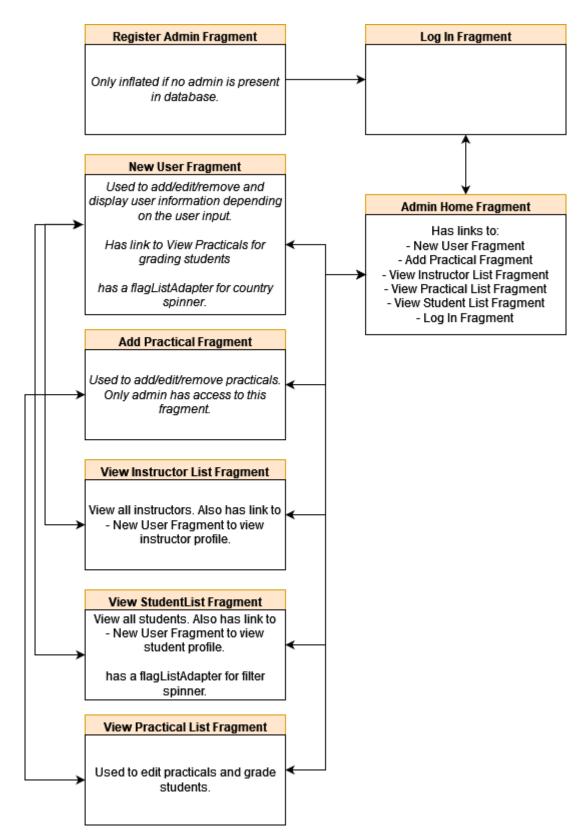


Figure 5 Fragment relationship for an admin.

Database Schema:

admin	
username	TEXT
pin	INTEGER

instructors		
username	TEXT	
pin	INTEGER	
email	TEXT	
country	INTEGER	
name	TEXT	

student		
Student		
username	TEXT	
pin	INTEGER	
email	TEXT	
country	INTEGER	
name	TEXT	
avgmark	REAL	
creator	TEXT	

pracMarks		
title	TEXT	
description	TEXT	
maxmark	REAL	
username	TEXT	
mark	REAL	

pracs		
title	TEXT	
description	TEXT	
maxmark	REAL	

Figure 6 Database schema of the app.