

Put your webapp on a home screen.

Make an installable webapp, then verify its offline behaviour.

Build one thing

Check it works

Choose an extension

Before you start.

01

You already know

Module 04. A prepared HTTPS host or localhost test server.

02

Open these tools

Browser, editor, prepared 192/512 PNG icons and a phone for mobile testing.

03

Check the requirement

A PWA is a web app. App-store distribution and native device features are separate.

Your first small win.

Make my checklist layout comfortable on a phone: large buttons, clear labels, no horizontal scrolling. Preserve behaviour and local data. No dependencies or invented features. Return the complete HTML. Code: [paste].

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What happens between input and output?

- 1 A manifest describes the installed app.
- 2 A service worker can cache approved app files.
- 3 Installation and offline caching are separate checks.

Step 01. Prepare the app files.

- 1 Use the working checklist from Module 04.
- 2 Keep index.html at the project root.
- 3 Add prepared icons at icons/192.png and icons/512.png.

Step 02. Create a manifest.

- 1 Add manifest.json with name, icons and start_url.
- 2 Set display to standalone.
- 3 Link the manifest from the HTML head.

Step 03. Add offline caching.

- 1 Use the build prompt for sw.js.
- 2 Cache only this app and its icons.
- 3 Register the service worker from index.html.

Step 04. Test on localhost.

- 1 Run a local server and open localhost.
- 2 Inspect the browser Application panel.
- 3 Check manifest fields and service-worker status.

Step 05. Use HTTPS for the phone.

- 1 Review before uploading to a chosen HTTPS host.
- 2 Open that HTTPS address on the phone.
- 3 Use the browser install option or Add to Home Screen.

Step 06. Verify installation and offline.

- 1 Launch the installed app and add a test task.
- 2 Load it once, disconnect and reopen it.
- 3 Check the checklist still works; reconnect afterward.

Make the working version.

Turn this checklist into a small PWA. Return separate index.html, manifest.json and sw.js. Use supplied icons/192.png and icons/512.png, start_url ./ and standalone display. Version the cache and remove old caches. Cache app files only. Explain localhost and HTTPS tests. Code: [paste].

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Ask for a review. Then check it.

Review these PWA files for manifest paths, icon sizes, service-worker scope, cache versioning and offline behaviour. Provide browser tests. Do not claim it is installed or app-store ready. Files: [paste].

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Prove your result works.

- 1 Manifest paths and icons resolve.
- 2 Install control works in a supporting browser.
- 3 After first load, offline use works as tested.

When it does not work yet.

01

No install option

Use HTTPS or localhost and check browser support/manifest.

02

Old version persists

Update the cache version and inspect the worker lifecycle.

Choose your next challenge.

01

Core complete

Show one checked output to a partner.

02

Extension 1

Add an explicit update notification.

03

Extension 2

Compare installed behaviour on two devices.

Keep the result. Keep the evidence.

Make an installable webapp, then verify its offline behaviour.

Save your files

Save your prompt

Name the next change

Sources you can check.

01

MDN

Making PWAs installable

02

MDN

Service workers tutorial