

Homework-2: GeoQuizElite

Due on: Mar-26 (Tue)

Objective: Learning the use of (i) RecyclerView, and (ii) Database.

Problem Description:

You are required create a quiz application, GeoQuizElite, with sample questions, given at the end of this description. You may need to add more questions such that the screen is scrollable.

GeoQuizElite application has the following features:

- On launching the app, it shows one of the two views below:
 - o list of questions as a scrollable list, or
 - o scrollable list of questions shown as a grid of questions
- In each listview box, you must show the following:
 - o One question
 - o True button
 - o False Button
 - o Cheat button
- Once a user answers a question, by clicking True/False Button, indicate in some way that the question has been answered
 - o You may change color of the list item
 - o You may disable the True/False Buttons
 - o Or any other UI of your choice
- On clicking the cheat button, show some text related to the question, and the answer (you may put dummy text for this screen)
- If a user leaves the app, and relaunches, you must remember all the questions he has answered, and mark them accordingly.
- Once all questions are answered, then show the score in a new screen.
 - o You may improvise on how you show the score. For example, you may play with a menu bar which can display the current score.
- You are allowed to, and encouraged to, experiment with additional features as long as the above features are not broken.

Submission Instruction:

- Use the Github Classroom to upload your implementation. Any other form of submission will not be accepted.

Extra Credit:

- On relaunch, make the app ask if you want to start a new quiz, or resume the old quiz.

Sample Questions for the Quiz:

	Question	Answer
1	Seattle is more northerly than New York City	True
2	Rhode Island has a greater population than Mongolia	False
3	Memphis is the state capital of Tennessee	False
4	The currency of Switzerland is the Euro	False
5	China borders the same number of countries as Russia	True
6	The Indian Ocean is the third largest ocean in the world	True
7	There are more countries in Africa than Asia	True
8	Brasília is the capital city of Brazil	True
9	Mount Kilimanjaro is higher than Denali	False
10	The Sahara Desert has a greater area than USA	False