APM - To worke meta data of your E-commerce PWA in a Web app manifest file to enable "add to home scheen fecture".

Theory -

Regulat Web App-

A regular were app is a website that can be accessed on mabile devices and adjusts to the device screen. It is built using web technologies and ours in a browser. It offers some nature device features but compatibility depends on the user's browser, so some features may not work on.

Certain browser.

Parguessive web App (PWA)-

progressive web App is an enhanced version of a regular web app that provider an excellent where experience by blending desixtop and mobile application experiences catering to both pratforms for end-where.

what is metadata?

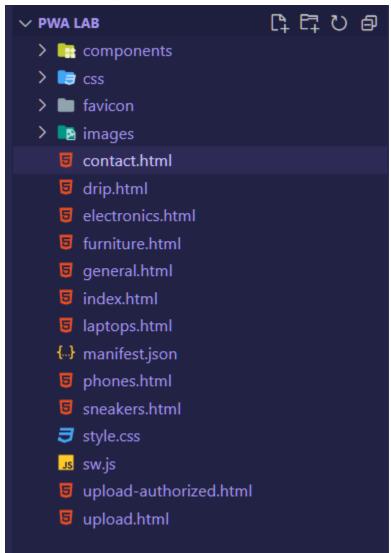
meta data is information that describes other data or information. It provides context and helps in understanding and organizing the associated data.

what is "add to home scheen feature"?

"Add to homeschen" is a feature in progressive web apps that allows used to save a website to studied device's home screen, maiging it easily accessible where web app opens when the useds top on the icon, the web app opens in full screen mode, providing a team vers web corporations.

Implementation:

• Directory Structure



• Index.html

```
<!DOCTYPE html>
<html>
<html>
<html="shortcut icon" href="./images/air.png" type="image/x-icon">
<head>
<!-- Primary Meta Tags -->
<title>Ecommerce</title>
<meta charset="utf-8" />
```

<meta name="viewport"
content="width=device-width,
initial-scale=1" />

<meta name="theme-color"
content="#F2EAE3">

<meta name="title" content="Buy
and sell products Online">

<meta name="description"
content="Visit comrademarket.com to
start selling your products now.">

<meta property="og:title"
content="Buy and sell products
Online" />

<meta property="og:url"
content="https://www.comrademarket
.com/" />

<meta property="og:description"
content="Visit comrademarket.com to
start selling your products now.">

<meta property="og:image" content="https://www.linkpicture.com /q/final_618e23035795e00080017401 _7.png">

<meta property="og:type" content="article" />

<meta property="og:image"
content="url_image">

<!-- Open Graph / Facebook -->

<meta property="og:type" content="website">

<meta property="og:url"
content="https://www.comrademarket
.com/">

<meta property="og:title"
content="Buy and sell products
Online">

<meta property="og:description"
content="Visit comrademarket.com to
start selling your products now.">

<meta property="og:image"
content="https://www.linkpicture.com
/q/better.png">

<!-- Twitter -->

<meta property="twitter:card"
content="summary large image">

<meta property="twitter:url"
content="https://www.comrademarket
.com/">

<meta property="twitter:title"
content="Buy and sell products
Online">

<meta property="twitter:description"
content="Visit comrademarket.com to
start selling your products now.">

<meta property="twitter:image"
content="https://www.linkpicture.com
/q/better.png">

link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" />

link

href="https://cdnjs.cloudflare.com/aja x/libs/font-awesome/4.7.0/css/font-aw esome.min.css" rel="stylesheet" />

k rel="stylesheet"
href="style.css" />

k rel="manifest"
href="/manifest.json">

</head>

```
<body oncontextmenu="return false"</pre>
                                            <div class="container">
class="snippet-body">
                                                                   class="navbar
                                                          <nav
                                           navbar-expand-lg navbar-light">
 <script>
                                               <div class="container-fluid">
                                                  <a class="navbar-brand name"
window.addEventListener('load',()=>{
                                           href="index.html">Ecommerce</a>
   registerSW();
                                                  <button class="navbar-toggler"</pre>
  });
                                           type="button"
                                           data-bs-toggle="collapse"
                                           data-bs-target="#navbarSupportedCo
  //popup to prompt install
                                           ntent"
  let deferredPrompt;
                                           aria-controls="navbarSupportedConte
                                                           aria-expanded="false"
                                           aria-label="Toggle navigation">
window.addEventListener('beforeinsta
llprompt', (e) \Rightarrow \{
                                                                          <span
    deferredPrompt = e;
                                           class="navbar-toggler-icon"></span>
  });
                                                </button>
                                                           <div class="collapse
  //logic for install buttonInstall
                                           navbar-collapse"
             const
                      installApp
                                           id="navbarSupportedContent">
document.getElementById('installApp
                                                  ul class="navbar-nav me-auto
                                           mb-2 mb-lg-0">
');
                                                  installApp.addEventListener('click',
                                                             <a class="nav-link"
async() => {
                                           href="index.html">Categories</a>
    if (deferredPrompt !== null) {
                                                  </1i>
       deferredPrompt.prompt();
                                                        class="nav-item"><a</li>
          const { outcome } = await
                                           class="nav-link"
deferredPrompt.userChoice;
                                           href="contact.html">Contact</a></li
       if (outcome === 'accepted') {
         deferredPrompt = null;
                                                 <a href="./upload.html">
                                                  <button class="btn btn-dark">
                                                   Upload product
  });
  //logic for install buttonInstall
                                                                           <img
                                                                           alt=""
                                           src="./images/upload.png"
                                           height="20px" width="20px" />
                                                  </button>
 </script>
                                                 </a>
```

| | height="100" width="100" |
|---|--|
| | alt="phone" /> |
| | |
| navbar | |
| | |
| | > |
| <div class="d-flex</td><td></div></td></tr><tr><td>justify-content-center</td><td></td></tr><tr><td>align-items-center mt-5"></div> | <div class="col-md-3"></div> |
| <button class="btn</td><td></td></tr><tr><td>btn-dark">OUR</button> | |
| CATEGORIES | |
| | <div class="card p-2"></div> |
| <div class="d-flex</td><td><div class=" d-flex<="" td=""></div> | |
| justify-content-center mt-3"> | justify-content-between |
| <pre><span class="text</pre></td><td>align-items-center p-2"></pre> | |
| text-center">Finding Best Products | <pre><div class="flex-column lh-1</pre></td></tr><tr><td>Now </td><td>imagename"></div></pre> |
| in Your Fingertips | Tech |
| | Accessories |
| <div class="row mt-2 g-4"></div> | |
| <div class="col-md-3"></div> | <div></div> |
| | |
| <div class="card p-1"></div> | |
| <div class="d-flex</td><td></div></td></tr><tr><td>justify-content-between</td><td></td></tr><tr><td>align-items-center p-2"></div> | |
| <pre><div class="flex-column lh-1</pre></td><td><div class=" col-md-3"=""></div></pre> | |
| imagename"> | |
| Mobile | <div class="card p-2"></div> |
| Phones | <div class="d-flex</td></tr><tr><td></div></td><td>justify-content-between</td></tr><tr><td><div></td><td>align-items-center p-2"></div> |
| <img< td=""><td><pre><div class="flex-column lh-1</pre></td></tr><tr><td><math>\mathcal{E}</math></td><td>imagename"></div></pre></td></img<> | <pre><div class="flex-column lh-1</pre></td></tr><tr><td><math>\mathcal{E}</math></td><td>imagename"></div></pre> |
| src="https://encrypted-tbn0.gstatic.co | <pre>Cheap</pre> |
| m/images?q=tbn:ANd9GcRTh5YLNl | Furniture |
| TEzzI4Fy7iqWwcfkVOo7kn8pG-6w | |
| &usqp=CAU" | <div></div> |
| _ | <img< td=""></img<> |
| <div> <img src="https://encrypted-tbn0.gstatic.co m/images?q=tbn:ANd9GcRTh5YLNl TEzzI4Fy7iqWwcfkVOo7kn8pG-6w</td><td>align-items-center p-2"/></div> | |

| | Affordable | |
|--|---|-------------------------|
| src="https://encrypted-tbn0.gstatic.co | Laptops | |
| m/images?q=tbn:ANd9GcSI-URPBQ | | |
| 50kpG-PkQV6iGPeBUBlTD6B7b | <div></div> | |
| w&usqp=CAU" | <img <="" src="./images/pc.png" td=""/> | |
| height="100" width="100" | height="80" width="100" alt="pc" /> | |
| alt="furniture"/> | | |
| | | |
| | | |
| | > | |
| | | |
| | <div class="col-md-3"></div> | |
| <div class="col-md-3"></div> | | |
| | <div class="card p-2"></div> | |
| <div class="card p-2"></div> | <div class="d-flex</td></tr><tr><td><div class=" d-flex<="" td=""><td>justify-content-between</td></div> | justify-content-between |
| justify-content-between | align-items-center p-2"> | |
| align-items-center p-2"> | <pre><div class="flex-column lh-1</pre></td></tr><tr><td><pre><div class=" flex-column="" lh-1<="" pre=""></div></pre> | imagename"> |
| imagename"> | <pre>Find </pre> | |
| <pre>Dope </pre> | the Drip | |
| <pre>sneakers</pre> | | |
| | <div></div> | |
| <div></div> | <img< td=""></img<> | |
| <img <="" src="images/air.png" td=""/> <td>-</td> | - | |
| width="100" height="100" | <pre>src="https://encrypted-tbn0.gstatic.co</pre> | |
| alt="sneakers" /> | m/images?q=tbn:ANd9GcRgM-eqaG | |
| | HwYusW3oKL8ZJvww1LLc18bvAni | |
| | A&usqp=CAU" | |
| | height="100" width="140" | |
| | alt="drip" /> | |
| | | |
| <div class="col-md-3"></div> | | |
| | | |
| <pre><div class="card p-2tr5"></div></pre> | | |
| <div class="d-flex</td><td></div></td></tr><tr><td>justify-content-between</td><td><div class=" col-md-3"=""></div> | | |
| align-items-center p-2"> | | |
| <pre><div card="" class="flex-column lh-1</pre></td><td><pre><div class=" p-2"=""></div></pre> | | |
| imagename"> | | |

| <div class="d-flex</td><td></div></td></tr><tr><td>justify-content-between</td><td></div></td></tr><tr><td>align-items-center p-2"></div> | > |
|---|---|
| <div <="" class="flex-column lh-1" td=""><td></td></div> | |
| imagename"> | |
| Smart | |
| <pre>Electronics</pre> | br> |
| | br> |
| <div></div> | <script></td></tr><tr><td></div></td><td>•</td></tr><tr><td></div></td><td><pre>async function registerSW(){</pre></td></tr><tr><td></div></td><td><pre>if('serviceWorker' in navigator){</pre></td></tr><tr><td>></td><td>try{</td></tr><tr><td></div></td><td>await</td></tr><tr><td><div class="col-md-3"></td><td>navigator.serviceWorker.register('./sw.</td></tr><tr><td></td><td>js');</td></tr><tr><td><div class="card p-2"></td><td>}catch(e){</td></tr><tr><td><div class="d-flex</td><td>console.log(`SW registration</td></tr><tr><td>justify-content-between</td><td>failed');</td></tr><tr><td>align-items-center p-2"></td><td>}</td></tr><tr><td><pre><div class="flex-column lh-1</pre></td><td>}</td></tr><tr><td>imagename">General</td><td>}</td></tr><tr><td></div></td><td></script> |
| <div></div> | <pre><script <="" pre="" type="text/javascript"></td></tr><tr><td><img</td><td></td></tr><tr><td></td><td><pre>src="https://cdn.jsdelivr.net/npm/boot</pre></td></tr><tr><td>src="https://encrypted-tbn0.gstatic.co</td><td>strap@5.0.0-beta1/dist/js/bootstrap.bu</td></tr><tr><td>m/images?q=tbn:ANd9GcQr76mR4P</td><td>ndle.min.js"></script></pre> |
| TTiBiAMUGvzwYoPl3BqAl-ckwViw | <script< td=""></script<> |
| &usqp=CAU" | type="text/javascript"> |
| height="100" width="120" | |
| alt="gen" /> | |
| | |

• manifest.json

```
"purpose": "maskable"
  "name": "Ecommerce PWA",
                                                },
  "short name": "Ecommerce",
  "start_url": ".",
                                                                             "src":
  "display": "standalone",
                                            "favicon/monochrome 256.png",
  "background_color": "#fafafa",
                                                 "sizes": "256x256".
  "theme color": "#FFD567",
                                                 "type": "image/png",
    "description": "Preview maskable
                                                 "purpose": "monochrome"
icons in the browser.",
  "icons": [
                                               "shortcuts": [
                                "src":
                                                 "name": "Editor",
"favicon/favicon 512.png",
    "sizes": "512x512",
                                                   "description": "Build your own
    "type": "image/png",
                                            maskable icon",
    "purpose": "any"
                                                 "url": "/editor",
                                                 "icons": [
     "src": "favicon/favicon.svg",
                                                                             "src":
    "sizes": "any",
                                            "favicon/editor_192.png",
                                                   "sizes": "192x192",
    "type": "image/svg+xml",
    "purpose": "any"
                                                   "type": "image/png",
                                                   "purpose": "any monochrome"
                                "src":
                                                   "src": "favicon/editor.svg",
"favicon/maskable 512.png",
    "sizes": "512x512",
                                                   "sizes": "any",
    "type": "image/png",
                                                   "type": "image/svg+xml",
    "purpose": "maskable"
                                                    "purpose": "any monochrome"
     "src": "favicon/maskable.svg",
    "sizes": "any",
    "type": "image/svg+xml",
```

• serviceworker.js / sw.js

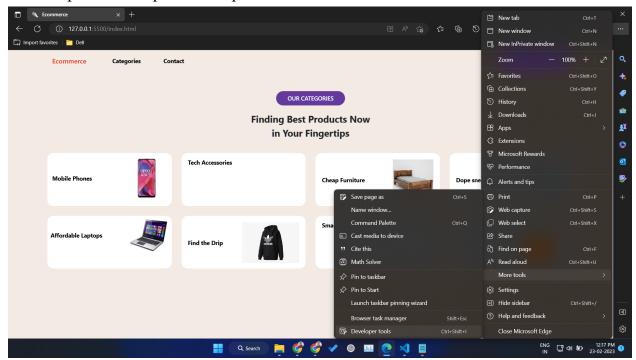
```
const cacheName = 'comrade-v1';
                                                if (url.origin === location.origin) {
const staticAssets = [
  './',
                                                 e.respondWith(cacheFirst(req));
  './index.html',
                                                } else {
  './about.html',
  './drip.html',
                                              e.respondWith(networkAndCache(req
  './electronics.html',
                                             ));
  './furniture.html',
  './general.html',
                                               });
  './index.html',
  './laptops.html',
                                               async function cacheFirst(req) {
  './phones.html',
                                                                  cache
                                                          const
                                                                               await
                                             caches.open(cacheName);
  './sneakers.html',
  './manifest.json',
                                                                 cached
                                                         const
                                                                         =
                                                                               await
  './style.css',
                                              cache.match(req);
];
                                                return cached || fetch(req);
self.addEventListener('install',async e
                                                                            function
=>{
                                                              async
                    cache
                                             networkAndCache(req) {
            const
                             =
                                 await
caches.open(cacheName);
                                                          const
                                                                  cache
                                                                               await
  await cache.addAll(staticAssets);
                                             caches.open(cacheName);
  return self.skipWaiting();
                                                try {
});
                                                 const fresh = await fetch(reg);
                                                                      cache.put(req,
                                                              await
self.addEventListener('activate',e =>{
                                             fresh.clone());
  self.clients.claim();
                                                 return fresh;
                                                } catch (e) {
});
                                                           const cached = await
self.addEventListener('fetch', async e
                                             cache.match(req);
=> {
                                                 return cached;
  const req = e.request;
  const url = new URL(req.url);
```

Steps to "add to homescreen feature":

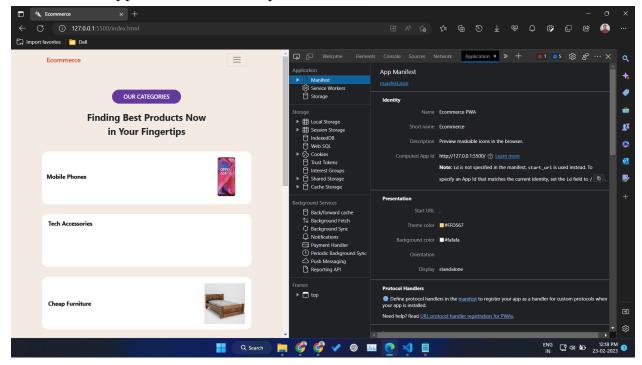
1. Open folder in VS code and click go live at bottom right corner

```
<!DOCTYPE htmL>
                     <html>
مع
                     (head)
ďg
                        <link rel="shortcut icon" href="./images/air.png" type="image/x-icon">
<u>⊡</u>
                        <title>Ecommerce</title>
                        <meta charset="utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1" />
                        <meta name="theme-color" content="#F2EAE3">
                       cmeta name="title" content="Buy and sell products Online">
<meta name="description" content="Visit comrademarket.com to start selling your products now.">
<meta property="og:title" content="Buy and sell products Online" />
<meta property="og:title" content="Buy and sell products Online" />
<meta property="og:url" content="https://www.comrademarket.com/" />
•
                        cmeta property="og:description" content="Visit comrademarket.com to start selling your products now.">
cmeta property="og:image" content="https://www.linkpicture.com/q/final_618e23035795e00080017401_7.png">
cmeta property="og:type" content="article" />
cmeta property="og:type" content="article" />
R
                        <meta property="og:image" content="url_image">
                        <meta property="og:type" content="website">
                        cmeta property="og:url" content="https://www.comrademarket.com/">
cmeta property="og:url" content="https://www.comrademarket.com/">
cmeta property="og:url" content="Buy and sell products Online">
                        <meta property="og:description" content="Visit comrademarket.com to start selling your products now.">
<meta property="og:image" content="https://www.linkpicture.com/q/better.png">
                                                                                                  Q Search 📋 🧳 🧳 🗸 🚳 💹 🧿 🔘
                                                                                                                                                                                                                                                        ENG (12:15 PM
```

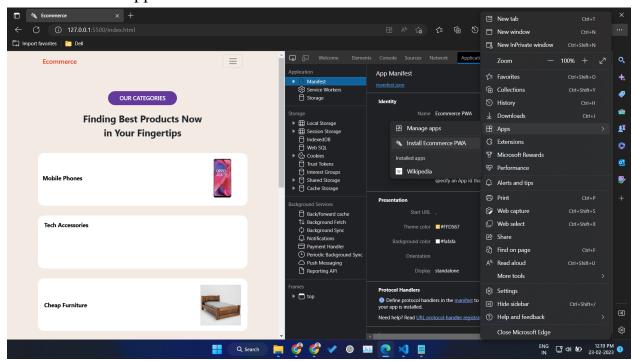
2. Open Developer tools options

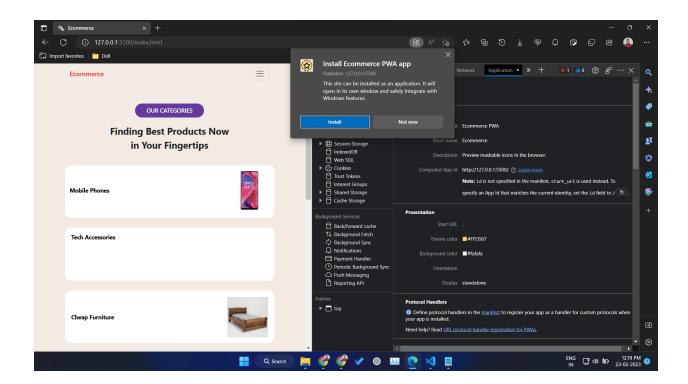


3. Go to Applications on the top navbar



4. Click on 3 dots on top right corner of browser from app option install this site as an app





5. App icon will appear at the bottom

