Clyon: - CEIT - B BAtch: - 5B-4



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	Assignment - 100000 00000000000000000000000000000
HEC ALE	growing spring of horn out to pulliand there are
11	Bused on your understanding, identify a recent
	business send that here inflyenced the Androd
	platform. Explain how this trend impact Andriod
	app developers and businesses in the mobile
	upp industry and the said hat about the
	an plog ressive web upps we web upp that ofter a native upp-like experience but use built using
A -	a mating and live or second but all print
	eigh technologich
	- Hele's how this teend could impuct And sind upp
The same	developes and businesses in the mobile upp
The same	indust81:
	2) (8096-Plut form Compertibility:
100	- PWAS can syn on any pattern with a modern
	web blowses, including Andried.
	cieva bico aurichus tapan la sa sui da
	2) Improved pestosmunie:
THE REAL PROPERTY.	- PWAS use designed to be fust and efficient
1	Providing a smoother user experience.
	a) Reduced App 37080 Dependency.
	- This can be beneficial too businesses looking
THE RES	to which quickly of avoid upp store fees.
	4) offline functionlity!
	- PWAG can work offline, cuching content and duta
	This cupability challenges Andriod CIPP dut developers
	to implement similar offline features in nutive
	upps to semain competitive.
	Page No.

- 5) seekch Engine visibility:
- PWAS use easily discoverable by seusch engines, Potentially boosting a buginesse's online Pasence.

a constability

- 6) cost-effective muintenance: -> muintaining a single part codebuse is often mode tost-effective thun munuaing sepusure codebures for Analiod and other plutforms.
- 7) USER Experience:
- poors aim to Provide seumless user exprience, including Rish notifications, which were Previously a nutire app feature.
 - It's eggential to note that while pours offer several advantages, they may not be suitable for all types of applications. The choice hetween - developing a nutive Andlied app ox PWA defends on the specific requirements of the project, target audience and business

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9	The state of the s
5	what is the purpose of an Inflator of largert
40	in analied development, and how does it fit
	into the aschitectuse at Andsid layouts a
>	A luyout Influtes is a esucial component used to
	cheate view objects from XML layout resource him
	at suntime. It must be such an electric to
) .	Puspose of layout Influtes:
	- noitus and III constition -
(A.B.)	- Andrive applications often sequile dynamic used
1	intextures that can change of adapt bused on
	uses interactions of other fuctors.
	Silver and the second of the s
· raine	e) sepulation of concerns:
	-> Andriod encourages a separation of ten concerns
	between us design and application logic
240) SER	regard anflutes facilitates this segulation by
10 16	ellowing designeds to work on ut layouts in
0	xm2 files. while developels cun forus on the
indian.	Code Togic! brancher was acquired the
	CHOICE OF THE STUDIES AND AND THE STUDIES AND
1	How it fits into Andriod wyout Aschitecture:
For Service	2) layout xm1 files! -
	- Analied lugarity are typically defined in xmi files
	that specify the stanctule and appeausance of the
	york intelluce elements.
	2) REGOURCE IDG: Duking the build Proces Andried
THE WAY	generally in a die strong sof at electron in general
PENERS	merking it accessible through the cluss.
	Page No. (2)

3) Activities of Exugments!

-, within an Andried activity of Fragment, Jou can the month in the state though a part xmz file into a view higharchy.

a) event Hundling and logic:

- with the view objects in place, you can implement event hundling and application lugic to sespond to uses interactions or duta changes

- 0-3 Explain the concept of custom Dialog Box in Andriod applications. Provide examples to illystate ith NGP.
- -> concept of a custom sialog Box:

2) rystom 144047

-> DEVELOPERS design a motor xme wyout file that defines the appealance and content of the Dialog.

e) Dialog instance:

- In code a custom divilog instance is executed and aspeciated with the custom layout.

3) USER interaction:

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-s event linteness are affected to the UI elements within the custom dialog, allowing developers to sespond to uses interaction, such as button clicks or text input

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		example: - demertanos baixes sua Asis asistas asistas estados
	CU-FE	Diving (votom Diving = new Diving (context);
	CAN	(45 tom Dialog. Setcontent view (A. layout, (45tom, dialog - layout);
1		cystom Dialog. Se gyest window feature (window. Fluture_No_Title);
24		1491611 State J. St. 1491 William Control of the Co
-11		Text view dialog Text: Notom Dialog. Find view By Td (R. id. dialog text);
-		TEXT WED didnot lext: Wotom Did ld. Hing weard to it close suffers
-		Button close Button: crotom Diulog. Findriew By Id (R. id: (1090 Button)
-	La Lab	100000000000000000000000000000000000000
-	2	dialog Text. Set Text ("This is a custom dialog!");
- 1		close Button, getonclickligtenes (new view, on click lightenes () 2
		96igkapo @
4		Public void onclick (view v)?
		eystom siulus, dismiss ();
		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
1	100 7 100	The state of the s
Ī		talaham Diula Charles:
1		eystom Diulog. Show ();
d -		
-	0-4	
1	3	file work together to make an Andriod appearing
	1000	you describe their mein rolls and provide a busic
		example of how they cooperate to design a mabile
		4860
	-	2) (1/4) 1/4 1/6 1/2
		- Role: activities sepsebent individual gestens os ut
	No. of the last of	components in an Andriod upp. They manage
	B-1	the uses intestace and uses interactions.
	100 Mars	THE GOOD IN MORCHE CAND GOOD INTERMICATIONS.
	Sanutali	I so feeled to describe its of a second seco
	A WEST BOOK S	

e) 682vileb :.

- Role: Bervices are buckground components that perform long sunning operation or hundle tugks that don't sequile uges intextue

3) Andriod Munifest file:

. Role: The Andriod Munifest. XML file is like that app's bruepsint. It declares the upp's companents. and defines how they intoxuct with the expers and other components

example: 2 MADIN TO CAMPY WHICH FAIR SIMINING THE WATER AND THE SHOPE

clubb main Activity: ApprompatActivity () & Overside fun ontreute (guved Instance Gtute: Bundleg.)? gutes, onclute (suved Instance state) set contentview (R. luyout. activity-main) 5 rult 502 ville Button. Set on Click ligtenes ?

rul service Intent = Intent (this, Notifuction service: clussiunstut service (service Intent) y y

clubb notification service: Intentservice ("No tification service") overside fun onHundle Intent (intent: Intent?)? if (intent:= m11) }

cheutenotification () 4 4

Private fun Meute notification () ?

NUI (hunnelID = "my cheinnel"

it (Build. region, GDK-Int) = Build, region- codes of

nul nume: "my chemne"

NUI notification munuges = get 6/6/6/19 Em GPSNile (notification munuges = 1 (1455_

Notification manager. (seate Notification channel Cohannel)



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ral Buildex = Notification comput Buildex (this, channel TO) . Getsmull 2 con (R. d & wuble ic lunches + 08 y & ound) . set content text ("This is notification from gorvice") 8-5 How does the Andriod munitest file impact the development of un andriod applications provide un example to demonstrate its significance. athe Andried memifest file is a (Sucial component int the development of an Andriod application · APP (untigulation - 10 m ponent peckelulion · Intent tiltels . App litecycle. Prumple: 3 memiters xmls: undsied: "http://gchemus undsied. (om 4913/885/ undsidd" Purkage = " (om. example myapp") 1 upplicution andfied: allow Buckyp: "4846" undsid : "un: "Omigmup lic - woches" undlied : lubel = @ 6thing | app nume" unaliva: Yound I (on: "@ mifmit / ic - lynches gund" undsied: gyppost gat 1 = "xxye" undlied: theme: "@ Style / APPTheme"> ¿ "ctivita nium. " : somur : boilbar ttivita 1 intent - filters < cretion undlied: nune: "undlied, intent action, MAIN" + Lintent. Filter) * luctivity)

< activity undsoid : nume = ". second Activity"> -- Declare additional activities here --

< lactivity) < 4588-permission undrivid: nume: "undroit. permission. INHIH"/

(application) 11 munifest > minifest of the manufacture of the ma

Da Miggio (Will Styne Charles L. O. C. March 1) 8-6 what is the sole of sesousces in Andriod development? Discuss the rusions types of sesonsles and their significance in executing well- structuled applications. Provide examples to clusity your Points.

-> The vusious types of legousles and their significance with examples: 1) las ent Albans (60): 111 Papara Maria Para

- type: xmi tiles in the 'les/ wyout' directory. - significance: Define the structure and appearance of the upp's roes intesture. STATE TO STATE TO STATE TO STATE

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ment of a state of the state of the same of the state of the same of the same

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andrive: id: "O+id/my Button" "+ not no - qukw" = 4+6; w - troen : boishno undsidd: lagout _ height: "whup lontent" undsied: text = "click me" /s



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	A SHIP AND
	2) Digwaple Resources!
	- type: Imeiges and asywysle unsets in the
	'sepldsuwyble' disectors
	- significance: Store gruppich, icon und images
	when in John appire
	ex: ic lunches pas' is the app's lynaches icon.
ACL C. T	THE THE RESIDENCE OF THE PARTY OF THE STREET OF THE PARTY
	3) 548 ing Rebources:
1	+ype: string defined in xm1 tills under 'ses/vulves'.
	Bignificance: 5+62e text strings, merking it eusies
	to provide trunslutions and maintain consistency.
	ex! restring nume = " UPP_nume"s my APP 21 strings
	2 string name: "welcome_measure"> welcome to myare
	2/3+8ing)
	The state of the case of the court of the control of the case of t
	b) to los Reboystes: Months Houten burks at Mark
	-type: (0/085 defined in xm1 files under 'ses/vulves'
	- 513 miticunce: 5708e (colos nulves, ensusing consistence
)	in the upp's design.
THE RESERVE	example:
	"SES VUINES / COLOSS, XMI defines colos sesonsces.
	< 10108 nume = "Phimult_10101" > #1007A((10108)</th
	10108 nume = " 4(cent _ (0108") # FFA 500 1 (0108)
4	
	5) Style Resources:
4-19	type: style defined in amy files under 'ses hunes'.
	significance: Define sensable styles tos VI components
	THE PERSON OF TH
NO REPORT	

examples:

Let 16 Loson - "Landring : "Loson & color the month of the service of of the

e) Row Reboulles:

- +766: tiles stored in the , Yee) rum, girectory.

- significance: 6tore non-xone files, buch as 1500 delta, andio ex: 5tore a 1500 file took app configuration.

- 6-1 How dolb an Andlied service contribute to the functionality of a mobile applications Describe the Process of developing an Andrica service.
- _ contributions of Andriod gervices:

2) Back & sound Processing:

-> GRAVICES allow apps to perform tustes in the buckground without blocking the user inter fuce.

er long - Running operations:

sequire more time to complete,

3) Inter - component communication:

- services enuble components like activites, broudcant receivers and other services to communicate with eachother efficiently

4) Define the Gervice Clubb:

-, cheute a new Junu of Kotlin cluss that



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	By process of peveloping un Analiod Gerrice:
	sind entire a minimum of remarkant desperant
	Define the service cluss:
- 20 10 10	- cheate a new Jany of Kotlin class that
and the sales	extends the 'GERNICE' cluss.
	MALE RESERVE THE REPORT OF THE PROPERTY OF THE
	21 contidule gesvices in munifest:
	- Decluse your service in the Andrica munifert xml
	file to intolm the Analiod system about its
	existence and configulation.
	« service undriod: nerme: " myservice"/s
	3) Stult of Bind the gervice:
	- Decide whether you want to start your service
	or bind it to other component.
	b) Implement besville logic:
	- In service class, implement the specific legic
•	JOUR GERNICE needs to pertorm its test.
	5) Hundle Litecycle:
	- Afleube Resources when they'se no longer
	nelded and considere using 'stopsolk()' of
	· 15 to Psesvice (7'o
	6) foxeground services (optional):
	- It your sprice needs to sun in the foreground,
	's tus t to seg sound ().
14.14	对自己的对象是一个人的对象,但是一个人的对象,但是一个人的对象,但是一个人的对象,但是一个人的对象,但是一个人的对象,但是一个人的对象,但是一个人的对象,但是

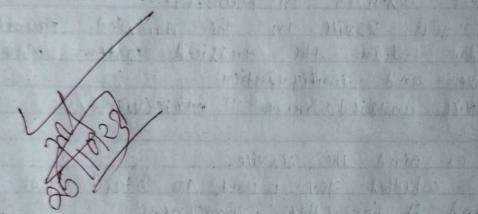
Page No.

a) oftimization:

-, optimise Jour Berville for Performence und Rebourse efficiency to minimize butters usugo.

8) then Hundling and wagging:

- Implement Proper expos heindling and mechanisms to diagnose and address issues that may ocius while sexvice is sunning.



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