Soleinla Neutra 1 Eno no : 21012011141 Ganpat V.v. Patel U.v. Patel University Engineering U. D. Patel College of Engineering

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Assignment -1	• 1
Based on your Understanding, identify a sec trend their heir influenced the andraid pl	ent business
and business in the mobile industry.	app developers
one recent business trend their heir influ	
Services this trend is being driven by	of streamines
for mobile-first content and the convenier peryments.	ne of recurring
Here some specific ways in which the Jubso trend is imparting Android App develope businesses:	esiption-bused
offer subscription: As more unel mor	ns cinel
users attention and spending. This meun need to develop innovative and engagin	s their they
offer new opportunities for clevelopers of to monetize their capps. For excumple	senirces also and husinesses a developer o exclusive
	Based on years Unclesstanding, identify a see to end their here influenced the analysis of plexing here. The influenced the analysis of plexing and business in the mobile inclustry. One recent business to end their here influences of subscores that to the rise of subscores services this towned is being driven by Frestown, induding the increasing popularity. Services like netflix and distreys, the gree for mobile first content and the convenient for mobile first content and the convenient payments. Here some specific armys in allock the Subscorpe businesses. Truncased competition: As more and may offer subscorption based services, develope businesses are faurey insecured competitions and services according to the subscorpers of the develop innovative and engaging offer new apportunities. Subscription beased offer new apportunities for clavelopers of the monetize their apps. For excumple

Content or feutures. Or businesses and use subscription nent or fectures. Or wastomers with onegoing supposed Ganp

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New chellenges: - However, Subscription-based services all	>
Crecete new challenges too developers and businesses &	
example they need to develop and merinterin recurrent	
billing system s, and they need to provide high line	
of customer support to ensure their users cure service	
their service.	Jan

- 2. when is purpose of an inflator of legiout in Androis development, and how does it fit into the architecture. of curebroid luyouts of
- The purpose of con inflator to of the Ancisoid Leigous_ in Android development is to creek a view higrardian xMI lengous file. The view hierarchy is at tree of objects their represent the UI of an Anelvoid app.

The Influtor is used in a variety of pleases in a Android cipp. for an accomple, it is used to creeke the root vil of an activity or freezment , and to influte layout files for dialogs and menus.

11 Get the Inflator service. layout inflator inflator: (LayoutInflater) get Systems (Conteact. LAYOUT_INFLAX SERVICE!

11 In Fate the layout file "View souther = inflates. inflate (R. Layout mein-Activity

11 set the root view of the Activity Set Content View (2004 view)

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3	Explain Has Consolat of a constant Distant
	Andreid applications provides example to illustrate
Tile.	its ye use!
_	In android applications a austrem DialogBox is a
	pop-up windless that overley the current activity
	Charles of the interpolate certification
	getter threat or cushley Intermede m.
	Courten of austonie Malesa Box:
	Purpose: - Custom - diceleges are ased when you
	THE STATE OF SELLICE LINE IN THE
-	input est perfeum autons within a self contained,
of the	interrupts.
	THE CHIEF OF MICHAEL PLANTS AND ADDRESS AN
	Components: - à Custom divilie typicelly consists of
	THE THE PARTY OF T
	tells, turbred to the snewitic
	Interestion you went to failete.
	Quotismization: Develop
	Customization: Developers cun elesign the dialog's.
	Experimence, tongerest, and beheur on according to
	Their capp's bruneling con specific requirements. Their Customicution celleurs for Crentivity in
	design and functionality.
7.1	Custom disclare of Greating and aring a
	Custom diceley in Andread from
	a the case of the state of the
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fun Custom Dialog () L vul custom Dicelog = Dicelog (His) Val messenge Text view = custom Dialog. find view By CR id merray & Wal mokButton = assumDicitor. Find view Byon. message text View text = "This is a custom of OIL Button. Set on click Listener L

custom Dicleg. dismiss () & (cw forn Dickey . show (14

use cure of custom didwy Box: luyin conformat Dicelog Setting Informertoned pop up media pleybulle controls

- 4. How do activities, services and the Android manifest All together to make an undervid app? Our you describe the mein roles and provide a busic example of how they Cooperette to désign a mobile app?
- 1. ACHUITIES.
 - en an Android copp. They meinerge the user interfecte a user intereutions.
- 2. Services:

. Role: - Services are beulieground components their perfor-long running operations or heunelle tesses that don't -a user Interface. They can run even if the app UI not ve

3. Andwich munifest file:

Rule: The undroid memifest. xml file is like the aft they interest with the andwick system and another Other Components.

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EX	In unclosed munifest x mu, you specify which cultivities
	are peut of your cepp, their leunch moder, permissions
	and services deblessestions. This file als as a betweenist
	For undroid system to understand your
	app's Smeture and behouse as
	Class MeinActivity: App Compat Activity ()?
	override fun onereute Couveel Instance Stute: Burello ??
110	
	E oper on Cracte Couvert Instance State
	Set Content view (R. leyout cutivity main)
	steart Service Button. Set On Clicket istener &
	ved Service Intent = Intent (this, notificetion service
	Cleux-jours)
	Sturt Service Eservice Intent 12344
	dus volificationservice: Intent service ("Notification Service"
	Overricle fur on Hernelle Intent 1 intent: Intent?
	if c Build version-SDK-Int >- Build version color
	3
	veil neine = "mey cheinnel"
	well and Hiscorian Manney or a get fur fem anico control bicordion
	Maneryen-icleus-
	notification Munuyer Creute Protification channel
L ALLES	(cheund)
	val Builder: Nottficetton (Conquet Builder (this Cheuncht)
	· Set Smell Teen (R. chemales It Leuneher finegresch
	· Sex Content Text ("This is notificed on from
	Service's 2 3
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	Page No.

5 how closes the Androich munifest file impart the elevely, of an antivid application of provide on lacemple to demonstrate significance The unebroid manifest file is a Crucical Component University development of an analytical application. It serves sever important of an analytical content Content Content Content Content important purposes, and sto content significantly inju the andwid System interects with and muneyes you - App Consignmention . Component Decleration perm -- Intent filters . Applifetyte. ex < menifest ymlas: unelwid = "n++p: 115 chemees. cenebroid. com/ucinebroid" pullage = "com example, my App"> ZAPPLICEUTION cinebroid: allumbellep: "Free" cinelwid: I'Con := "Omipmeep IIc-leuncher" cinetroid: level: 1 @smng/app-neune" circlivid: Support 5R+1: "true" : anelwid: theme = " @ style 1 Apptheme" < cutivity condroid: noune: "menincutivity") cintent-filters acondovict cution condraid: neume = "cenebroid. intent MAINITY Cortegory andrerd: neine: "android.ircertegrery. leurether"/> <11 Intent-filter> clautivity> zcutivity unelvoid: neume = "second cutivity). . Declare additional althrities har-<1 cutivity> <user_permission cenebroid: neeme-'cenebroid. per

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-	- Acture require permissions here
-	- lapplicution>
-	meinifest?
5.	asket is the orde of resource in undroid
_	development 9 Discuss the various types of creserves
	and their significance in creating well-structured
	reints provide example to courity your
	- Reserves play a fundamental role in Android
	menerge cossels, belies, legents and other.
	themans osed in clour cup.
	1. Lucut Reservers.
	-type xml files in the rest leggest discettors
	-type xml files in the rest leaguest disertory significance: Define the smuture and appearence of the app's uses Interfuse
	= < Button
	condition : id = 'Wid I my Button"
	curetruich layout wielth: "coreep content".
	centroid : text: "clicle me"/>
	curetroid , text : "clicle me"/>
	2. Deenvelle Reserves.
	type: Threege cinel chroweleles essets in H
	- 1000 1 CDBHICTHEE 11 30 11 30 11 40 11
-	significance: Shore greephics, icons and images
-	Er . ic leuncher prog " is the cupp's leuneher vicon
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3.8 mines resource: type. String defined in xml files under 'sest values' significence: Snow that sning, medicing it ecosies to provide trenslations and menintern ansistency ex restratues 15ming. xml. 25 miny neime = "cipp. neimi "> my cipp < 15 ming

coming nume = "axlume - messenge"> welam 1 to my clope 13 miny >

4. Colur resource:

type: color defined in and files under swopy significience: Stere Color vulues, ensurony consistency the upp clesion

ses 1 values 1 colors. I'ml defines loter resources. color nume = "primery-color"> # 007ACC > (color) ecoler neume = "cuept_color"> # FFA500 < 1 certer;

7. How does an anetroid service contribute to the fund of the mobile cuplication? Elescribe the prevess of clarely ein Android Servia.

- convainations of android services:

Background Processing: souries allowed cypes to perform town in the peckeyreacenel without pool locking the user interface

e. Congranning operations: sources are ideal for hundles operations their require more time to complete, such such as pleying music

3. Inter. Componers Communication: services encuble components like cutivities browless receivers and other services to communicate with out other sources efficiently

4. Ofor ground Sewices. Anchord sources can run in the foregurind, even when the cupp isn't in the Sorgovern't his is oseful for feutures that require ongoing user strengther Mys Sherwitton.

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1	Office the services class: create a new Java of other lepter class that extends the service '
	Cleurs-overredes like oncrouse (, on Destroy)
	constitute on the state of the behavior
	on start commercelle to define the beheir
	ob yourservice.
	-
	2: Configure service in munifest delivere your sware
	in anurord meini fort. I'm file to informit
	androted system about its earstance and
	2: Configure service in munifest. Delere your coervice in constroid meinifest fine file to infrom the constraid system about its existence and configurestion. < service android meine: "my service">
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