Setup

Clone repo	git clone https://github.com/GoogleChrome/push-notifications.git
Install webserver	https://chrome.google.com/webstore/detail/web-server-for-chrome/ofhbbkphhbklhfoeikjpcbhemlocgigb

Select app folder from cloned repo in webserver

Always update the service worker	Open DevTools (Right Click > Inspect) -> Application -> Service Workers -> Update on Reload

Register a Service Worker

```
navigator.serviceWorker.register('sw.js')
.then(function(swReg) {
console.log('Service Worker is
registered', swReg); swRegistration =
swReg; })
```

Subscribe the user

```
swRegistration.pushManager.getSubscription()
  .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);
  const applic ati onS erv erKey = urlB64 -
ToU int 8Ar ray (ap pli cat ion Ser ver -
Pub lic Key);
   swR egi str ati on.p us hMa nag er.s -
ub scr ibe({
     use rVi sib leOnly: true,
     app lic ati onS erv erKey: appli c -
ati onS erv erKey
   })
   .th en( fun cti on( sub scr iption) {
     upd ate Sub scr ipt ion OnS erv -
er( sub scr ipt ion);
     isS ubs cribed = true;
   })
  });
```

Get Application Server Keys

Handle Permission Denied

```
if (Notification.permission ===
'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) {
     pus hBu tto n.t ext -
Content = 'Disable Push Messag -
ing';
   } else {
     pus hBu tto n.t ext -
Content = 'Enable Push Messag -
ing';
   }
   pus hBu tto n.d isabled =
false;
```

Handle a Push Event

```
self.addEventListener('push', function(event) {
con sol e.l og( '[S ervice Worker] Push Received.');
   con sol e.l og( `[S ervice Worker] Push had this data:
${e vata.te xt( )}`);
   const title = 'Push Codelab';
   const options = {
     body: 'Yay it works.',
     icon: 'image s/i con.png',
     badge: 'image s/b adg e.png'
   };
   eve nt.w ai tUn til (se lf.r eg ist rat ion.sh owN oti fic ati -
on( title, options));
});
```

Notification click

Sending push messages

Use https://web-push-codelab.glitch.me/ to send a push message

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();
   }
});
swRegi str ati on.p us hMa nag -
er.g et Sub scr ipt ion()
  .th en( fun cti on( sub scr -
iption) {
     if (subsc rip tion) {
       return subscr ipt -
ion.un sub scr ibe();
     }
   })
   .th en( fun ction() {
     upd ate Sub scr ipt ion -
OnS erv er( null);
     con sol e.l og( 'User is
uns ubs cribed.');
     isS ubs cribed = false;
     upd ate Btn();
   });
```

Generate public/private keys	https://web-push-c-odelab.glitch.me/
Insert them into your application	

```
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/')
    );
});
```