Register a Service Worker

```
if ('serviceWorker' in navigator
&& 'PushManager' in window) {
    con sol e.l og( 'Se rvice
Worker and Push is suppor ted');
    nav iga tor.se rvi ceW ork -
er.r eg ist er( 'sw.js')
   .th en( fun cti on( swReg) {
        con sol e.l og( 'Se -
rvice Worker is regist ered',
swReg);
        swR egi str ation =
swReg;
   })
   .ca tch (fu nct ion (error) {
        con sol e.e rro r(' -
Service Worker Error', error);
   });
} else {
    con sol e.w arn ('Push
messaging is not suppor ted');
    pus hBu tto n.t ext Content =
'Push Not Suppor ted';
}
```

Handle Permission Denied

```
function updateBtn() {
   if (Notif ica tio n.p erm -
ission === 'denied') {
        pus hBu tto n.t ext -
Content = 'Push Messaging
Blocked.';
        pus hBu tto n.d isabled
= true;
        upd ate Sub scr ipt -
ion OnS erv er( null);
        return;
   }
   if (isSub scr ibed) {
```

Handle Permission Denied (cont)

```
>    pushButton.textContent = 'Disable
Push Messaging';
 } else {
   pushButton.textContent = 'Enable Push
Messaging';
 }
 pushButton.disabled = false;
}
```

Get Application Server Keys

```
const applicationServerPublicKey
= '<Your Public Key>';
```

Initialize State

```
function initializeUI() {
   // Set the initial subscr -
iption value
    swR egi str ati on.p us -
hMa nag er.g et Sub scr ipt -
ion()
   .th en( fun cti on( sub scr -
iption) {
        isS ubs cribed = !
(subs cri ption === null);
       if (isSub scr ibed) {
            con sol e.l -
og( 'User IS subscr ibe d.');
       } else {
            con sol e.l -
og( 'User is NOT subscr ibe -
d.');
       }
        upd ate Btn();
   });
}
```

Handle a Push Event

```
self.addEventListener('push', func
    con sol e.l og( '[S ervice Wor
    con sol e.l og( '[Service Worker] Pus
d ata.te xt( )}");
    const title = 'Push Codelab';
    const options = {
        body: 'Yay it works.',
        icon: 'image s/i con.png',
        badge: 'image s/b adg e.pn
   };
    eve nt.w ai tUn til (se lf.r e
on( title, options));
});
```

Unsubscribe the user

```
pushButton.addEventListener('click
function() {
    pus hBu tto n.d isabled = true
   if (isSub scr ibed) {
        uns ubs cri beU ser();
   } else {
        sub scr ibe User();
   }
});
```


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```
function initializeUI() {
    pus hBu tto n.a ddE ven tLi -
ste ner ('c lick', function() {
        pus hBu tto n.d isabled
= true;
       if (isSub scr ibed) {
           // TODO: Unsubs cribe
user
       } else {
            sub scr ibe User();
       }
   });
   // Set the initial subscr -
iption value
    swR egi str ati on.p us -
hMa nag er.g et Sub scr ipt -
ion()
   .th en( fun cti on( sub scr -
iption) {
        isS ubs cribed = !
(subs cri ption === null);
        upd ate Sub scr ipt -
ion OnS erv er( sub scr ipt ion);
       if (isSub scr ibed) {
            con sol e.l -
og( 'User IS subscr ibe d.');
       } else {
            con sol e.l -
og( 'User is NOT subscr ibe -
d.');
       }
        upd ate Btn();
   });
}
```

Notification click

```
self.addEventListener('notificationclick',
function(event) {
    con sol e.l og( '[S ervice Worker]
Notifi cation click Receiv ed.');
    eve nt.n ot ifi cat ion.cl ose();
    eve nt.w ai tUntil(
        cli ent s.o pen Win dow ('h ttp -
s:/ /de vel ope rs.g oo gle.co m/w eb/')
   );
});
```

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Go to: https://chrome.google.com/webstore/detail/web-server-for-chrome/ofhbbkphhbklhfoeikjpcbhemlocgigb

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