. Assignment - 2 D Define Pragressive Web Aff (PWA) and Enflain 18th significance in Modern 18th Development Discuss the key Chara Inistic that differential PWA from Tradition Mobile Aff. Progressive Web afth: it is a truje of web Afflication that utilize Madeur Web capabilities to deliver on afth-like enferience to User it combined the best features of the Web and Mobile afth to offer affline functionality, push Natification and installation on devices all while being responsive and fast Key Characteristic Responsive: PWA's are designed to work searlyses accross Various devices and screen sizes, adapting to user's device Connecting independent They can wark affline or with a hoor internet connection leveraging services works to cache resources and from the basic functionally Affilie enferience: PWA's Mimic (an Wark affline ar With from internet Connection, leveraging Services Warken affling smooth Animation Transmish and interaction Teacher's Sign.: __

Discoverable: PWA's can be found through search engine and do not require installation from an aff store Learning: PWA's are served over HTTP's to ensure data privacy & Security Define Rephanin Web design and emplain inhartance in the content of progressive yeb app. Compare and Content responsive flind and Adaptin web design Approach. Responsive Web design is an approach to
designing websity that ensure they adapt
and respond appropriate to Various screen
size orientation and device. This is typically
achieved through flenible layout april e (so In the Costent of Pragressive web app, respections—ive was design in crucial because it ensure that that the app intular remain were preadly and Eurotional accross different devices as maintaining a Consistent user enfusiona regardly at the soven size are device being used Comparison of responsin Fluid and adaptive Web design Teacher's Sign.: _

Scale_____C Responsive lieb Design: User design flemble
grids and layout. CSS Media queries and
Flind images to adopt the Website 's design
to different devices Maintain a consistent user
experience a est affers a searless user experience acrass Various devices Flind Web design Similar to response design Flind web design also it lige Flembility layout

Third web design also it lige Flembility layout

and herantage of sizing element but it may

not necessary in conferates Media queris to

adjust the design base on specific

break faint. It focus Man on relation

sizing to ensure element scale properly 3) Describe the lifecycle of surious worker including segistivation installation and activations haves hours blay a very vital Role in PWA as they are responsible for affline caching frush notifications, black ground sunce etc in this Article. We will be clemystyling services worker likewile and what can be services Worker lifecycle and what combe done at lash stage of lifecycle Registration Activation

Registration: Serving works are regist patien by the web application through javascrift action the main hage This registration tespecally occur, in the background of the specifying the fall to the services fundionally. Installation: once registered the brown board and install services works script.

During Installation the services works (on cache static assets and other presources and the other resources needed for offline functionality Activation After Installation, the services work enter a divation than During activation the Service Worker can clean up ald cache initialization recovery data and start interaction. Network request Once activated the worker contract various asked after web application such as managing I hardling fetch events and cashe storage Derken for data Storage?

The deridab is a client side storage mechanism that allows services workens the store structure data lecally within the browner. It enables web Applications, includes those utilization dervices works to store and retrine data efficiently Teacher's Sign.: __

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