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Errolloge -: . on tramborn
Naw: - CFIT-B
Batch :- 5B-1
Subject: - Mobile Application Development
Assignment:-01
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Assignment - 1
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and the second of the second o
1) Bosed on your understanding identify a recent business trend that has influenced the Android platform. Explain how this trend
imports Andraid aff developers and
businesses in the malile app industry.
Any some of the recent trends that has
influenced the Andraid flatform are:
is the rise of foldable devices: - Foldable devices
is the time of foldable devices: - Foldable devices have been gaining popularity in recent
years, and this trend is having a
significant impact on the Andraid platform
apartunities for Android aff developers. By
The ruse of foldable devices presents new opportunities for Android aff developers. By optimizing their affs for foldable devices,
developers can reach a new audience and
create more immersive experience for their
Rusiness in the makely all industry (and
Businesses in the mobile app industry can also herefit from the rise of foldable
devices For example, a business could develop
a boldable - triendly e-commerce at that
a foldable - friendly e-commerce app that'
and make purchases more easily.
I dela del de la constanta de
(ii) The rise of mobile gaming: - Mobile gaming
(ii) The rise of mobile gaming: - Mobile gaming is now the largest segment of the video

game industry, and Android is the most pop mobile gaming plotform. This trend is having Dignificant impact on the development and distribution of Android apps.

2) what is the furface of an Inflator of layou in Android development, and how does it fit into the architecture of Android layout in the purpose of an Inflator of layout in Android development is to convert on XMI happent file into a View hierarchy. This mean that the Inflator takes the XMI layout file and creates a corresponding View object for each element in the file. The View hierar is then displayed on the occurrence.

The Inflated is typically used by the Andre system to create the initial View hierarchy on Activity of Fragment. It can also be used by developers to create View hierarchically.

Here is a simple example of how to use Inflator to create a view hierarchy from an X Layout file:

Code:

"Cet the layout Inflator source Layout Inflator inflator = getlayout Inflator ();
"Inflate the XML layout file.
View view = inflator inflato (R. Layout activity

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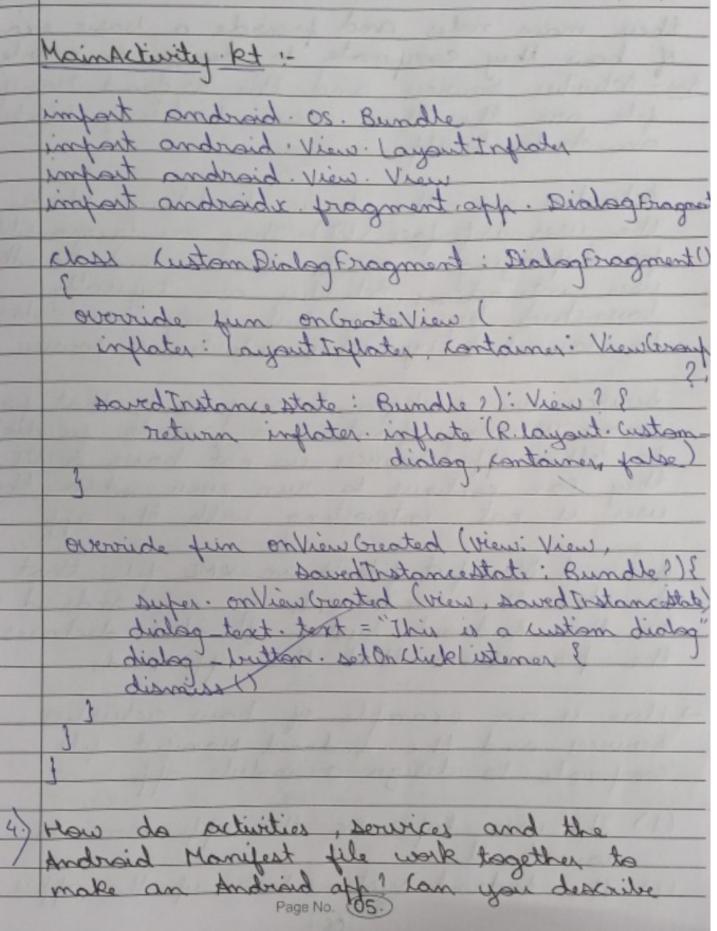
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	the transfer and the said and and and and and and and and and an
	1/ set the view as the content of the
	Activity.
	set Content View (view):
->	This code will inflate the layout file activity main and set the resulting View hierarchy as the content of the Activity
	activity main and set the resulting
	View hierarchy as the content of the
	Activity
1	
3.)	Explain the concept of a Kustom DialogBox in Android application. Provide examples
/	in Android application. Provide examples
	no minimum me me.
W.	A Custom Dialog Box in Android is a
	dialog box that is created by the dovelope which is used to display any type of
	Contact buch as text increased buttons and
	Rontent, Such as text images I buttons and other View objects Kustom Diolog Boxes are
	often used to display impormation to the
	uses to collect input from the user
	or to confirm a user action.
	the second secon
	Examples of Custom Dialog Boxes:
→	A dialog how that asks the user to
200	A dialog how that asks the user to confirm that they want to delete a file
7	A dialog box that displays a list of items and allows the user to solict
	were and arrang the user to select
	one.
	Page No. (03:)

of user sprintless of the soll palais the reserventers. Example: come file rade: (? "8- ptu = pribasons "0.0" = naison = "uty-8"?) (linearlayout ambra: android = "http://schemas. android atk res andrain andraid: hougest - width = "match - parent android: layout - height = "wrap - content" android: orientation = "vertical condraid: padding = "16 dp"> (Jext View txst-palaib/bi+9" = bi: biarbona andraid: layout = "wrap-content tretros-parw" = tugual: biarbro ondraid: text = "This is kustom dialog. andraid: textsize = 28 sp" /> < Button android: 'id = "@ + id / dialog _ button" android: layout - width = "wraf _ contint android: layout - height = "wraf _ contint andraid: text = "close" / (/linear Layout)



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their main roles and provide a basic example of how they coorporate to design a mobile. Android Manifer Activities, services, and the Android Manifer file are the three main building block on Android off.

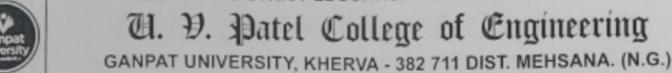
Activities are the basic brilding block; the user interface (UI). They are responsible to displaying a single screen and handly user interactions. Activities are typically launched by users, but they can also be launched by other activities or sorvices.

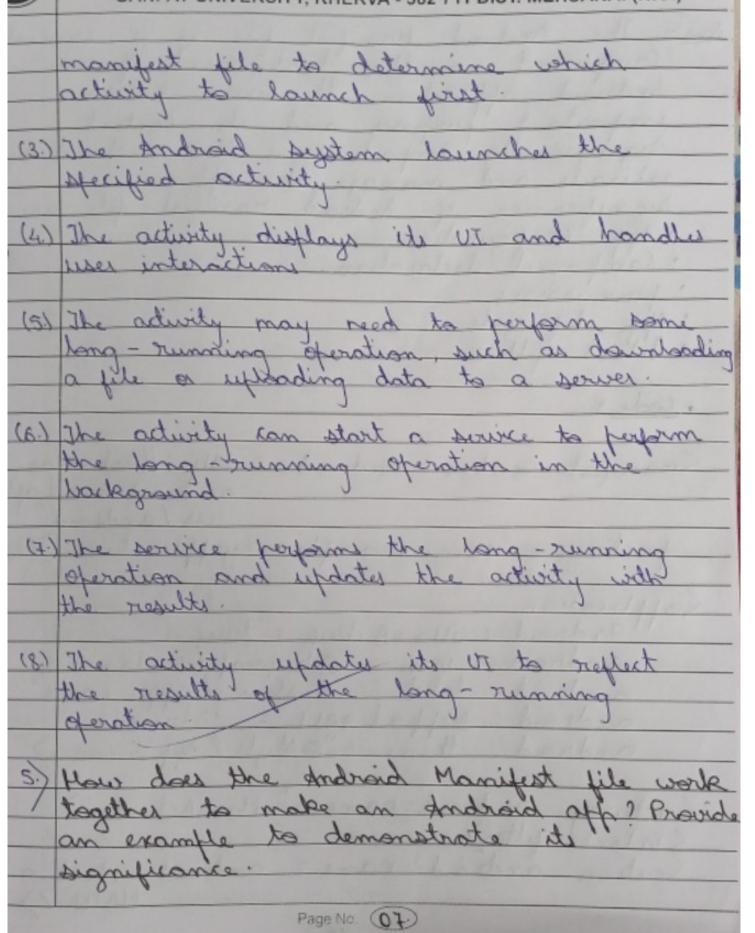
beruices are background components that for long-running operations or prairide function to other afts. Dovices do not have a UI, they can continue to run even when the user is not interacting with the aff.

Android Manifest file is an XML file that discribed and the components of an Android of the Android bierbonk It also declared the formissions that the aff needs.

Here is an example of how activities services and the Android Manifest file coorporate to design a mobile off:

(3.) The user tops on the aff icon to bounch it. I have books up the aff"





Aus: The Android Manifest file is a wright Component in the development of an Android application. It serves served important furposes and its content significantly imports how the android of interacts and manage the aft. Its are significance of Android Harrifest file as the Configuration of Component declaration markerment. Aff lifecycle · Intent filters. · roge : <manifest sembns: android = "http://schemos</p> 40 mas biorbina. res landraid package = "com. example. myapplication"> (afflication Incotron

(android: allow Backup = "true"

android: icon = "@ nifmap ic Jancher,

android: babel = "@ string off - name

android: Author SR+1 = "true" theme = "@ Atyle / Ap Theme"> : bierbna Lacturity android: name = "Main Activity"> Caction android: name = "android intent. ach

("MIN")

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	Keategory android: name = android intent. Kategory launcheil)
	Sindamed was to
	dintent litter
	Vactility
	(activity andraid: name = ". secondActivity") [deduce additional activities here] (lactivity)
	anaraa vane samaraa
	/ 1- it is
	Tachedy
	/
	Luser - permission andraid : name =
	marsa fermission.
	Tritint"
	<1-111:-+·
7	(manyest
1	
10%	what is the role of resources in Android development? Discuss the various types of resources and
-	maraia development? Discuss the
	yourses types of resources and
	their significance in presting well-
	structured afflications. Provide examples
	to clarify your points.
W.	Resources flay a fundamental rate in Andraid
	development by providing a structured way
	to manage assets, values, layouts and other
	elements. The various types of resources and
	their significance are :-
	The state of the s
(i)	Layout Resources: - and files in reslayout
	Page No. (09.)

directory It defines the structure and offering of user interface Example :and file: < Button andraid: id = "etid button andraid: layout-width: wrap-content android: layout - height = "wrap-content" android: text = " Nick me " /> (ii) Drawable resources: - Images and drawable in the drawable folder. It stores image, in graphics used in your app. Example: - 'ic_lourcher.png' is the app's burn (iii) String resources: - Strings defined in and fresent in resolvables directory. It stores text strings making it easier to provide translet and maintain consistency Example: (string name = "app-name"> My App (string (string name = "welcome" > Welcome (string) (iv) Color Resources: - Lober defined in semble file under restrolles. It stores color values, ensu consistency in the affis design Example: (Kolor name = "primary color"> # 007ACC (Kolo

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	the supplier was and the supplier of
(v)	style resources: - styles defined in and files under res/values. It defines reusable styles for UT components.
	Example: - (Style name = "MyButtonAtyle" > (item name = "andraid: back ground" > (item name = "andraid: back ground" > (Atyle) (Atyle)
	Dimension Resources: - Dimensions defined in and files under restratues directory. It stores dimensions values ensuring a
	Example:- (dimen name = "margin layout" > 16 dp (dimen)
(iiv)	Raw resources: - Files such as JSON data, audio video etc. Example: - Store a JSON file for app configuration
7	How does an Android source contribute to the functionality of a mobile application? Describe the function of developing on Android service.
AN.	andraid Survive contribute to the functionality of makile applications in a number of ways. They can be used to ferform long-running operations in the Page No. (1).

background, such as playing music, fetching data from the retwork or ferforming file they can also be used to interact with other afflications. Duch as providing data to a widget or handling natifications.

Examples: Examples :-Music Hayer affs: A music player aff might use a source to play music in the background, even when the user is not actually using the aff. weather afts: A wother aft might use a service to tetch the lastest wather forecast in the background, so that the usu can it as soon as it changes. You can use following method: on Start command (): when the service is sto on Bind (): - called when a client binds to th onUnbind (): called when a client unbinds of the service Once you have implemented these method you can register your service in the Android manifest file you can then start the service () method the start dervice () method from another component of the app, such on activity or another service. code :-; class Myservice: service () { overide fun onstart Command (intent: Inte it: pttropa Fit : south

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	3 return Dervice. START-NOT-STICKY
	override fun on Bind (intent: Intent?): TRinder? { Treturn rull }
<u> </u>	To start this service, you would call the start service () method from another component of your aff.
	bl intent = Intent (this, Myservice: class. java) Start service (intent)
	Olato Store
	Page No. (13-)