

# Experiment - 7

## AIM:

To write metadata of your PWA in a Web App Manifest file to enable the “Add to Homescreen” feature.

## Theory:

### 1. What is a Web App Manifest?

A Web App Manifest is a small JSON file that gives important info about your web app — like its name, icons, starting page, colors, and how it should look when opened from a phone’s home screen. It helps the browser know how your app should behave when users install it.

### 2. How to Enable "Add to Homescreen"

To let users add your app to their home screen, make sure:

- You link the manifest file inside the <head> tag of your HTML.
- Your website is served over HTTPS (secure connection).
- You have a service worker set up to handle offline support and caching.

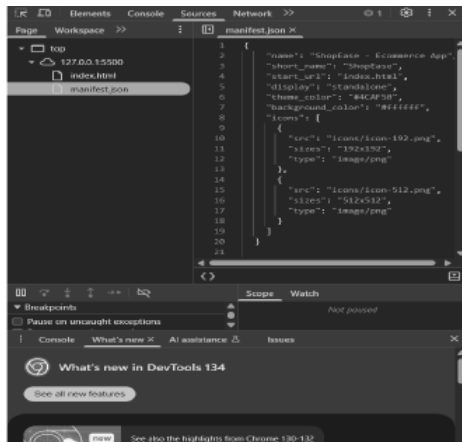
### 3. Why Use PWAs? (Benefits)

- Gives a feel just like a real mobile app.
- Helps users stay engaged and come back more often.
- Works offline or in weak internet areas.
- Lets you show your own app icon and splash screen, boosting your brand.

```
{  
"name": "Norway Chess Website Clone",  
"short_name": "ShopEase",
```

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```
"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"
```



### Conclusion:

Adding a Web App Manifest file with proper metadata is essential for enabling the “Add to Home Screen” feature in PWAs. It improves usability, promotes user retention, and delivers a seamless mobile-like experience.