

U.V. Patel College of Engineering

MEHSANA DISTRICT EDUCATION FOUNDATION SANCHALIT

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1		GANPAT UNIVERSITY, KHERVA - 384 012 DIST. MEHSANA. (N.G.)
_		MAD Assignment -1
_		
-	1-	Bused on your understanding identity a recent
-		There they have interpreted the Android
-		plain arm. Explain how this trend impact Android upp
-		developers and bywinesses in the mobile upp industry.
		Recent business trend which his influenced the
		Android upp industry is the increasing emphases on
		Privacy und dute exotection, Developers now meed to
		the meet for more solved science suling to
		Mechanisons with their upps. Business on the other
		hund, Mud prioritize user grivacy in their Android
		upp to brid and Maintain drust with customers.
		fuiling to do so Cur result in fines und legal
		Challenges, as well us a loss of wish drust and
	1	loyalty Additionally, brimess may meed to adapt their
		Monetization streetegies, as some truditional advertising
Ī		nethod their rely hearily an men Lutu may becomes
		less effective.
The second	- 9	
and the second		. When the surpose of un Influtor of layered in Andreil
Total Control		development, and how loss in fit into the webiteday
		of Android Lyon's!
- The state of the	\rightarrow	The purpose of un influtor in Android development
		is to take un XMI luyout file und. Convert it into
		Consessanding view objects there can be Manipulated and
		Lisplayed on the cerem. In other couls, id is
		used to dynamically Create the Miss interface
		wand to dynumically create the Miss interface

- applications. Provide examples to illustrate its use.
 - A Constorm Dialog Box in Android is a Popul window of developers (an Juign and Constornize to display information Options on actions to the over. It's a vasitile us element for showing alexes, imput forms, Confirmation— dialogs, on any other constorm interaction that doesn tit the standard layout of an Activity,
 - Ex: When you meed to provide a tailord riser experien on Justher specific imput thom the riser without an avigating to a new seven like alerting waxnings, and for imput at rundine like Jender, Neure, etc in for runting etc.
- 9-4. How do activities, services, and the Android Mairfile work together to make an Android app?— Can you describe their main roles and provide busic example of how they cooperate to tesign wobile upp?

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>	Activities Control 1 11 A A I 11 TO 11 11
	Activities, Services and the A Android Maintest file
	with its components of un Android upp, each
	with its own sperific pole in the overall explication
-	Activilia represent the
	Activities represent the over interface and Some as
	the entry points of on one interactions, Euch suren
	in Jour upp is Typically implemented us an Activity.
_	Services este la lare I am al 11 1 a a I
	Services are buckground components that gerform long-
	en une interfere The The descriptions that Jones Require
	extinities and was and of the
	Marie teteling duty for tasks like playing
	Morsie, Letching duty from the infernet on
	moning Periodic buckground. Processes.
_	The Mainfest file is a configuration file that
	Provides essential information about your upp to the
	Android system. It declary the upp's Component
	CActivites, Services, Broident Recivers), Permissions
	and other setting (intent filters).
	White is to do not be a second as it is a second
-5	How Loes the Android Mainfest file injust the
	development of un Android application? Provide un
	exemple to demonstrute the significance.
\rightarrow	The Ameroid Muinfest file Alege a cracial role in
	Android appe development us it seems en en bluepingt
	for the undereid openiting system to unlendured
	and interest with your upp.
	The state of the s
	Children Children
	Page No.

It inputs development in several significant like declining components, defining permissions, 7. filters APP Metadata, APP Entry Point 2). < Mainfield xM/m Foundroid = https:// scheme and , com (uple / hes landroid" Puckage = "com, excumple, upp"> < upplication undroid: icon = " @ Minmar / ic. lungcher" emdroid: lubel = " @ string (epp - nume") < activity undroid: nume = "MuinActivity"
undroid: lubel = " @ string/upp_num Lintent - filter > · Luction undroid: neure = "undroid. intent. en (entegory undroid : grame = " undroid : inten Cutegory, LAUNCHER "/ < intent - filter (lactivity) Luses - Permission undroid: mure = " undroid, Permissio 2/upplicytion> Intent (Muinfest)

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	Abono example of Maindert file Lescub decribes the
	Main Activida
	intermed permission,
	What is the tale of a way in I I
	What is the role of resources in Android development
	the veryong types of helowhere and their
	cherting well - 35/hmetared, experientions
	Provide examples to clarify four points.
>	Resonates
	Resonners une essential components that provide external
	assors and during to your upp, They play a charge.
	Role in Separeting content from code, enturing
	Muintaintibility, and adapting you upp to Lifterent Levice Configuration.
	district device Configuration.
()	XMI Luyants: theke these define the standard und
00)	apperience of your cipp,
11/	Druwuble: It store innuger, icons und gruphice mued
	in your upp. String.: It stones text and strings used in your
111)	Soldings. It solones text und soldings used in your
(V)	Color: It define colors used throughout the upp.
V)	Dimensions: It store municial yelves such as Marying
- 1	Pudding, simt feet sizes.
vi)	Lygont: It allows you to create resources folders for
	Litterent configuration, such us reven size,
	drientation und languages.
7.	flow Loves an Android Surice Compribate to the fun.
	of a Mobile app. Lescribe the process of Leveloping
	an Android Service.
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- -> Am android service is a component that run, in buckground, independently of the ruser interface, un performs long running operations or buckground. Services play a careful role in enhancing the function by and user experience at a Mobile application by enabling tasks that should confirme running even the upp is not in the foreground.
 - Android Service Contribute to the functionality on Mobile application:
 - Buckground Processing
 - Long Running operations
 - Inter Component Communicate
 - foreground rund buckground Service
- Developing un Android service involves the following steps:
 - i) Create a Service class: It is the class which extends the Service class or its Subclass, This will comfain the code for the tasks you was the service to perform.
 - (i) Define Service (on Mainsfest : It let the Androi System know about it.
 - iii) Start and bind to the Service!

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	on start-foreground. Service (Intent) it it's foreground
	an start Foreground, Service (Intent) it it's foreground
	Notice
	- to bind to a service (for More Complex interactions),
_	Mse bindservice (Intent, service Connection, int).
\	
V)	Service has a life cycle that implyed Methods like
	modella Company () and (m.) estroy ()
	continuent these methods to minuge the service?
	during its lideryele.
V)	In the Start Command () Method perform the buckground
	processing on long arming trules that the course
	is designed for
101	
VI)	Use Stopservice (Intent) on Stopself () within the
	service to stop it when the tasks are completed
	an when its no longer needed.
(iiv	Former Hild war solow and his
	m moting that you release any acquired resources
	stopped or distroyed to unoid. Memory leules.
	6/10/0
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