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	aginaloudar agregator or intermediation of the
	MPL Assignment - 2
adam b	At wellering to the or from a North and Haire to Burger as it is
QD	Define Progressive web App (DAD) (PWA) & Explain its
	significance in modern web der. Discuss the key
	characteristics that differentiate PWA's from traditiona
	mobile apps-
(c)	A progressive web App (PWA) is type of web application
	that works like a probile app but runs in a browser.
	It can be installed on a device works offline &
1.000	provides afast & smooth user expenses.
	Significance of PWA in modern web dev.
	cross platform compatibility
•	offline support
	Fast performance
	Coaxer development cost
<u> </u>	
And the	Apps 24 + Com and discontinued by the state of the sta
Walson	Reatures PWA traditional Mobile App
•()	Enstallation Direct from Download from
	browser App store
•	Internet works offline with usually requires
1 / 2 ×	required caching internet
	Performance Fost with service Faster but nexals
7 - 11.2	workers installations
4	opdate Automatic no app manual updates
7523	store approval needed.
•	Dev cost 10 wer Higher
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	NAME: SIDE APRICED & explain its importance
Ø5)	in the context of PWA compare & constrast
	in the context of pwa compare & corsinast approact
<i>→</i>	Responsive Web Design (RWD) is technique that make
	web pages adjust automatically to allie an society
in the second se	sizes & devices. It ensures a good user experience
	on mobiles, tablets & desktops without needing
	separate version of website.
	Emportance of responsiveness design in PWA
•	Bester user exp - PWA's work smoothly on any
	device
	Faster load time - optimized design improves speed-
	SEO Benefits - Google ranks responsive sites higher-
•	Cost effective - No need to design multiple versions
	for different screens.
	Comparasion of web design approaches Approaches How it Pros Cons
	Revolusives users flexible works on can be
	Responsives users flexible works on can be grids & css all complex
	media queries devices to
	to adjus layout design
	10 00905 1009001
D	Floid uses percent based works wellon less
	widths instead of different control over
	fixed pixels so screen sizes layout
	elements resize easy to on large
	smoothly implement screens
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	Adaptive	layouts the	at k	Potimized by mo chown screen re- sizes to screen	quire design by
	Key differer	nces	Ligaroti.	Hand The Tive	
				all screens. + be fully a pr bosed on device	
<u>Q</u> \$)	Describe the	¿ Lifecycle wo	phase-	choding to regist	tation
	A Service a	borkers is a s	icsipt that	trons in the bo	ackground 8,
	send push	notification i	4s lifecy	de has 3 main	phoses.
١٠ /٠	Registration	Phase	BARY INDI	in administration of the contractor	1 2 A
	£ 1	7	he source	ce worker using	75.
	Ex:- If ('Service	e worker in	navi gat	3670	1
	navigator	service work	Ken reedis	Per ('/sw.js')	17 \ \
	- then (C) - cotch (er	-> console, log	e, log (R	egistration failed	ed));
	This tells	the browser	to inst	all & activate	the
	service u	orker installa	Vion Pha	36	E-1
			To State of		
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Explain the worker of	use of g	ndexed	03 in the system sex	Nice	
NT 70 924	dexodoby in	SPAN, CD	coarker for data		
Storage In	dexed Da is	a brown	user dutatives that		
stores large	amounts of	Structur	red data like TSON		
of objects. It holns Place? K offling he souing.					
& retrievin	a data effici	jerth,		J	
why use t	ndexedos i	n service	e workers 1		
Office supp	ort-Stores	data w	nen offline & syncs		
	rage - Saves	structo	rod data like user		
setting cost	Hems or for	rm is i	neuts-		
Faster Acces	s-Retrieves	data	wickly without need	عمنا	
a network a	reguest.				
Persisent Dorta - Data remains saved even after the					
		100			
fa affa					
How service	e workers	use Inc	Hered DB 2		
opening the	dostabase			75	
1et db					
let request	= indexed DR	open (My database)		
request.	on success =	tunction	(even) t		
	event tour	get · resu	\ +		
9;					
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	Bxplain the worker of Use of In Storage In Storage In Stores large of objects. 2 retrieving why use to Office supp it later. Efficient sto setting cost Faster Acces a network a Persisent Do browser is How service opening the let db: let request request. 3;	Explain the use of p worker of data storace Use of Indexed PBy in Storage Indexed DB is stores large amounts of op objects. It helps PS & retrieving data efficient why use Indexed DB is Office support - Stores it later. Efficient storage. Saves setting cost items or for Faster Access-Retrieves a network a request. Persisent Data - Data browser is classed How service workers opening the database let db: let request - indexed DB regulation on success = db = event. take 3.	Explain the use of Endexed worker of data storage. Use of Indexed By in Service storage Indexed By in Service storage Indexed By in Service stores large amounts of structure of objects. It helps PWA's we be retrieving data efficiently. Why use Indexed By in service Office support-Stores data which the later. Efficient storage. Saves structured the Index. Efficient storage. Saves structured the Access-Retrieves data of a network or equest. Persisent Data - Data remains or form is classed How service workers use Indexed By open (request on success = function do = event target resured).	Replain the use of Endexed DB in the system ser worker of data storage. Use of Indexed By in Service worker for data Storage Indexed DB is a browser database that Stores large amounts of structured data like ISON OR objects. It helps PWA's work offline by soving Why use Indexed DB in Service workers? Why use Indexed DB in Service workers? Office support - Stores data when offline is synce it later. Efficient storage. Saves structured data like user setting cost items or form is inputs. Faster Access Retrieves data quickly without need a network orequest. Persistant Data - Data remains source even after the browser is classed How service workers use Indexed DB? opering the database let do: let request: indexed DB open('My database'), request: onsuccess = Function (even) db = event tanget result; 3; Core	

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	request one	parade nier	eded = fu	nation (event)	15		
	1et do = 1	ment tange	4. resul	416 m. 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the second of		
4 1	let store	= db. crea	ate Objec	1 Store ('users' &	& Keypatt		
	id 3). At the second process of the second p						
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	2;	- Juliani.					
	Fetching Do	Ja in serv	100 WOY	Ker			
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