

MEHSANA DISTRICT EDUCATION FOUNDATION SANCHALIT H. D. Patel College of Engineering Ganpat university, kherva - 384 012 dist. mehsana. (N.G.)

	CARLOW CHILDREN IN COLUMN SOUTH AND
	Assignment-01 (MAD)
	TISTYTHIOTT OF (TIME)
Q.1	Based on your understanding, identify a recent
	bysiness Trend that has influenced the Androla
1111	platform explain how this Trend Impact Andrews
	app devloper & bysiness in the mobile app in harry
->	one significant trand that was shiping the Android
0	platform & the mobile app industry was the grant
	or progressive web APPS (PWAY) a threw impacts on
	Of HOW HIS teen Could Have inflated Android APP
	devlopers a bysiness:
->	Progressive web APPS (PWAS):
	PWAS are web application that others a mative app
	like exeperience within web browser they leverage
	modern coels technology to provide tegyvier as
•	offine, accept, pish notification a response design
	seamlessly an both desctop 2 mobile desce.
	add & mobile device
*	Impact on Android App Devippers!
. 1)	pediced Devlopment pflost: Devloper could choose to
	byild peaks instead of fruditional native and
	by ild persopment pflost. Devioper could choose to by ild peaks instead of fruditional native Androja cipps reducing the need separate cadebases a resonance for different platforms. This clay sake time
	for different platforms. This clay sake time &
	PHOSH.



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	The state of the s
2)	Cross- Plat-form compatablity: pwas are designed to
	work on using platforms including Android service
1 10 1	Could reach breider andignae with a single poop
	pertentially simplifying their Demopment and majorkis
	process.
33	Enhanced User Experience: PWAS can provide a smother
	app like experience to user including offine access
	a pyth notification persopers could lears on semport
	that experience aithout himg to comy about
	Plat-form - specific antaints.
*	Impact on Business in the Mobile APP Indy stry!
2)	Cost saving: Briling a poor can be more cost
	effective then devioping separate native apps for
	multiple platform This can bentit bysiness by
	reducing devlopment a maintainer expensel
	The state of the s
9 2)	colder Riech: can be Accessed through a web
	broade, or making them ascessible to browder and sence
- 4	culthant the need for upp store deenlocks This com
	coch byssiness reach user more easily
2	Improved Engagement: The app-like featurely of pwas
-	Sych as push notification , can keyd to morcused use
	engagenment
40	Faster UPdates: Updating a keep Is often dickers a
	more Strige forward then updating neutice apps
	through app stories.

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1114	GANPAT UNIVERSITY, KHERVA - 384 012 DIST. MEHSANA. (N.G.)
5)	pedyce friction: since pwas don't regype usorto Pristill
9	an app they can reduce the firstern associated
	culth app downloads.
-3	It's Important to make that while pooks oftens many
	advantages they may not be suitable for all types ar
	apps or byssiness.
022	What is the pyrpose of an Inplator of lyout
_	in Android development how does it fit into the
12	ejochyectype of Android layouts ?
->	Ignorts Inflator is used to oregte a new your car layout
	object from one of your xml lyouts find will sylve
17.	Just gives a response to a view than Has alovery.
	been courted.
the Contract	
1)	Dynamic UI creation: Android apps often need to
	create a display us components synamically based on
	web intoraction , duty or nathe conditions
9	
2)	Sepretion of Concerns: sepretting the UI layoust detinition
	(xm1) from the code that memor it arets maintain
	a clear separation of concerns.
2)	I had som some layoutt
3)	code peusablity: devlopers can rense layouts.
40	
7.5	localization & Thompy:
(3	ENERO DE LA CONTRACTOR DE
63	Eddiciency
60	Cystum views.
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*	HOW IF FITS Into the Architecture
7	Activity a Fragment! In Android Acetivities a Fragment
	are responsible for managing UI components.
1.8.	
->	Binding views: After Entlyting a layout Jerlopers
	often bind views to rangell in their code yours
	-mothed like (Findulew By Id!
-)	Event tignalling a Interactivity: Intigter allows for
	adaptiblity in us designi
9.3	Explain the concept of a CystomDialogBox in Anstorid
	applications: provide examples to illustrate its user:
->	In Android application a (Cystem Diaby Box" often
	is a UI component that allows developers to
	crafte a constimized pop-UP dialog comdows the
	can designe intermettin , collect user input, or
9	perstorm verious accetions.
*	HOW MOST;
	and the second section of the section of
4	Igyout Definition! Devloper Letine to 1944th for the
	cystom plateg using on XML layout file
->	Dalog Orecution: In code crystom Dialog II Cocated
	a associated with xm1 layout Devlopers com set
	properties for the dialog, such as its stee, 1416
	a specific behings.
	The state of the s



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->	DISPIATING the Dialog: When needed the Crystom
	Dialog can be displayed to the user
->	User Interaction: User can introact with the elements
	within the Cristian dialog entoing text, clickins
	bythems,
->	Handling Actions: Devloper can define cictions or
<u> </u>	event Handless for the UI elements within the
	Custom dialog to supone to user Imput or perform
	Specific Task
*	Examples
1)	
-	pyspose: A cystome Dialog for User login or crythmeeter
-	Igyord: The Dalog a "login" button e " Forgot"
	pussword.
0.0	How do Activities service a the Android majnifest tile
9.4	HOW do ACTIVITIES SOURCE & THE AMOUNT MATTERS FILE
	three main your a provide a paste example
	of how they coprete to Justign 4 mobile APP3
25.5	of how frog copyage to writing a median
-	In Android app devi-pount Activities senice
3	a the Android memifeld all cook together to
	Oreate the stouture of fynctionality
3	
1)	Activities!
-	Role: ACTIVITIES represent individual screens or vin
	interfaces is an Android APP.
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11 15	GANPAT UNIVERSITY, KHERVA - 384 012 DIST. MEHSANA. (N.G.)
	Example - Imagine a simple email app with two activities: one For composins emails a gnother for your the inbox.
2)	Service:
	Role: Serice gre byckgrown & components that poston
	long-runing operation without quer Intertuce
•	Example: In our emails app example a since could be used psinistantly accert for new
	emujis in the background a operate intox
	Android manifest till:
	Pole: The Android Mynifest. xml File P 4 contiguration pile that define essential information about the app its components and regulate permission
•	example: In the manifels fill you, specify which activities a consider the APP continues there
	grang other thinss
0.5	How does the Android Manstest File impact the
	depoperament of an Android application of provide on
	example to demonstrate It's significance
->	The Android Manifest file is a critical component
	In Android app deviopment it served several
1 0 2	significiand pyrpose that impact the Jeropment and functionally of an android application.
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I Comme	To the blot, marton way
*	Example:
1)	Component Jeclarution: The Android Manifest file is
	where you dedge all the component of your
	And roid application, including altivities, survice
	brodtext regions a context provided
	<application></application>
	< activity android: name = "manin Activity")
	(intext-Filter)
	(Action comproid: marrie = "android, intext, Action, Major")
	(cateory antroid: mane = "andowld. Inter. category. LAUNCHER"))
	(/imput_Filter)
The same	() activity)
1	(service android: name= "my sonice")
	(rectiver android : name = " my peoper" 1).
	L provider
	android : nam = ". My context provider "
	ansois: "com. example, my app. provider ">)
	() APPLICATION).
k	
2)	Application configuration: This includes setting the Apps
	theme, 197, 19 bel union information 4
	Jettning the minimum Androld Aps level
1	segrised
1	
->	(Application
10 60 22	android: Ican = " @ Joquebu 19pp-ican"
1	android: 19bel = " @ string / 9pp_name"
	and soid: theme = " @ style / App Think
-	971501 = 91100 baday = 1 +mull
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	- 304 U12 DIST. MEHSANA. (N.G.)
	android: version code = 11211
	9n2roj2: versjonname= 11 2.011
3)	Permission: your sellore the permission your app requires
14	to Access system response a July sych as the "
	Camra function Intent
->	LUSer - permission asmin: name: =" android. permission . CAMERA
	2 User- permission android: name = "android. permission. Access FIRE -
	LOCATION/)
4)	Intext Filters:
5)	App permission:
6	What Is the role of resource in Ansvoid Levlopers
	Discuss the versions types of desagre a threw significan
	in creating cell-Stonary application provide
	Examples to clasify your points.
\rightarrow	Resorrce goe the additional files a state context the
	your code uses such as bitmaps layouts detinition
	User interface string, animation instruction a more
<u>-></u>	pesouce are used for Anything From Letning colors Image
	length men a! String lake
*	Resource types overyous:
^ •	
0	Animation resource: Define pre-determined commentions
	from a Jrawble class
	from 12. Isquosa CIIIs
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GANPAT UNIVERSITY, KHERVA - 384 012 DIST. MEHSANA. (N.G.) color stelle list resoyace: Define a color resurre that Changes based on the your state saud in mes 1001 or a accoused from the R color ciris (3) Doycoble resource: DeAne rygions graniz with bitmaps or xml layout resources: Dettone the layout OF your application is (4) (3) meny reserved. Define the contest of your upplication mony (6) String resurce() (7) Style resayree: Define the 10014 & Formate For UI lucx wi font resources petine pont fimilies so make com 8) tunts in xml How Joes an android senice contribute to the Functionality of a mobile Application of Describe the process devloping an Androja Senice Decigoe the senice in the Manitest: in the Android manifest xm1 File decise the serice with its name e imprets pater ¿ serge android: nome = " my sentre "/)

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3)	Implement the service Fynchismality: Write For the service
	inside the overmidde method
4)	Steppet the service: To steppet the service except on
_	Intext that Spelitted the services class e call
	c start service() ' with the Intend.
(-1	
(1)	optionally Bind to the service:
6)	Stap or washing I throw the comite and own
65	Stop or unbind from the service: you can stop a service using a stop services; or unbinding
	From Using it cunbing Service ()."
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	The same of the sa
	The life was the same of the s
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