	(%)
	Mame: Saache Raheja.
Part 1	Classe & DISB
	Roll No : 46
	Assignment 2011- MPL inditediate of
	J. Significant 2. The PL
1]	Define Progressive Man (our)
•	Define Progressive kleb App (PKIA) and explain its
	The product of the production of the product of the
	characteristics that differentiate Pulas done
	Tract Horact Made And
AJ	A December 110 Comment of the Commen
71	The progressive web App (PWA) is a use applicable to
	delivers a native app-like experience using modern web technologies. It works across devices, supports
	Les technologies. It works across devices, supports
	The sees and can be installed without an
	app store.
-	Co ala
. 51 -11	Significance in Modern Web Development.
	the de destina este all este transfer ste
<u> </u>	· Cross-Platform : Runs on any device with a web
	brows er.
	· Online Support: Uses Service Workers for caching.
* 4 7 2	· Fast Performance: Loads quickly, even on slow
	networks in the interior
	· Engagement : Supports push notifications and
	installation.
1345 303,1	· Lower Costs: A single codebase reduces
	development effort.
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	Feature	PLATA	Traditional Mobile
	Installation.	Via browser	App Store
(1)	Offline Support	Via caching	Via explicit design.
	Push Notificator	Jeste	Mes.
	Plat-form	Works on all	Platform
	dependency	browsers	sperfic.
	Updates	Automatic	Requires uses updates
2]	Compare an	d contrast respo	rof PLATA
	/	ne web design	* * * *
	Responsive W adapts oly sizes using	namically to dif flexible layouts	ferent screen
	quenes.		in i
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	Importance in PulAs.								
	and the box is not by the second								
	· Consistent User Experience : Optimizes for all screen sizes.								
	all screen sizes.								
To de la constantina	Better Accessibility: Enhances usability								
1									
, y	etfort.								
	effort.								
	· SEO Benefits: Google favors mobile friendly design.								
	menaly	design.	man et i vi	11.75					
	Comparison of Was The								
(1 1042	Comparison of Web Design Approaches.								
es	Feature.	Responsive	Fluid	· · · · · · · · · · · · · · · · · · ·					
			horas	ridaphive					
	Definition	Adjusts layour	Uses percentage	Uses fixed					
	1	dynamically	based widths	breakpoints					
		minis a list	5 31 - 25 1- Fam.	3					
3	Flexibility	tigu	tight has	Lemited.					
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	Denelopment	Moderate	Low English	tligh					
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IN a free	1 . 17		de que questa .	0 00					
	Best Use	PWAs ,	Simple layouts	sperific device					
	Case	modern sites		layours.					
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37	Describe lu léfeagle of Service Morkers,
	including registrations installation
10%	including registration, installation, and activation phases
	Prices Carrier Prices Carrier
	A Service Worky is a backaround script
	A Service Morter 18 a background script that cuhances pwar by enabling offline caching puen notifications and background
	caching puen notifications and Jose Karound
	Sync.
	Process control alient a still a sea .
<i>I</i> -	lifecycle Phases
	i) Registration:
	Browser doubnioads and installs the
	Browser downloads and installs the
P	scripts.
	27 a hard ways /
,	2. Installation
	Caches stanz assets for offline ise
	Caches stanc assets for offline use
	3) Activation
	Triggers the activate event
	· Cleans up old caches and takes control
	of open pages.
	and a service of the
	4) Ide & Feter Handling:
	· Intercepts network requests and serves
	cached data.
0	
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Détects new versons and replaces old worker. The browser terminates martine service hlorker to some resources. A) Explain the use of Indexed DB in Service blork for data storage.	Δ.
The browser terminates maetrine service A) Explain the use of Indexed DB in Service Work for data storager	۵.
The browser terminates inacture service A) Explain the use of Indexed DB in Service Worker for data storager	۵.
hadre too it a promet based NoSQL databas	
for storing shutured data personently. Benefit in service Morkus.	
· Offline Storage: Saves data when the user offline · Efficient Data Syneing: Updates local data when outine. · Non Blocking Operations: User asynchronous API 7/2 prenent delays.	27
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Ex:let db; const req = indexed DB. open ("BRIA", 1); regionupgradenceded = function (event) [
let db = event target result; 16. CreateObjectStore ("articles", { Key Path: "id']); Junetion store Article (acticle) { let transaction 2 db. transaction ("articles", ureadwrit 1). let store z fransachon : Object-Store ("articles"); Store · put (article); FOR EDUCATIONAL USE Sundaram