Final Exam - Module E

Due May 11 at 11:59pm **Time Limit** 30 Minutes Points 18

Questions 18

Instructions

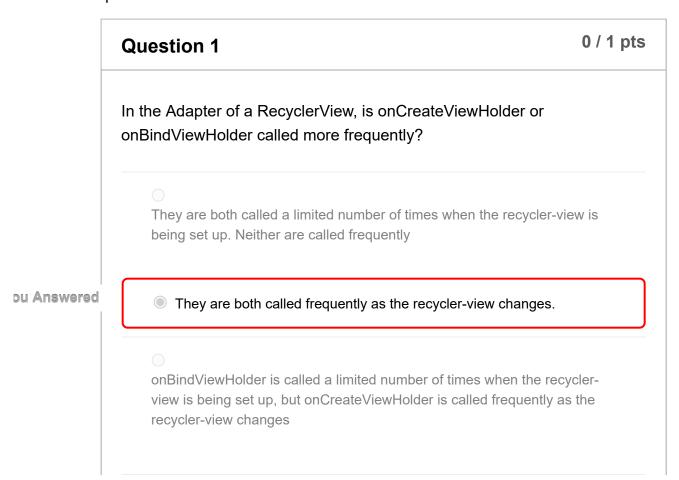
See the home page for the topics that the final exam will cover. This module has 18 question and you have 30 minutes to complete them.

Attempt History

| | Attempt | Time | Score |
|--------|-----------|------------|--------------|
| LATEST | Attempt 1 | 26 minutes | 15 out of 18 |

Score for this quiz: **15** out of 18 Submitted May 2 at 8:14pm

This attempt took 26 minutes.



orrect Answer

onCreateViewHolder is called a limited number of times when the recycler-view is being set up, but onBindViewHolder is called frequently as the recycler-view changes

| | Question 2 | l pts |
|----------|--------------------------------------------------------------------------------------------|-------|
| | Which sequence below shows the correct lifecycle order for an Activit that is starting up? | у |
| | onStart, onCreate, onResume | |
| | onCreate, onResume, onStart | |
| | onResume, onCreate, onStart | |
| Correct! | onCreate, onStart, onResume | |

Orrect Answer It recycles ViewHolders by creating a fixed number and rebinding their contents It recycles the same ViewHolder object for all contents It recycles information discarded by other views It recycles the contents of ViewHolders

| | Question 4 1 / 1 pts | |
|----------|-------------------------------------------------------------------------------------------------------------|---|
| | A bad sensor exhibits noise - random deviation of the signal over time. A possible solution for noise is to | |
| | Cancel ambient noise using a secondary microphone | |
| Correct! | Filter it out using signal processing techniques | |
| | Correct it using calibration | |
| | Moderate the sensor's temperature using a heat sink | |
| | | _ |

| | Question 5 | 1 / 1 pts |
|----------|--------------------------------------------------------------------------------------------------------------------|-----------|
| | Assume the view-binding in my fragment code has type FragmentMyDetailBinding. What is the name of the fragment's I | ayout? |
| | fragment_my_detail_binding.xml | |
| | my_detail_fragment_binding.xml | |
| Correct! | fragment_my_detail.xml | |
| | my_detail_fragment.xml | |

Question 6 1 / 1 pts

| | Which company developed Kotlin? | |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| | Google | |
| | Oracle | |
| Correct! | JetBrains (makers of AndroidStudio) | |
| | O Apple | |
| [| | |
| | Question 7 | 1 / 1 pts |
| | In a fragment, it is good practice to create a newInstance method called by the hosting activity. Where should the newInstance method declared? | |
| | as a method directly in the class | |
| Correct! | inside the companion object for the class | |
| | | |
| | Question 8 | 1 / 1 pts |
| | You cannot add an on-click listener to a floating action button. | |
| | O True | |
| Correct! | False | |

| | Question 9 | 1 / 1 pts |
|----------|----------------------------------------------------------------------------------------------------------------------------|-----------|
| | In the Android Application Architecture, a Repository can be us manage multiple data sources, such as a database and a web | |
| Correct! | True | |
| | False | |

Which method is typically used to register a fragment as an observer of a LiveData object? onViewCreated onCreate onCreate onCreateView

| Question 11 1/1 pt | S |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| In the CriminalIntent application, database access runs on the UI thread | |
| False | |
| O True | |
| | In the CriminalIntent application, database access runs on the UI thread False |

In our final Gallery application, where did we store (cache) the thumbnails? In a map of galler-item to drawable in the repository (FlickrFetchr) In a list of drawables in the GalleryViewModel In a list of drawables in the repository (FlickrFetchr) In a drawable property in the GalleryItem class

| | Question 13 | 1 / 1 pts |
|----------|-------------------------------------------------------------------|-----------|
| | In the Gallery application, what kind of component is FlickrFetch | r? |
| | ○ a UI component | |
| | a REST API component | |
| | ○ a ViewModel | |
| Correct! | a Repository | |

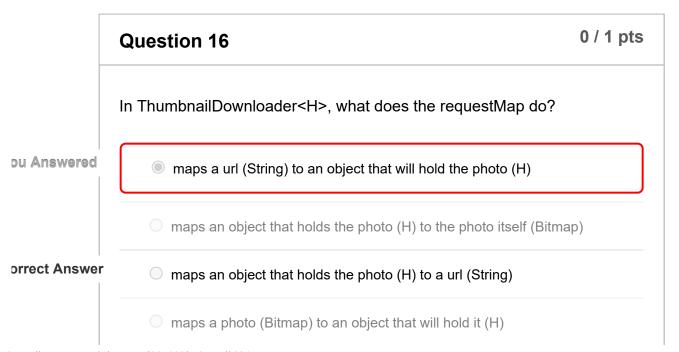
Question 14 1 / 1 pts

In CriminalIntent, RecyclerView items are displayed in a list; in PhotoGallery, RecyclerView items are displayed in a grid. What determines how RecyclerView items are displayed?

Correct!

| the | layout manager associated with the RecyclerView |
|-------|--------------------------------------------------------------------------------------------------------------|
| • the | layout resource (XML file) that holds the recycler view |
| 7 1 | ne of views that the RecyclerView holds (eg. Buttons are displayed in and ImageViews are displayed in grids) |
| • the | display method defined in the ViewHolder of the RecyclerView |

Question 15 ThumbnailDownloader has as access to two handlers: one for the UI thread (responseHandler), and one for the thread it starts (requestHandler). False True



| | Question 17 1 / 1 pts |
|----------|---------------------------------------------------------------------------------------------------------------|
| | In the final Gallery application, when a photo is clicked in the gallery view, which of the following occurs? |
| | the gallery fragment is replaced by map fragment in the current activity |
| | the gallery fragment is replaced by a page view fragment in the current activity |
| | a new activity is created, and it holds a web-view |
| Correct! | a new activity is created, and it holds page view fragment (which in turn holds a web-view) |
| | |

| | Question 18 | 1 / 1 pts |
|----------|---------------------------------------------------------------------------------------------------|-----------|
| | In the final Gallery application, which method in PhotoMapFragme queues a thumbnail for download? | ent |
| | onViewCreated | |
| | O onMarkerClick | |
| | onCreate | |
| Correct! | updateUI | |

Quiz Score: 15 out of 18