Year 3 CSE ANDROID DEVELOMENT LAB 2

Read carefully lab instruction in order to create the HealthCare app.

Create an android application with the following specifications.

Try to apply different layout designs to make layout attractive.

Each activity should have a Label somehow similar to the Activity's Intention

Each group should have a different App Logo. (Not android default one)

Submission Deadline: 16 April 2019

Presentation Deadline: 19 April 2019

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Functions

Create a java class Functions with the following functions

1. getTextLength(String text)
2. getAge(int dob): get age eg if dob=2000 age=19.
3. getBMI(int weight, int height): calculating BMI
4. You are allowed to create any other function of your wish and all these functions will be used in different activities where required.

NB: make sure that these functions are called.

Login

Create a login activity with username and password fields. In the username field, the user will be asked to enter the username which have between 4 and 8 characters.

Choose the password of your choice so that if the user enters it will be allowed to proceed.

If the user enters wrong username or password will be given a message

Hint: use **TOAST**

After successful log in, the SecondActivity (**Register**) will be opened.

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Register

This activity will allow users to enter their personal identifications.

First Name

Last Name

Year (Date of Birth),

Height (cm)

and Weight (kg)

Submit button which will help user to navigate to third page that will show Body Mass Index and advice of what you have to do on Page 3 all information filled here should be transferred to Page 3.

The Developer should be able to catch any error while calculate BMI

Hint: Use try---catch blocks where necessary.

AdvicePage

Advice page should display the BMI and all information gathered from previous page using TextView.

> **0-18[=Thin**
> **[18-24]= Normal**
> **]24+= Fat**

The user should get an advice on what can be done to improve health according to the result found.

After displaying the information, the use will be given other opportunity

1. **Share the advice given through any social network E.g Whatsapp.**
2. **Call doctor for the support.**

This page should have options to switch back to previous pages using Menu Settings

DISCUSSION:

1. Explain the types of intents that were applied in the lab.
2. How did you introduce exception handling in this Lab.
3. What is the purpose of using Toast.
4. What are the purpose of using Options Menu in the lab.
5. Explain the purpose of modifications that were made in Manifest file.