Midterm Module A

Due Mar 23 at 11:59pm   **Points** 20   **Questions** 20
Time Limit 30 Minutes

Instructions

This midterm covers BNR chapters 1-12. It may also have question from the CriminalIntent slides created by Dr. K.

Many questions relate to how GeoQuiz (similar to MultiQuiz) and CriminalIntent (similar to DreamCatcher) are implemented. Also, make sure you have a good understanding of the life-cycle functions before you take this.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	30 minutes	16 out of 20

Score for this quiz: **16** out of 20
Submitted Mar 19 at 6:36pm
This attempt took 30 minutes.

Question 1   1 / 1 pts

In Android Studio, what tool should you open to see your log messages while the application is running?

Correct!

- 🔘 Logcat

- ⭕ Terminal

- ⭕ Messages

- ⭕ Android Profiler

Question 2   1 / 1 pts

Each Activity that has one or more Fragments needs...

○ An onCreateView method

○ A newIntent method

○ A field to hold each Fragment

Correct!   ◉ A FragmentManager

Question 3   1 / 1 pts

Which of the following is NOT true about Fragments?

Correct!   ◉ Fragment apps tend to be simpler than apps based only on Activities

○ Multiple Fragments can be displayed on a single screen

○ Activities can swap out fragments dynamically (at run-time)

○ Fragments (like Activities) are controller objects

Question 4   0 / 1 pts

In ConstraintLayout, I want my widget to stretch to meet any specified constraints. I should set layout_width and layout_height to...

○ max

orrect Answer   ○ 0dp

                      ○ match_parent

ou Answered   ⦿ wrap_content

Question 5   1 / 1 pts

Which of the following is a short message that informs the user of
something and disappears after a short duration?

Correct!   ⦿ A toast

                      ○ A dialog box

                      ○ An alert

                      ○ A label

Question 6   1 / 1 pts

When setting up your project in Android Studio, if you call your main
activity QuizActivity, what is the default name of the layout file that is
generated?

                      ○ quiz_activity

                      ○ layout_quiz

Correct!   ⦿ activity_quiz

○ quiz_layout

Question 7   1 / 1 pts

In the CriminalIntent application from BNR, CrimeFragment and CrimeListFragment are both hosted by the same Activity.

Correct!

⦿ True

○ False

Question 8   1 / 1 pts

Which class or classes directly call the functions in CrimeDao?

○

The ViewModel classes (CrimeListViewModel and CrimeDetailViewModel)

○ The ViewModel classes and CrimeRepository

○ CrimeRepository and CrimeDatabase

Correct!

⦿ CrimeRepository only

Question 9   1 / 1 pts

In the Criminal Intent application, Crime objects are mutable.

Correct!

- ⦿ True

- ○ False

Question 10   1 / 1 pts

A fragment's lifecycle function `onAttach` is called before the fragment's lifecycle method `onCreate`.

Correct!

- ⦿ True

- ○ False

Question 11   1 / 1 pts

When you are running an application with a single Activity and you press the "Recents" button (the one that takes you to the overview screen), what callbacks are invoked on that Activity?

- ○ onPause, onStop, and onDestroy

- ○ onStop only

- ○ onPause only

Correct!

- ⦿ onPause and onStop only

Question 12   1 / 1 pts

In the CriminalIntent application from BNR, which class declares the Callbacks interface?

○ MainActivity

○ CrimeFragment

○ CrimeHolder

Correct!

◉ CrimeListFragment

Question 13   0 / 1 pts

In the CriminalIntent application from BNR, which class has a RecyclerView field?

ou Answered

◉ CrimeHolder

○ CrimeFragment

○ CrimeAdapter

orrect Answer

○ CrimeListFragment

Question 14   1 / 1 pts

A stopped activity is still in memory.

Correct!

◉ True

○ False

Question 15   1 / 1 pts

In our projects, we follow the new best practice of using view-bindings to access individual view objects. What is the old way of accessing view objects?

○ Accessing view objects using explicit intents

○ Accessing view objects using a view-model

○ Accessing view objects using layouts (XML files)

Correct!

⦿ Accessing view objects using findViewById

Question 16   1 / 1 pts

When you define an entity (with the @Entity notation), what other database feature must you define in the same class?

○ the type converter for the entity with @TypeConverter

○ the DAO methods for the entity with @Dao

○ the repository for the entity with @Repository

Correct!

⦿ the primary key for the entity with @PrimaryKey

Question 17   0 / 1 pts

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As a rule, BNR uses Kotlin "data" classes for model classes.

rrect Answer ○ True

u Answered ⦿ False

Question 18   1 / 1 pts

Which of the following annotations would NOT be permitted in a DAO class?

○ @Insert

○ @Update

○ @Query("SELECT * FROM crime")

Correct! ⦿ @Delete("DELETE FROM crime")

Question 19   1 / 1 pts

You have declared a Button object in your main Activity. Where do you add an onClick listener?

○ In the Activity's onClick method

Correct! ⦿ In the Activity's onCreate method after you have initialized the button

○ In a separate class that inherits from Listener

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○ In the Button's constructor (during initialization)

Question 20   0 / 1 pts

In the CriminalIntent application from BNR, list_item_crime.xml is the layout for:

ou Answered

⦿ CrimeListFragment

orrect Answer

○ CrimeHolder

○ CrimeFragment

○ CrimeAdapter

Quiz Score: **16** out of 20