Folder Structure

Index.html

```html
<!DOCTYPE html>
<html lang="en">
 <head>
   <meta charset="UTF-8" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>PWA Experiment 7</title>

   <!-- Manifest File -->
   <link rel="manifest" href="/manifest.json" />

   <style>
     body {
       font-family: "Arial", sans-serif;
       background: linear-gradient(to right, #4facfe, #00f2fe);
       color: #fff;
       text-align: center;
       margin: 0;
       padding: 0;
       display: flex;
       flex-direction: column;
       align-items: center;
```

```css
    justify-content: center;
    height: 100vh;
  }

  h1 {
    font-size: 2.5rem;
    font-weight: bold;
    margin-bottom: 10px;
  }

  h4 {
    font-size: 1.2rem;
    font-weight: normal;
    margin-bottom: 20px;
  }

  .install-btn {
    background-color: #ff4d6d;
    color: white;
    border: none;
    padding: 12px 20px;
    font-size: 1rem;
    border-radius: 25px;
    cursor: pointer;
    transition: 0.3s;
  }

  .install-btn:hover {
    background-color: #ff1e4d;
  }

  .container {
    background: rgba(255, 255, 255, 0.2);
    padding: 20px;
    border-radius: 10px;
    backdrop-filter: blur(10px);
    box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);
    max-width: 500px;
  }
</style>

<script>
```

```
      window.addEventListener("load", () => {
        registerSW();
      });

      async function registerSW() {
        if ("serviceWorker" in navigator) {
          try {
            await navigator.serviceWorker.register("/serviceworker.js");
            console.log("Service Worker Registered Successfully");
          } catch (error) {
            console.error("Service Worker Registration Failed:", error);
          }
        } else {
          console.warn("Service Worker is not supported in this browser.");
        }
      }
    </script>
  </head>
  <body>
    <div class="container">
      <h1>Hello!!! This is Aarya Gandhi</h1>
      <h4>This is a sample page for the implementation of PWA Experiment 7</h4>
    </div>
  </body>
</html>
```

Manifest.json

```
{
 "name": "MPL experiment 7",
 "short_name": "PWA",
 "start_url": "/index.html",
 "display": "standalone",
 "background_color": "#5900b3",
 "theme_color": "black",
 "scope": "/",
 "description": "This is a PWA tutorial.",
 "icons": [
   {
     "src": "/images/ig.jpg",
```

```
      "sizes": "192x192",
      "type": "image/jpg"
    },
     {
      "src": "/images/edge.jpg",
      "sizes": "512x512",
      "type": "image/jpg"
    }


  ]
}
```

ServiceWorker.js
```javascript
var staticCacheName="pwa";

self.addEventListener("Install",function(e){
   e.waitUntil(
          caches.open(staticCacheName).then(function(cache){
              return cache.addAll(["/"])
          })
   );
});

self.addEventListener("fetch",function(event){
   console.log(event.request.url);

   event.respondWith(
       caches.match(event.request).then(function(response){
          return response || fetch(event.request);
       })
   );

});
```
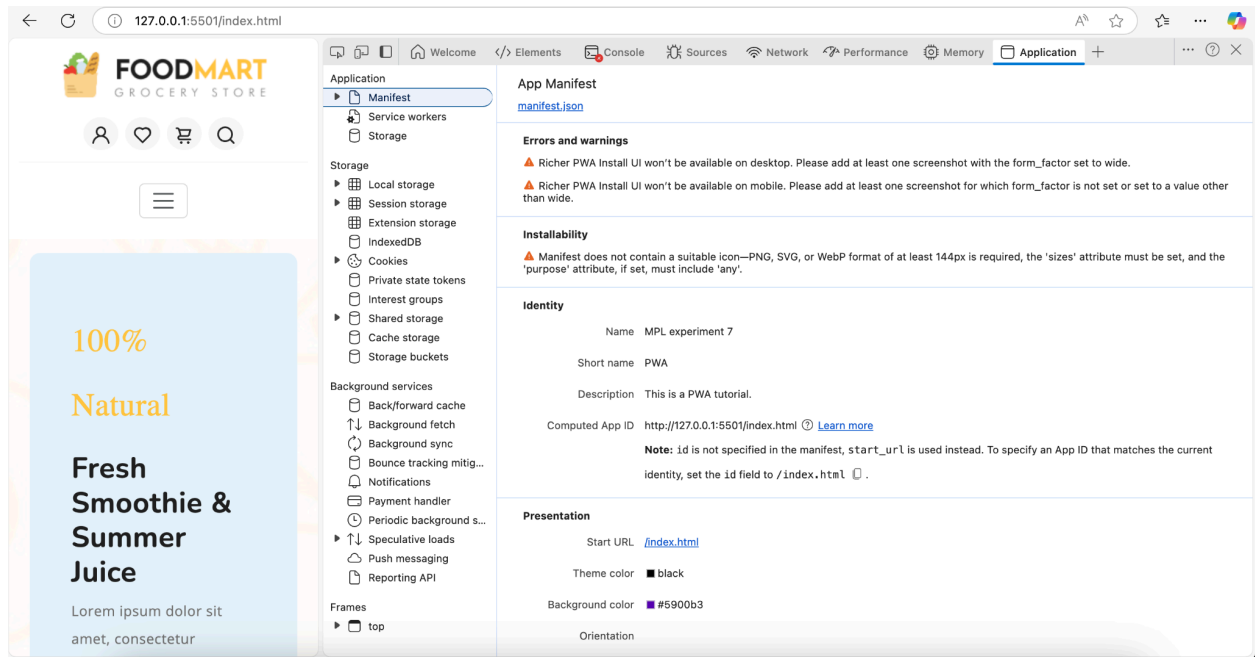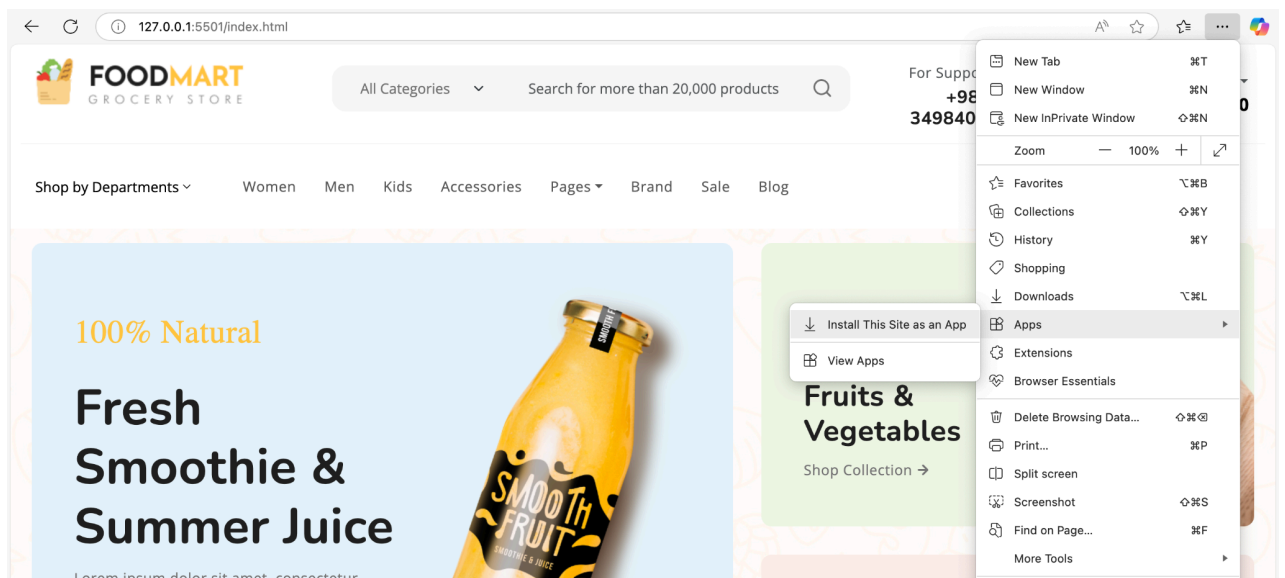
Steps to Implement:
   1. **open Developer tools options->g to applications**

2. Click on the top right corner of browser from the app option install this site as an app

3. App icon

Name		Date Modified	Size	Kind
MPL experiment 7		Today at 2:43 PM	2.4 MB	Application