Due: Sep 22 at 23:59
Points: 100
Objectives

Use some basic UI widgets
Routes
Handling the Keyboard
Permanent storage
Material Design

You will be trying out a number of different UI elements. Use Material design for this assignment. You do not need different routes for landscape and portrait views. This app will allow the user to take a quiz.

Personal Information Route

The first or main route collects the basic information about a person. This route's view will look like a basic form. The information we will collect is:

    First (given) name
    Family (last) name
    Nickname
    Age

For each of the items (first name, last name, age, nickname) use a text field to allow the user to enter the data. In each text field the appropriate keyboard needs to be used. The keyboard should not hide the text field the user is entering. All items need a label indicating what information they contain (first name, last name, etc). All items are on a separate line.

To select take a quiz the user needs to go to a second route via a button.

Finally there is a done button. When the done button is pressed the user information is saved permanently in shared preferences. When the app is killed and restarted the saved data is displayed in this route.

Quiz

The quiz uses only one route. Each question in the quiz is displayed in the route. Only one question at a time is displayed. Each question is a multiple choice question. After the user selects an option a **Next** button appears. When the user taps on the next button the next question appears. After answering the last question the Next button's text changes to **End.** Taping

on **End** brings the app back to the first routes. In addition to the personal information give above the first route will as show the users score. The score is stored in a file.

Sample questions are given at the end of the assignment. The questions are not to be hard coded in your source code.

What to turn in

Create a zip file of your entire android project. Please no rar files. Turn in your assignment in Canvas.

Grading

Points	Item
10	Personal route can enter name, age, nickname
10	Correct keyboard for each text field, Keyboard does not hide text field while user is entering data
20	Saving date data permanently in shared preferences and retrieving the data
15	Quiz questions use same widget
20	Quiz works, Shows all questions, shows score on main route
10	Quiz score recorded in file and read when restarting app
10	Quiz questions not hard coded in app source code
5	Look of the app. Items line up when appropriate, consistent use of font, spelling, proper & consistent capitalization, etc.
100	Total

Your assignment will be grades using Pixel 1 phone/emulator running Android API 29.

Questions

Correct answers are indicated by *

1. Far-right protestors tried to storm the Parliament building in which country?

   a. Australia
   b. Britain
   c. France
   d. Germany*

2. Why did Shinzo Abe, prime minister of Japan, resign from office?

    a. An extramarital affair
    b. Fraud
    c. Illness*
    d. Protests

3. What did two commercial jet pilots reported seeing in the busy airspace near Los Angeles International Airport?

    a. An attack drone
    b. A man with a jetpack*
    c. A girl attached to a kite
    d. A U.F.O.

4. After more than seven decades of absence, jaguars are being reintroduced into the wetlands of which country?

    a. Argentina*
    b. Belize
    c. Colombia
    d. Mexico