FIT2081 Mobile application development - S1 2023 MUM

Started on	Tuesday, 18 April 2023, 2:41 PM
State	Finished
Completed on	Tuesday, 18 April 2023, 2:59 PM
Time taken	18 mins 17 secs
Grade	Not yet graded

[Print friendly format](#)

Question **1**

Complete

Marked out of 10.00

Question 1

```
import androidx.room.Dao;
import androidx.room.Query;

@Dao
public interface FoodDao{
    @Query("delete from food where calories>90 AND cost<270")
    void deleteFatExpensiveFood();
}
```

Question **2**

Complete

Not graded

Question 2

(1) LiveData is a data holder that allows a value to become observable. It allows data to be managed efficiently throughout a data component lifecycle as LiveData will automatically acknowledge and conduct actions accordingly to whatever changes was made to a data. Hence, ensuring that the user interface always matches the data within the ViewModel.

(2) databaseWriteExecutor.execute() is usually used to access the database while performing certain operations that will execute as a SQL statement in the database which will result in change in database's data due to functions like insert, delete, add and many more. From the code line 21, FoodDatabase is the database where the data will be changed at and the change is to add more food data to the database.

(3) FoodRepository is a class that contains all necessary code related to the handling of all data source used by the application related to Food as named. With FoodRepository, there will be no need for the UI controller and ViewModel to contain code that directly accesses sources such as some online web services that relates to food as this is an application related to food.

Question 3

Not answered

Not graded

Question 3

Question 4

Not answered

Not graded

Question 4

Question 5