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Div : D15B
Roll No : 19

MPL Practical 07

Aim: To write meta data of your Ecommerce PWA in a Web app manifest file to enable "add to homescreen feature".

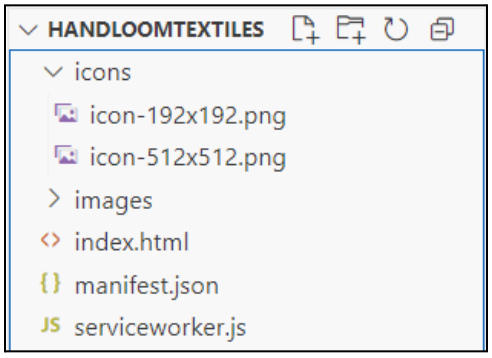
Theory:

The purpose of this experiment is to create a Web App Manifest file that provides metadata about the e-commerce website. This file helps browsers understand how the app should appear when installed on a user's device and enables the "Add to Home Screen" feature.
A manifest file is a JSON file that includes details like the app's name, short name, description, icons, start URL, background color, and display mode. By linking this file in the <head> section of the HTML, we allow the browser to treat our web app more like a native app.

In our project, we created a manifest.json file for the Maharashtrian Handloom & Textiles website. It includes a proper app name, custom theme and background colors matching the site design, and two icons (192x192 and 512x512) for different screen sizes. We also linked this manifest file in our index.html and added a theme-color meta tag to define the browser UI color when the site is launched from the home screen.

This experiment is important because it improves the user experience by making our website installable, giving it a more app-like feel on mobile devices.

Folder Structure:



index.html

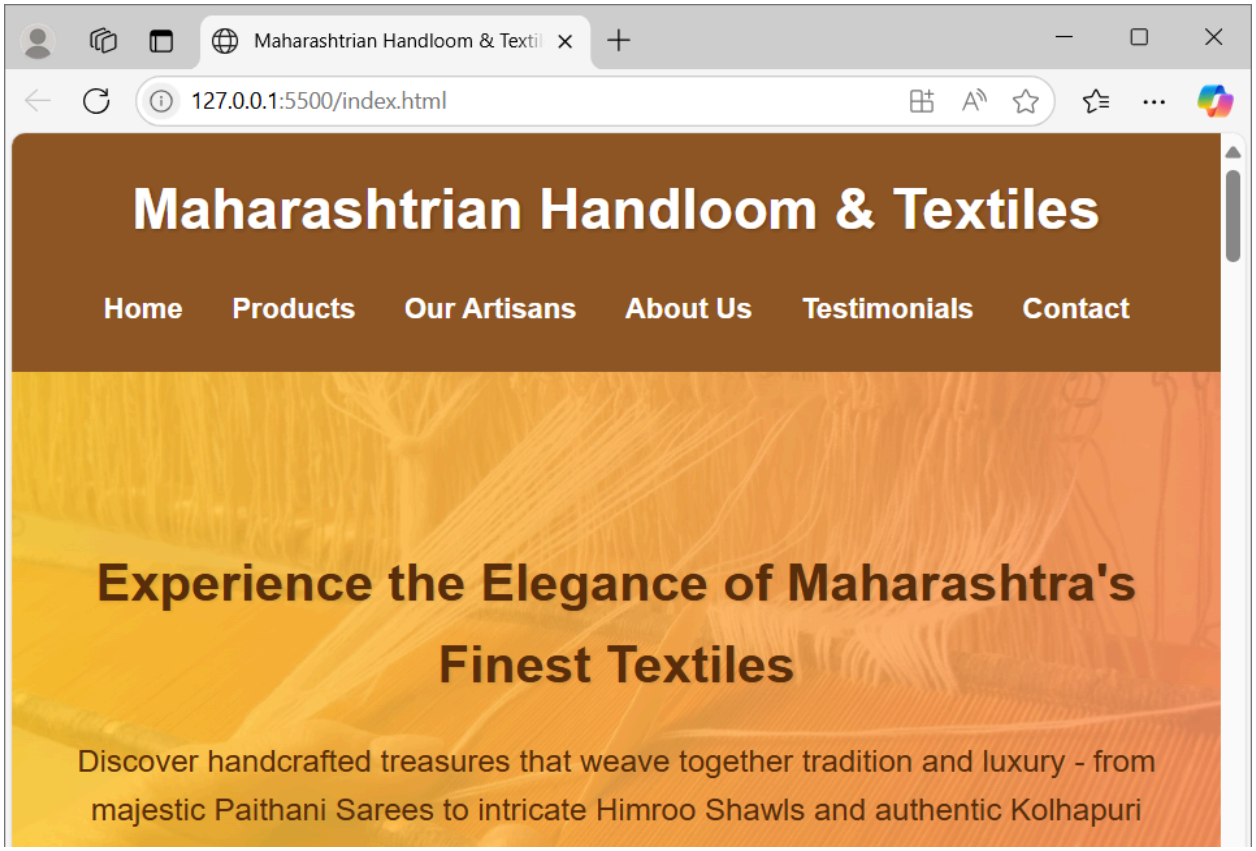
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- Theme Color -->
  <meta name="theme-color" content="#9e5c39">
  <title>Maharashtrian Handloom & Textiles</title>
  <style>
```

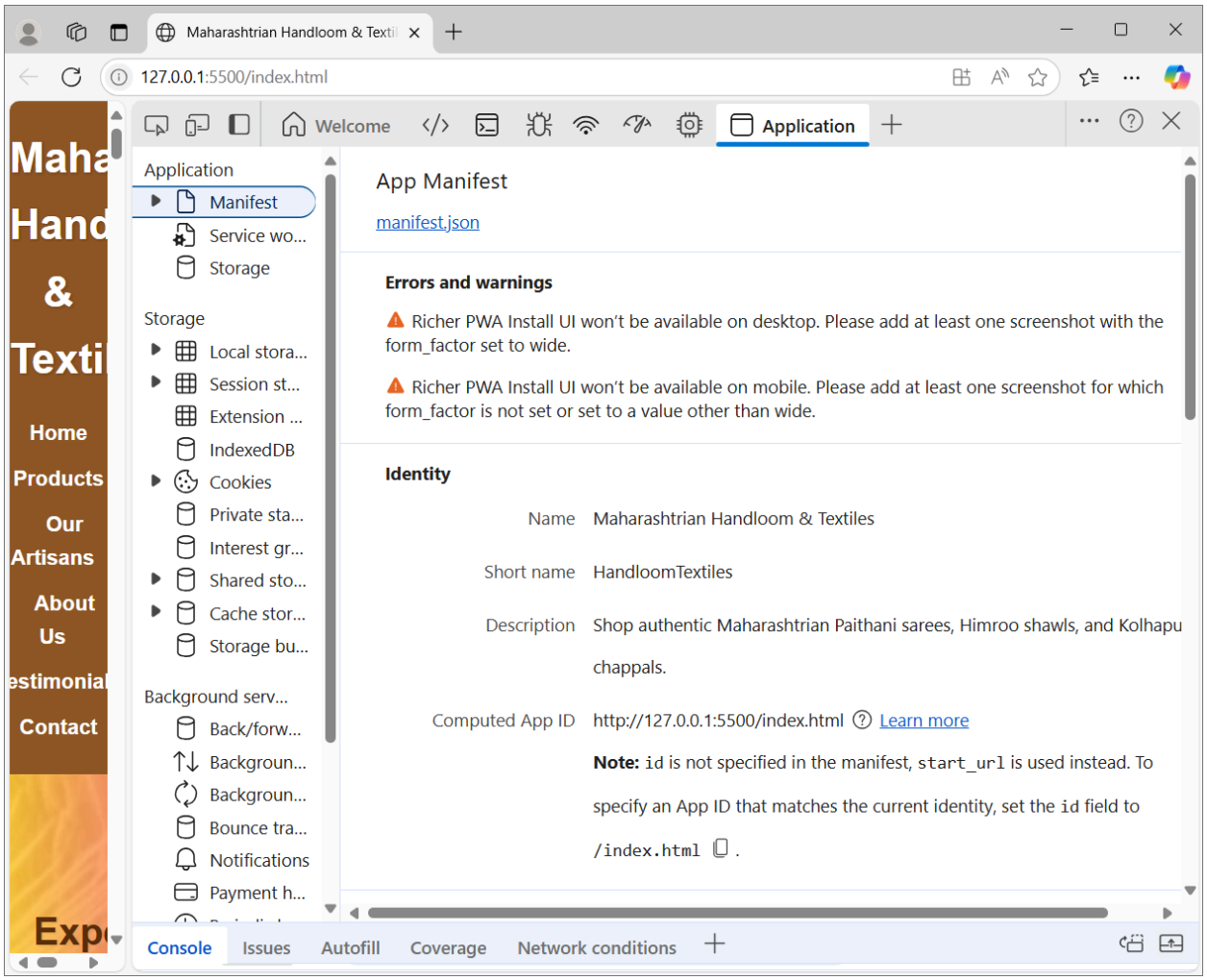
```
  </style>
  <!-- Web Manifest -->
  <link rel="manifest" href="manifest.json">
</head>
<body>


  <script>
    if ('serviceWorker' in navigator) {
      navigator.serviceWorker.register('serviceworker.js')
        .then(() => console.log('Service Worker Registered'))
        .catch(error => console.log('Service Worker Registration Failed', error));
    }
  </script>
</body>
</html>
```

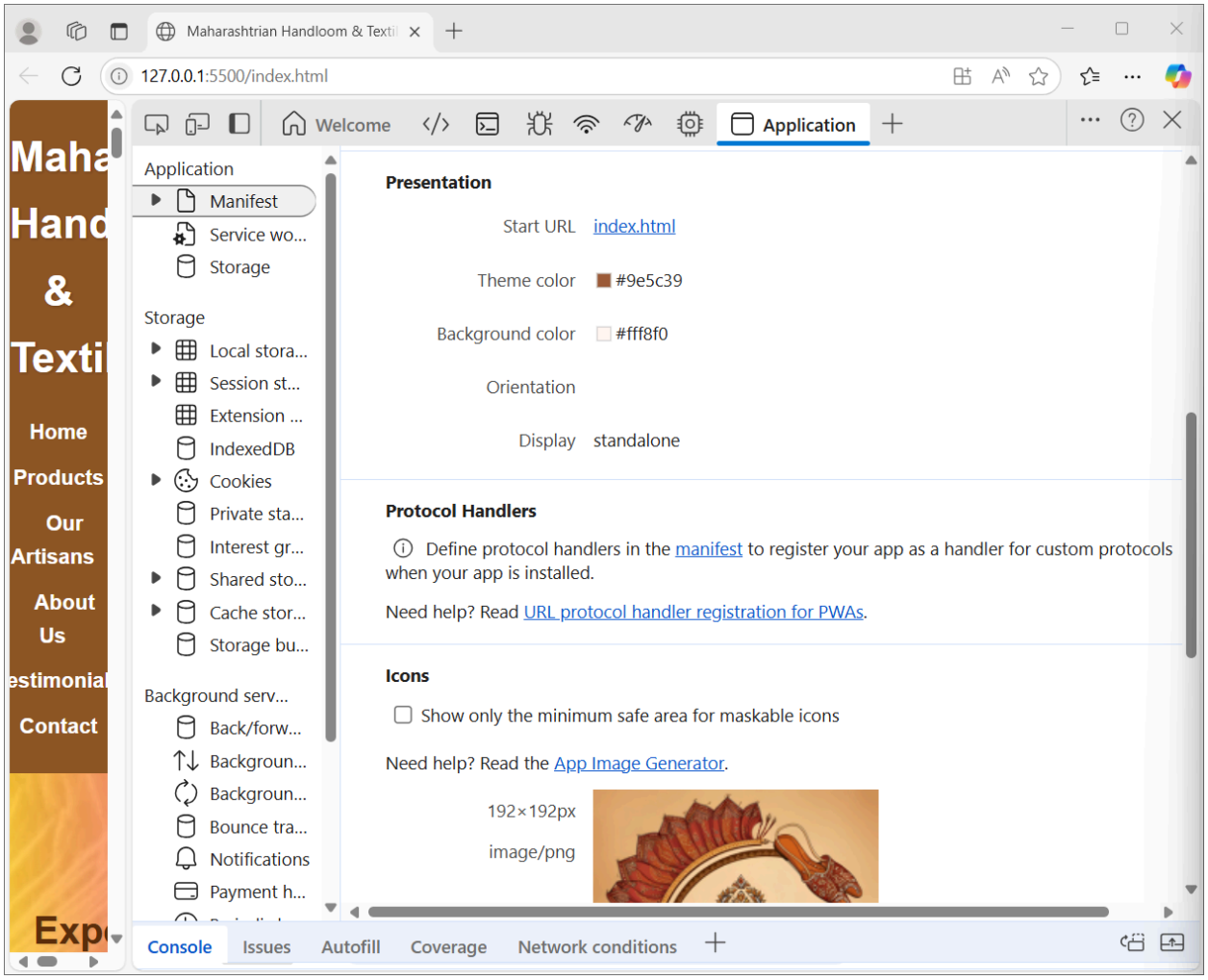
manifest.json

```
{
  "name": "Maharashtrian Handloom & Textiles",
  "short_name": "HandloomTextiles",
  "start_url": "index.html",
  "display": "standalone",
  "background_color": "#fff8f0",
  "theme_color": "#9e5c39",
  "description": "Shop authentic Maharashtrian Paithani sarees, Himroo shawls, and Kolhapuri chappals.",
  "icons": [
    {
      "src": "icons/icon-192x192.png",
      "sizes": "192x192",
      "type": "image/png"
    },
    {
      "src": "icons/icon-512x512.png",
      "sizes": "512x512",
      "type": "image/png"
    }
  ]
 }
```

Screenshot:


Maharashtrian Handloom & Textil
127.0.0.1:5500/index.html
Maharashtrian Handloom & Textiles
Home
Products
Our Artisans
About Us
Testimonials
Contact
Experience the Elegance of Maharashtra's Finest Textiles
Discover handcrafted treasures that weave together tradition and luxury - from majestic Paithani Sarees to intricate Himroo Shawls and authentic Kolhapuri


Welcome
Application
Application
Manifest
Service wo...
Storage
Storage
Local stora...
Session st...
Extension ...
IndexedDB
Cookies
Private sta...
Interest gr...
Shared sto...
Cache stor...
Storage bu...
Background serv...
Back/forw...
Backgroun...
Backgroun...
Bounce tra...
Notifications
Payment h...
App Manifest
manifest.json
Errors and warnings
Richer PWA Install UI won't be available on desktop. Please add at least one screenshot with the form_factor set to wide.
Richer PWA Install UI won't be available on mobile. Please add at least one screenshot for which form_factor is not set or set to a value other than wide.
Identity
Name
Maharashtrian Handloom & Textiles
Short name
HandloomTextiles
Description
Shop authentic Maharashtrian Paithani sarees, Himroo shawls, and Kolhapu chappals.
Computed App ID
http://127.0.0.1:5500/index.html
Learn more
Note: id is not specified in the manifest, start_url is used instead. To specify an App ID that matches the current identity, set the id field to /index.html .
Console
Issues
Autofill
Coverage
Network conditions


Maharashtrian Handloom & Textil
127.0.0.1:5500/index.html
Welcome
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Backgroun...
Backgroun...
Bounce tra...
Notifications
Payment h...
Maha
Hand
&
Texti
Home
Products
Our Artisans
About Us
estimonial
Contact
Exp
Presentation
Start URL
index.html
Theme color
#9e5c39
Background color
#fff8f0
Orientation
Display
standalone
Protocol Handlers
Define protocol handlers in the manifest to register your app as a handler for custom protocols when your app is installed.
Need help? Read URL protocol handler registration for PWAs.
Icons
Show only the minimum safe area for maskable icons
Need help? Read the App Image Generator.
192×192px
image/png
Console
Issues
Autofill
Coverage
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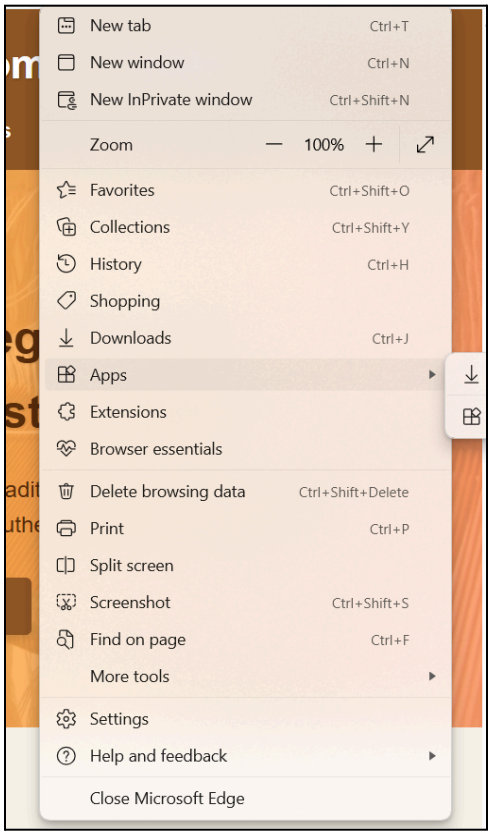
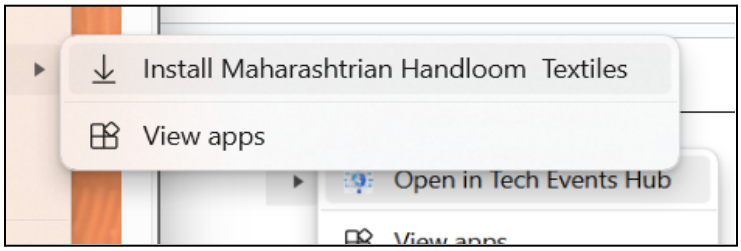
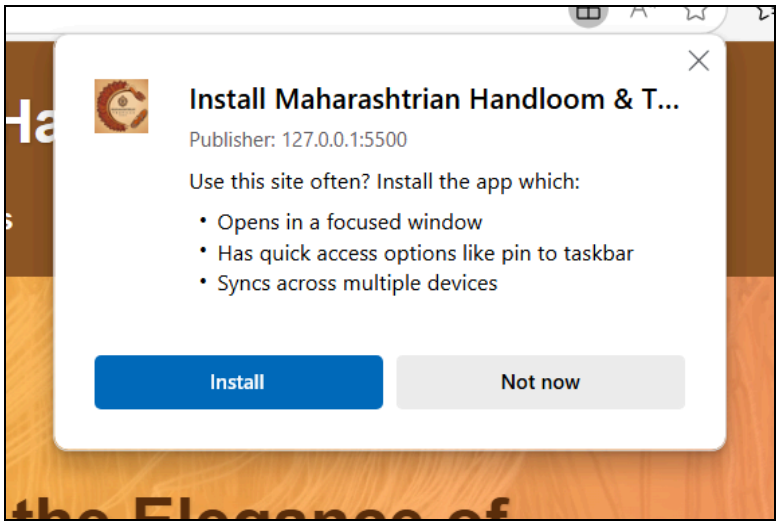
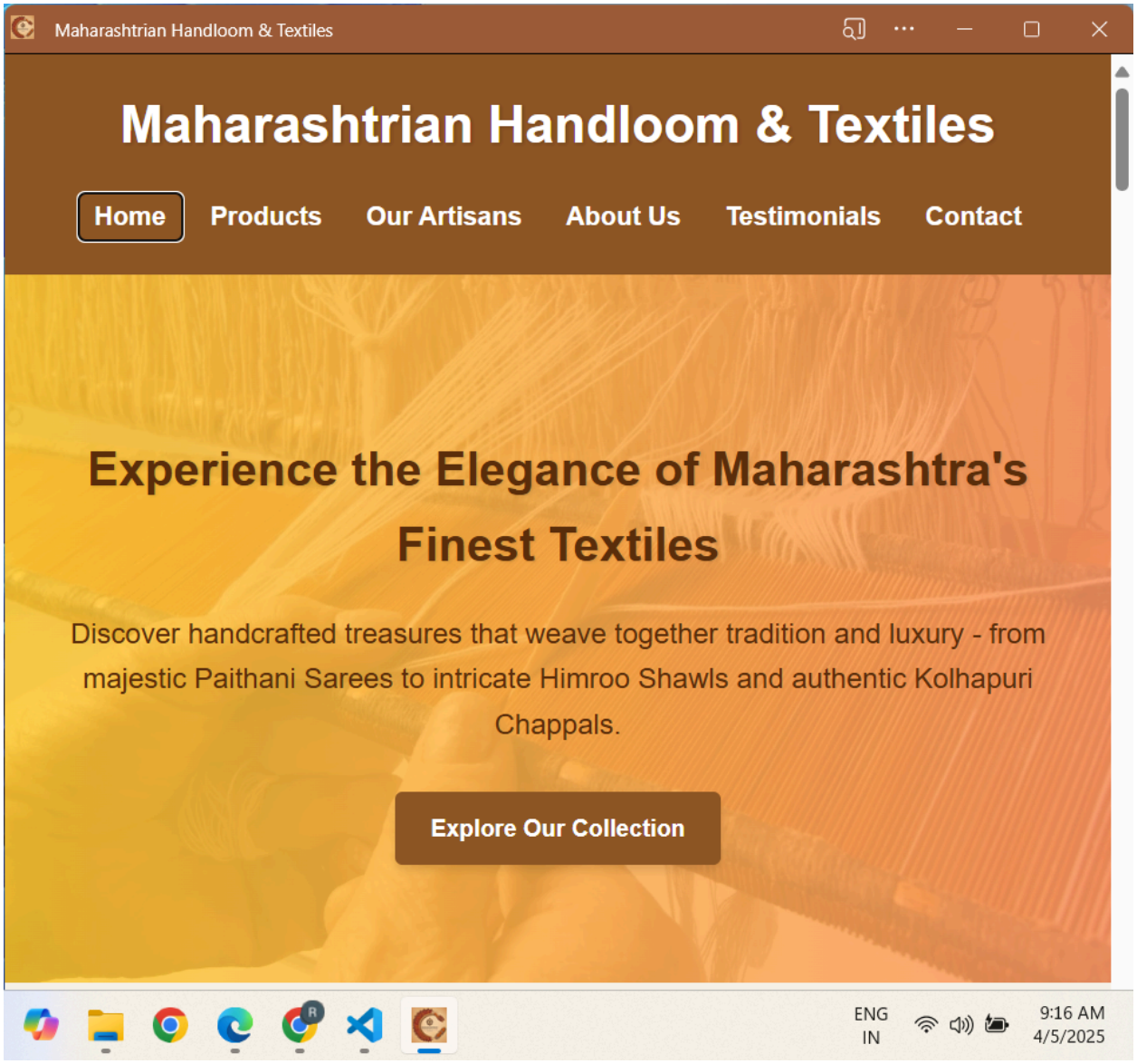

New tab Ctrl+T
New window Ctrl+N
New InPrivate window Ctrl+Shift+N
Zoom 100%
Favorites Ctrl+Shift+O
Collections Ctrl+Shift+Y
History Ctrl+H
Shopping
Downloads Ctrl+J
Apps
Extensions
Browser essentials
Delete browsing data Ctrl+Shift+Delete
Print Ctrl+P
Split screen
Screenshot Ctrl+Shift+S
Find on page Ctrl+F
More tools
Settings
Help and feedback
Close Microsoft Edge


Install Maharashtrian Handloom Textiles
View apps
Open in Tech Events Hub


Install Maharashtrian Handloom & T...
Publisher: 127.0.0.1:5500
Use this site often? Install the app which:
• Opens in a focused window
• Has quick access options like pin to taskbar
• Syncs across multiple devices
Install
Not now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Discover handcrafted treasures that weave together tradition and luxury - from majestic Paithani Sarees to intricate Himroo Shawls and authentic Kolhapuri Chappals.
Explore Our Collection
ENG
IN
9:16 AM
4/5/2025

Maharashtr...
Handloom ...

Conclusion

In this experiment, we successfully implemented the Web App Manifest for our Maharashtrian Handloom & Textiles website, enabling the “Add to Home Screen” feature with custom app name, theme color, and icons. Initially, we faced an issue where the app icon wasn't appearing, which we resolved by correcting the icon file path and verifying the JSON structure.