	Nama : Amia Mi	mai Mallani		
7	Name: Hicka	a funil patil	[DISB-42]	
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		MPL Assignment 02		
		0		
	Define progressive webapp (pwA) and explain its Bigs in modern web development Discuss the Key characters public apps.			
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	801n:-		4	
A proparessive web app (pwA) is a type of web capplication that works like omobile capp but mins in a boowsen				
19VIII	that works 1	ike omobile com but mine	ion passion	
0	Significance of put in modern web development:  1. Cross- platform Compactibility.			
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d Greater of	2. Offline	grobbert.	and the book of	
Harryon -	3. Fast Newtonmance 4. No cup o Start regiment Cost			
		The property Cost		
	Deference in put & Traditional Apps:			
		The state of the s	14 pps ==	
	Features	PIDA ANTALAM	- I lui - I aaa	
	Carajes	PwA sometime?	Traditional App	
0	Installation	Direct from	74 1 10	
	+1(8)(4)(4)(4)		Download from	
		Bernser	Abb space.	
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	Internet	Mork offline	Ubually require	
	Required	with eaching	internet.	
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201	and Harmondal	moukers	installation.	
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	rinda ter	Automatic	Manual.	
1.6	updates			
		Lampe	1-1111/2000	
- 35284	Development Cost	Lower	Higher	
	Cost			

Perine responsive web design and explain its importance inthe context of budgersive nep. Apps. Compare and continuit responsive, fluid and adaptive web design approaches. Koln & Refinition of Responsive web design :-Besponsive web design (RWD) is a technique that makes web pages adjust automatically to different screen size and dentier it ensures a good uper exterionce a unopile on mobile, tables and desktops without needing separate Version of website. Importance of Kesponsive Design in pungs. Better Mer Exterience 2) Faster Loud Time SEO benefits Cost effective. Comparisons :-Cons How it works Pros Approach Can be Raponsive une flexible grids mouks on and cosmedia all devices coulsex queries. Use % based widths Work well Less Fluid on different Congress pulled offixed lixels

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120	y difference ?-			
	D Responsive adapts dynamically to all Jameens			
	2) Fluid resizes erosofly bout may not be fully optimized			
1	3) Adaptive loads different layouts based on device type.			
	and a contractor of country is a second of the			
7	Describes the literyole of sensices workens, including			
	registration, installation and authorition phases.			
	30/n 30 to the survey of the s			
	Tite chose of senines moukens :-			
	by sensices mousieur 10 or goestly that wins in the peroximon			
	- und and helps a web copp work offline, local faiter and			
11	soud broup voritionals. it? Itherarche parties won bravers			
Lyn I	3 Registration Phase.			
	:- The proposer registerthe bernice worker using			
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	it (, seurice marken, 10 vanidator, ) g			
la l	. Hen () => consok log (, service bedisteren,)			
	(august 100 gennice gedintened)			
	· coulch (error =) console. log ("Registered failed:"			
	· corter (secure =) contole log ("Registered failed:";			
	1 6 3 G Ship of the amount of the state of t			

2] Installation phare. i) The service worker downloads necessary files (HTML, CIS, JS) and steves them in cache if hecessful, it moves to the activation phare Coole eg: Belf-addfrentlistener ("install", event => of event woult until carper open (app-cache). then (auche => } return cache cadal An ['1', I index. html' 84y les. (35') 3); Activation phane. -> The old services worken is replaced with new one. Is univered couche files from the previous version are deleted Final Step: Fetch & MINC. Once actuated, the tenvices worker intercent network request, serves ouched files and ynas duta.

Explain the use of indexed DB in the fervices worker for 94) data Horage. it is required a record of the record of the recorded Boln: Use of Indexor in service workers for Data Sterrige. ?-Indexectors is a Boowser database that stores large owner of spersons of open like 2201 opens. It helps pure work offline. In fewing and windering data efficiency. why use Independed in semire workers? attline proport - grace gates when offline and thurst laster. 2 Much James 1998 and Hal 2) Efficient blancage - baves Blancoture douber like uner betting. court Here ou teres whom? 3) paster Acress - Remeres Pata quickly without needing a network regiden 4) pensistent Data - Data remains gared even after the however 1) Cloker topologist Vender I considerance of a missioner and The the course some to deal of a cities manged a some of that Hom gewice mouken, note Ingeren Nos BOY CONTEME & CHANNESS TONE FOR stances rout de pot some

opening the Database: let request = indexed DB. Open ('My Databore', 1); Charles orkers of Brake Sout reduent. ournages: transpion (chang) & . wall was a serve sold voluble temporary and 30 daymond db: event larger menult; # Creating a store & adding Data crequest, onupgondenceded = function (event) let db: event. hunget result; les store = db. create Obojeat blace ('Usens'; & key path: 'id's); Spare add (Sid: 1 name: ¿ Lopu Doe, ade: 523); # fetching Data in territie worken. let framaction = ob. framocastion ('Users', 'readonly'); let plane = fundantion. Object sterre (. nea.); 157 dot Ofer = blace dot (4): det now outross : transpor () 8 Je : cousois. 100 ( der pred deury)?