5. Manifest.json

Manifest

Structure of `manifest.json`

1. `name` : The full name of the application.
2. `short_name` : A shorter name for the application, used where space is limited.
3. `start_url` : The entry point of the application when launched. It's relative to the location of the manifest file.
4. `display` : Defines the preferred display mode, such as `fullscreen`, `standalone`, `minimal-ui`, or `browser`.
5. `background_color` : Specifies a background color for the splash screen when the app is launched.
6. `description` : A brief description of the application.
7. `lang` : The primary language of the app, specified using a language tag (`en-US`, `fr`, etc.).
8. `dir` : The text direction of the app, like `ltr` (left-to-right) or `rtl` (right-to-left).
9. `orientation` : Specifies the default orientation of the app, such as `portrait` or `landscape`.
10. `theme_color` : Defines the default theme color for the application.
11. `icons` : An array of image objects representing the app icon in different sizes. Each object typically includes `src`, `sizes`, and `type` properties.
12. `scope` : Specifies the set of URLs that the browser considers to be within your app, and navigations to those URLs stay within the app.
13. `related_applications` : An array of objects specifying native apps that are related to the web app, potentially with a `platform` and a `url` or `id` depending on the platform.

```json
{
  "name": "Example App",
  "short_name": "App",
  "start_url": "/",
  "display": "standalone",
  "background_color": "#ffffff",
  "description": "An example Progressive Web App",
  "lang": "en-US",
  "dir": "ltr",
  "orientation": "portrait",
  "theme_color": "#000000",
  "icons": [
    {
      "src": "icon/lowres.webp",
      "sizes": "48x48",
      "type": "image/webp"
    },
    {
      "src": "icon/hd_hi.ico",
      "sizes": "72x72 96x96 128x128 256x256",
      "type": "image/x-icon"
    }
  ],
  "scope": "/",
  "related_applications": [
    {
      "platform": "play",
      "url": "https://play.google.com/store/apps/details?id=com.example.app"
    },
    {
      "platform": "itunes",
      "url": "https://itunes.apple.com/app/example-app/id123456789"
    }
  ]
```

```
}
```