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reviewer1@nptel.iitm.ac.in ▼

Courses » Mobile Computing

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Unit 9 - Fragments, Files, Database

Course outline

How to access the portal ?

Introduction to Mobile Computing

Starting Android Programming

Android Application Basics

Activity

Enhancing Your Application

Intents

Fragments

Fragments, Files, Database

Fragments - Advanced Example

Implicit Intents

Saving Data - I

Saving Data - II

Quiz : Quiz 2

Security, Services, and Processes

Fragment Programming

UI, Adapters, RecyclerView

Quiz 2

The due date for submitting this assignment has passed. **Due on 2016-09-21, 00:00 IST.**

Submitted assignment

1) How is information shared between fragments: 1 point

- Object reference is accessed through the corresponding activity.
- Something similar to the intent mechanism is used.
- All information is made global so that it can accessed anywhere.
- Wrong question, information cannot be shared between fragments.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Object reference is accessed through the corresponding activity.

2) What is form factor of a mobile device: 1 point

- The hardware configuration of the device.
- The screen size, shape and layout of major components.
- Major selling point of the device.
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

The screen size, shape and layout of major components.

3) What is not true about FragmentActivity: 1 point

- It allows to use fragments in the activity.
- It limits the functionality of an Activity
- It is helpful when we want support for android versions before honeycomb.
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

It limits the functionality of an Activity

4) What is true regarding fragment lifecycle: 1 point

- Fragments do not have a life cycle
- Activity lifecycle do not affect fragment lifecycle

Advanced
Features

- Fragments have their own lifecycle
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Fragments have their own lifecycle

5) What is true regarding fragment declaration in the manifest file:

1 point

- We need to declare all the fragments
- We only need to declare all the fragments and not the corresponding activity.
- We don't have to declare the fragments
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

We don't have to declare the fragments

6) Suppose there is a screen which has a navigation drawer having a list of clickable items. Each item corresponds to a different screen and each of these screen has this drawer. Choose the correct option:

1 point

- Each screen can be implemented as a fragment of a container activity
- The drawer cannot be reused in these multiple screens.
- Fragments cannot be used in this case
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Each screen can be implemented as a fragment of a container activity

7) What is the use of back stack in an activity with fragments?

1 point

- It gives information about all the fragments in the activity
- It gives information about the previous fragment transactions
- It controls the lifecycle of the fragments
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

It gives information about the previous fragment transactions

8) Which of the following is true regarding fragments:

1 point

- It defines its own view layout
- Receives its own input events
- Is reusable
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

9) Which of the following is not a fragment lifecycle method:

1 point

- onDestroyView()
- onActivityCreated()
- onRestart()
- onDestroy()

No, the answer is incorrect.

Score: 0

Accepted Answers:

onRestart()

10) Which of the following can be a fragment lifecycle sequence:

1 point

- onResume(), onStop(), onDestroyView()
- onDestroyView(), onCreateView(), onActivityCreated()
- onStart(), onResume(), onPause(), onDestroyView()
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

onDestroyView(), onCreateView(), onActivityCreated()

11) What are the various ways by which you can develop fragments?

1 point

- Android support library
- Android OS implementation
- a and b
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

a and b

12) What does the onCreateView() method return if a fragment doesn't have any UI?

1 point

- It throws an exception
- Shows error
- Returns null
- It does not do anything

No, the answer is incorrect.

Score: 0

Accepted Answers:

Returns null

13) Where does a fragment reside?

1 point

- Android manifest file
- View Group inside the activity's view hierarchy
- Drawable folder
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

View Group inside the activity's view hierarchy

14) Which subclasses can you extend fragments from?

1 point

- PreferenceFragment
- ArrayListFragment
- a and d
- ListFragment

No, the answer is incorrect.

Score: 0

Accepted Answers:

a and d

- 15) Why do we use the support library for fragments? 1 point
- We don't use a support library for fragments
 - Support Library gets updated frequently
 - Support library provides backward compatibility
 - b and c
- No, the answer is incorrect.**
Score: 0
- Accepted Answers:**
b and c
- 16) Which of the following statements are true? 1 point
- A fragment and activity are the same thing
 - Fragments are used to make the code modular
 - A fragment cannot be used without a UI
 - Fragment if used once, cannot be used again
- No, the answer is incorrect.**
Score: 0
- Accepted Answers:**
Fragments are used to make the code modular
- 17) When is LayoutInflater's inflate() method called? 1 point
- inflate() is not a valid method of the LayoutInflater
 - While inserting a view containing a layout to the activity
 - When a layout needs to be added to the Layout.xml file
 - None of the above
- No, the answer is incorrect.**
Score: 0
- Accepted Answers:**
While inserting a view containing a layout to the activity
- 18) Which of the following statements about fragment lifecycle is false? 1 point
- Lifecycle of a fragment is independent of the host activity lifecycle
 - Lifecycle of a fragment depends on lifecycle of host activity
 - Fragments can be manipulated individually while activity is running
 - None of the above
- No, the answer is incorrect.**
Score: 0
- Accepted Answers:**
Lifecycle of a fragment is independent of the host activity lifecycle
- 19) When is the onCreateView() callback for a fragment called? 1 point
- This is not a valid callback method of a fragment
 - Called when a fragment has to draw its UI for the first time
 - Called when creating a fragment
 - None of the above
- No, the answer is incorrect.**
Score: 0
- Accepted Answers:**
Called when a fragment has to draw its UI for the first time
- 20) What is true about the onPause() method of fragment? 1 point
- At this point the fragment is always destroyed
 - Called when a user indicates signs of exiting the fragment
 - onPause() is not a valid callback method

- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Called when a user indicates signs of exiting the fragment

21) In which library, does FragmentActivity reside?

1 point

- Android Appcompat v7
 Google Mobile Services
 Google Play Services
 Android Support v4

No, the answer is incorrect.

Score: 0

Accepted Answers:

Android Support v4

22) Going from one activity to another, does this process support transition?

1 point

- Yes
 No
 Yes, with custom animation support
 Maybe

No, the answer is incorrect.

Score: 0

Accepted Answers:

Yes, with custom animation support

23) Can a Bundle object be passed from one fragment to another?

1 point

- Yes, but it will only work if the source and destination fragments are inside distinct activities
 Maybe
 Yes, using method setExtra() and getExtra()
 Yes, using method setArguments() and getArguments()

No, the answer is incorrect.

Score: 0

Accepted Answers:

Yes, using method setArguments() and getArguments()

24) When does commit() take place?

1 point

- Immediately
 After 1 second exactly
 Prior to activity saving its state
 After the activity saves its state

No, the answer is incorrect.

Score: 0

Accepted Answers:

Prior to activity saving its state

25) What is used to find fragments

1 point

- Activity
 Intent
 FragmentManager
 FragmentActivityManager

No, the answer is incorrect.

Score: 0

Accepted Answers:

FragmentManager

26) Which HTML element corresponds to a fragment in Android?

1 point

-
- <div>
- <html>
- <h1>

No, the answer is incorrect.

Score: 0

Accepted Answers:

<div>

27) Going from one fragment to another, does this process support transition?

1 point

- No
- Yes
- Maybe
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Yes

28) Why do we use fragments?

1 point

- They efficiently use space on wider screen devices.
- They solve compatibility issues for various screen size devices
- Reusable chunks of UI templates which can be used in multiple activities
- All are true

No, the answer is incorrect.

Score: 0

Accepted Answers:

All are true

29) Which of the following is possible?

1 point

- Get information of the fragment from an activity
- Get information of the activity from an fragment
- None of these
- Both a and b

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both a and b

30) What is the process of starting a new fragment?

1 point

- Overloading
- Transaction
- None of these
- Gradle building

No, the answer is incorrect.

Score: 0

Accepted Answers:

Transaction

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