Jayan Kankena D15B 28. MPL Assignment - 2 perine progressive web App (PWA) & explain its significant in modern web der differentiate puns from traditional mabile Apps ? , A push is a web application that constines the both web & mobile apps to deviver a seamlers, put works offwine, road quickly & provide an app whe experience in marble Playform Hodependence > Improved Penjarmance offline functionality No app store dependencies * Engaging wer Experience. Key Chanacteristics Instauration: Instaured from browser, traditional mobile apps are down-loaded from mobile apps Platform dependencies Office Support Penformance. PUR out Jaster due to cocheing & Lightweight objects. Define responsive met design & explain its impartance in context of pwn: Compare & contrast responsive, fluid and adaptive web design, > Its an approach that ensure web pages adapt to diff. gereen signs & orientations using flexible gride Ensures a consistent user emperience across different Elimates need for multiple andebases for diff demicies Elimate matheity by making content reachable screen

Features Keiponsive fluid Adaptive us es v. for elemente uses predefined Definition uses as media querie Jayous for dies to adjust layout dypassically Flencibiling highly glencible completely flexible Performance Efficient but requires & mooth scaling more ess adjustment Best use website & PWA for App requires case, au screens seamlers scaring asi Describe the niferycle of service workers inocurding regions attion, installation of activation phase Ans -> Lifeyue phase, i) Registration an if Comice workers'in ranigator) ? nowigos or service worken, register ('Ish: ji') then (1) = 1 carsale. Jag C'Serwice warker registered) 2' Instanction > Ocure when then service worken is first downloaded Eg: self-add Even+Listenery ('install'even+=1 & event wait until coches open ('v') then coone) { rown cache 2 au

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petivation: Nuns after installation & ensures ald eaches cleared if
recessary. 19: 3018. add Event listen en C'activate', event = &
CUPIT WAIT OIGH
return Promise au [Keys JiHen (Key)=1xey! = us
3,
forching and updates. The service worker intercepts network requests Eg: self. add Eventlisten er ('fetch', event = \{ event respond with (
routch (event. request).
31:
Explain the used of Indexed DB in service worker for
* Indexed DB 13 of now sevel Mosq & database,
orei de storage: Saves usen data when offine & Syncit
d a = ODIVV
Perujetant data: unlike datal starage underted le agync. Perujetant data: Unlike datal starage underted le agync. Background Sync: Bennice warken can use inderting do store data & sync in dat et
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