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<u>Experiment-7</u>

1. Aim

To write metadata of your Ecommerce PWA in a Web App Manifest file to enable the **"Add to Homescreen"** feature.

2. Basic Description

In this experiment, we focus on enhancing our **Ecommerce Progressive Web App (PWA)** by integrating a manifest.json file. This file contains metadata such as the app name, icons, theme color, display mode, and start URL. When properly configured and served with a secure HTTPS connection, this setup allows users to **install the web app on their home screen**, providing a native-app-like experience.
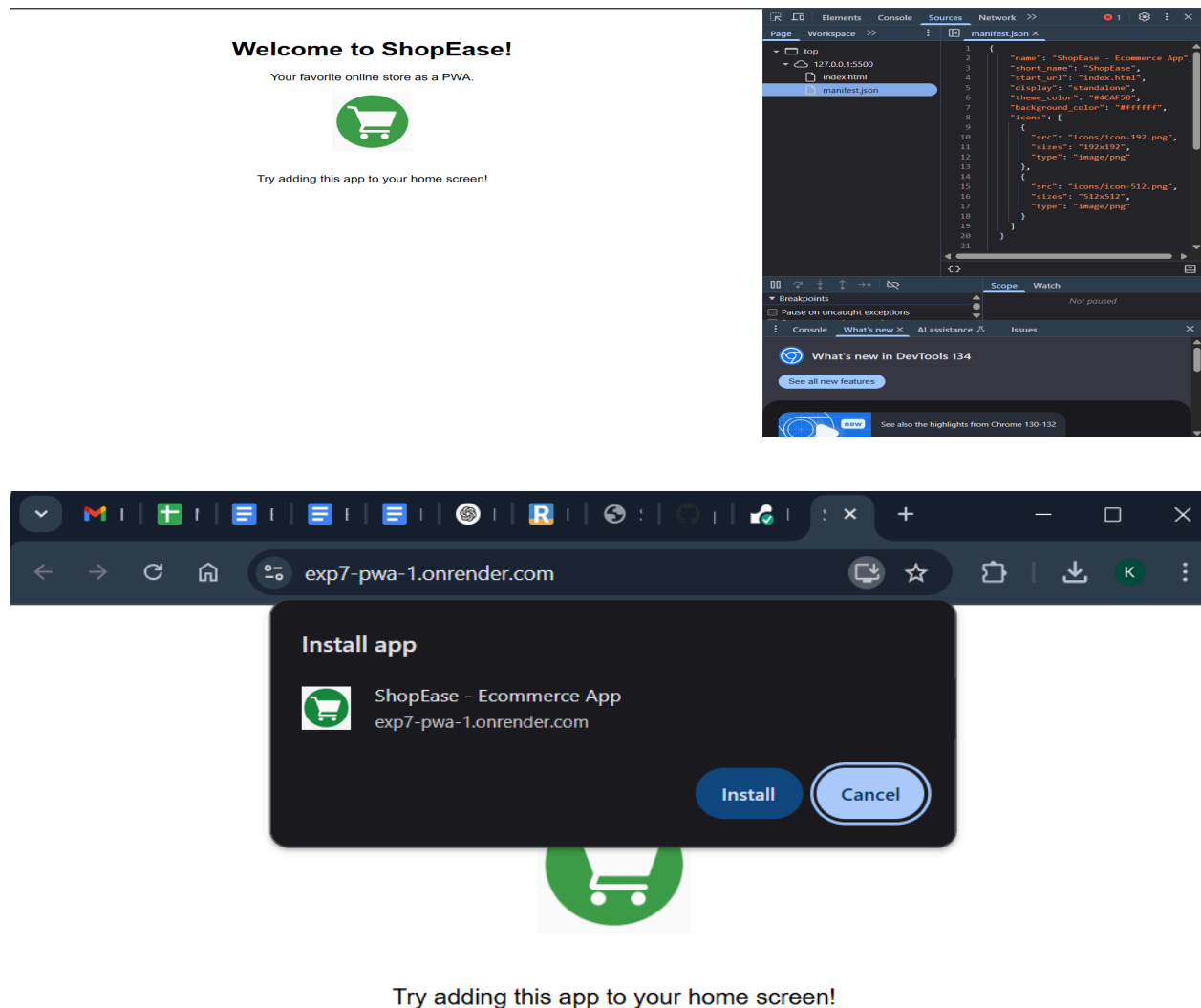
This is particularly important for eCommerce apps, where:

- **User engagement** and **retention** matter.

- A quick-launch option from the homescreen improves accessibility.

- It supports an **offline-capable** shopping experience when combined with service workers.

```
{
  "name": "ShopEase - Your Ecommerce Store",
  "short_name": "ShopEase",
  "start_url": "/index.html",
  "display": "standalone",
  "background_color": "#ffffff",
  "theme_color": "#4CAF50",
  "icons": [
   {
     "src": "icons/icon-192x192.png",
     "sizes": "192x192",
     "type": "image/png"
   },
   {
     "src": "icons/icon-512x512.png",
     "sizes": "512x512",
     "type": "image/png
```

Github: https://github.com/pixelbypixels/EXP7-PWA.git

3. Output:

4. Conclusion

By successfully adding a Web App Manifest file to our Ecommerce PWA:

- We enabled **"Add to Home Screen"**, improving user accessibility.
- We enhanced our app's appearance and functionality to feel more **native**.
- This makes our PWA **installable, reliable, and engaging**, all while using standard web technologies.