EXPERIMENT NO : 07
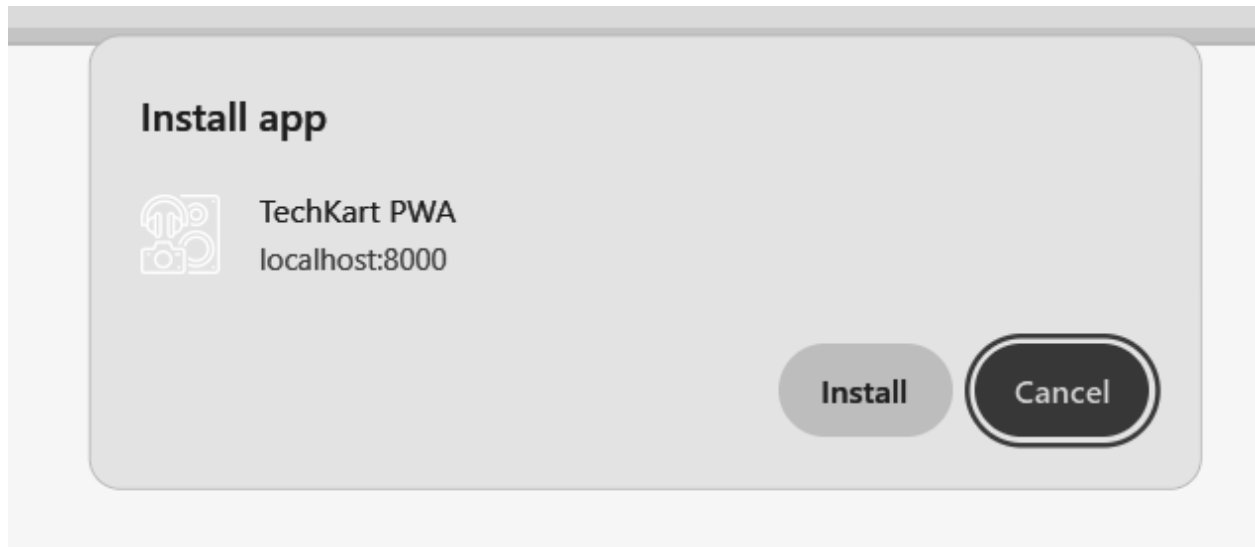
MAD and PWA Lab

1. Aim:

To learn about Progressive Web Apps (PWAs) and their difference from standard websites.

2. Description:

Progressive Web Apps (PWAs) are web applications that function like native apps, offering features like offline access, push notifications, and home screen installation. They bridge the gap between websites and native apps by using standard web technologies (HTML, CSS, JavaScript) to deliver an enhanced user experience. Key differences include direct access (like native apps), increased engagement options, offline functionality, and improved performance metrics compared to traditional websites.

```json
{} manifest.json ×

{} manifest.json > ...
1  {
2    "name": "TechKart PWA",
3    "short_name": "TechKart",
4    "start_url": ".",
5    "display": "standalone",
6    "background_color": "#f4f4f4",
7    "theme_color": "#0a192f",
8    "description": "Buy gadgets & accessories online at TechKart",
9    "icons": [
10     {
11       "src": "icon-192.png",
12       "sizes": "192x192",
13       "type": "image/png"
14     },
15     {
16       "src": "icon-512.png",
17       "sizes": "512x512",
18       "type": "image/png"
19     }
20   ]
21 }
```

3. Conclusion:

PWAs offer a compelling blend of web and native capabilities, providing advantages like broader reach, lower development costs, and enhanced user engagement.

4. GitHub Link:

https://github.com/atharvnikam38/techkart-pwa