

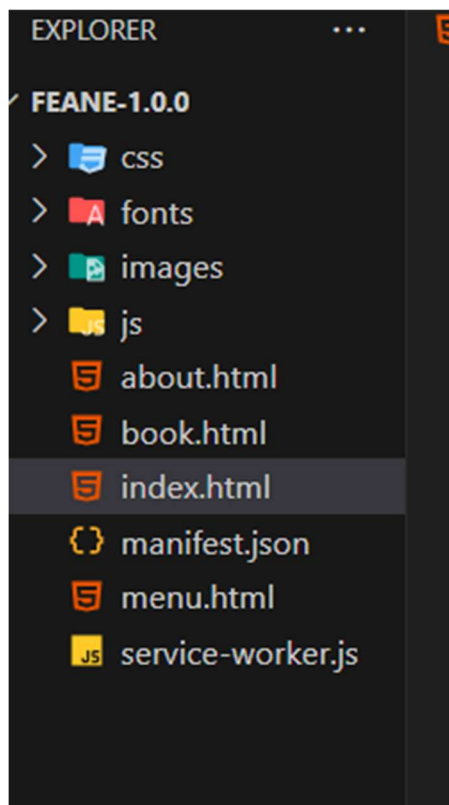
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Aim: To implement “Add to Home Screen” feature in a web application using PWA concepts like manifest file and service worker.

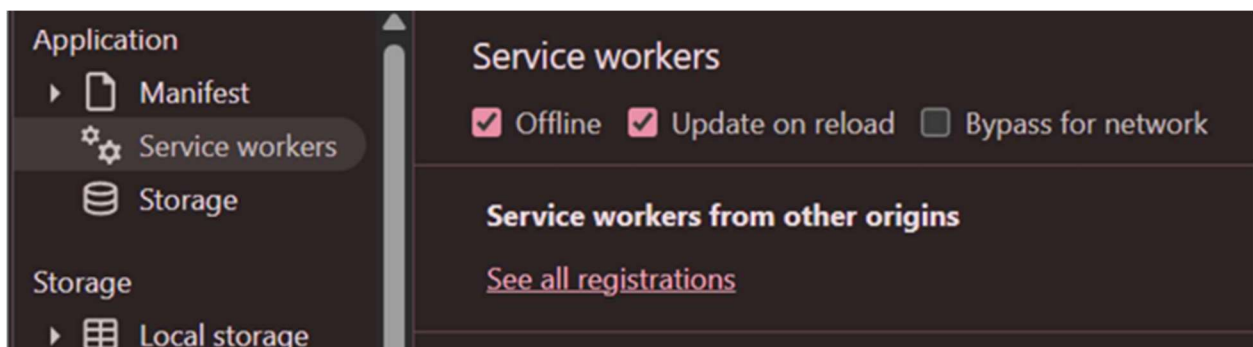
Theory: A Progressive Web App (PWA) enables a web application to be installable on a user’s device similar to native apps. This is achieved by using a manifest file to describe app metadata and a service worker to enable caching and offline capabilities. When correctly configured, browsers prompt users to “Add to Home Screen,” giving a nativeapp-like experience. Code: // index.html



```

manifest.json > ...
1  {
2    "name": "Feane Restaurant",
3    "short_name": "Feane",
4    "description": "Delicious fast food from Feane!",
5    "start_url": "/index.html",
6    "display": "standalone",
7    "background_color": "#ffffff",
8    "theme_color": "#ff6600",
9    "icons": [
10     {
11       "src": "images/icons/icon-192x192.png",
12       "sizes": "192x192",
13       "type": "image/png"
14     },
15     {
16       "src": "images/icons/icon-512x512.png",
17       "sizes": "512x512",
18       "type": "image/png"
19     }
20   ],
21   "screenshots": [
22     {
23       "src": "images/screenshots/screenshot1.png",
24       "sizes": "1280x720",
25       "type": "image/png",
26       "form_factor": "wide"
27     }
28   ]
29 }
30
31

```



Conclusion: The PWA was successfully configured to support “Add to Home Screen” functionality. Manifest, service worker, and necessary meta tags were implemented to give the web app an installable, native-like experience.