

Home

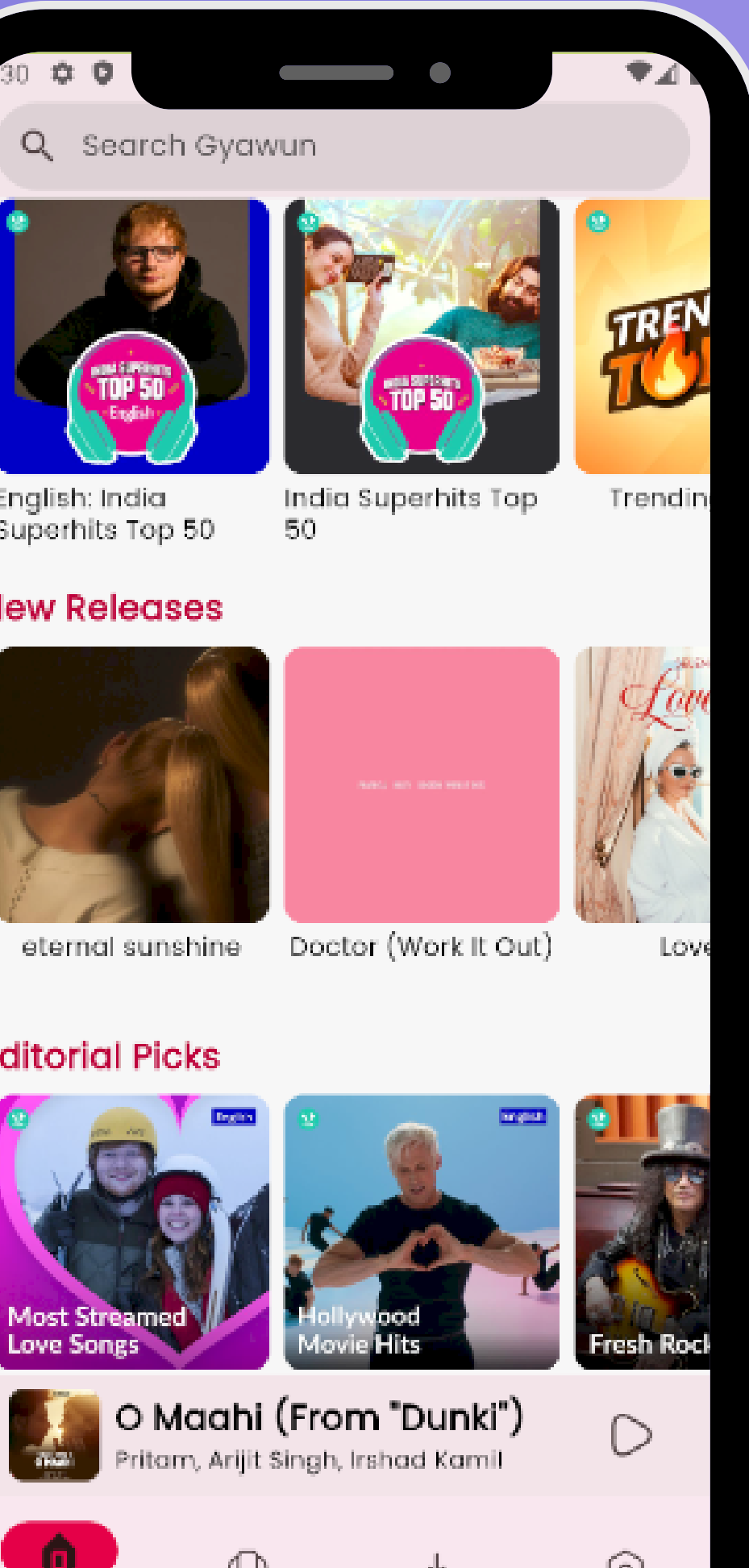
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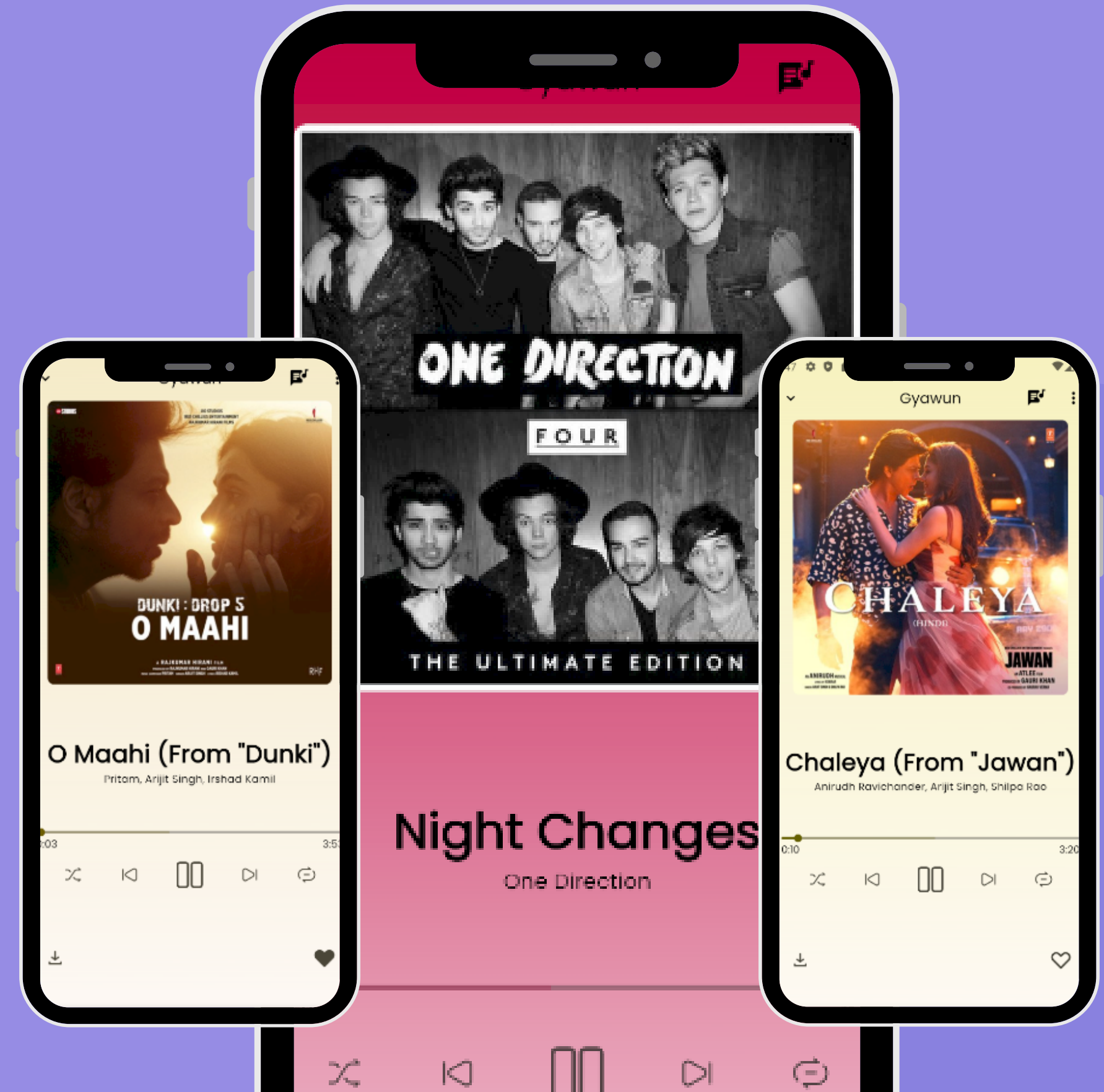
Multi-Source Music Experience

PRESENTED BY -SIDDHI BHOGALE



Introduction

In today's world, music lovers crave variety and control. But juggling between different music streaming services can be a hassle. Switching between apps to find your favorite song or discover new music disrupts the flow and enjoyment of listening. You shouldn't have to compromise on your music experience!

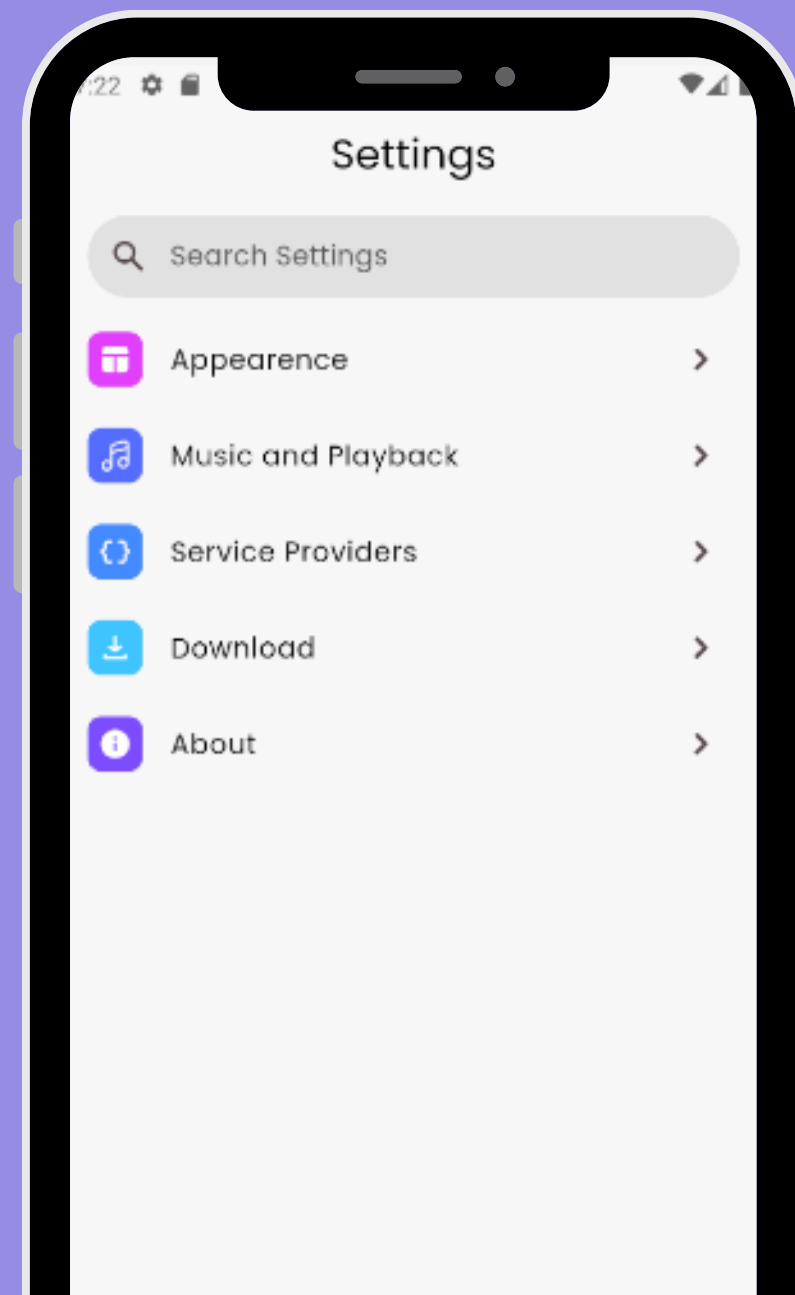
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Problem Statement

- Limited control over streaming quality. Can't adjust the quality based on data usage or preference.
- Difficulty downloading music for offline listening on some platforms, hindering enjoyment without internet.
- Certain songs or artists might be exclusive to one platform, forcing users to switch apps.



Apps Main Features



1

Multi-Source Music Library

Access millions of songs from Youtube Music and Jio Saavn in a single, unified platform. No more switching apps – browse, search, and play music seamlessly from both libraries.

3

Offline Listening

Download your favorite songs for offline playback. Choose download quality based on your storage availability and data usage preferences.

2

Personalized Management

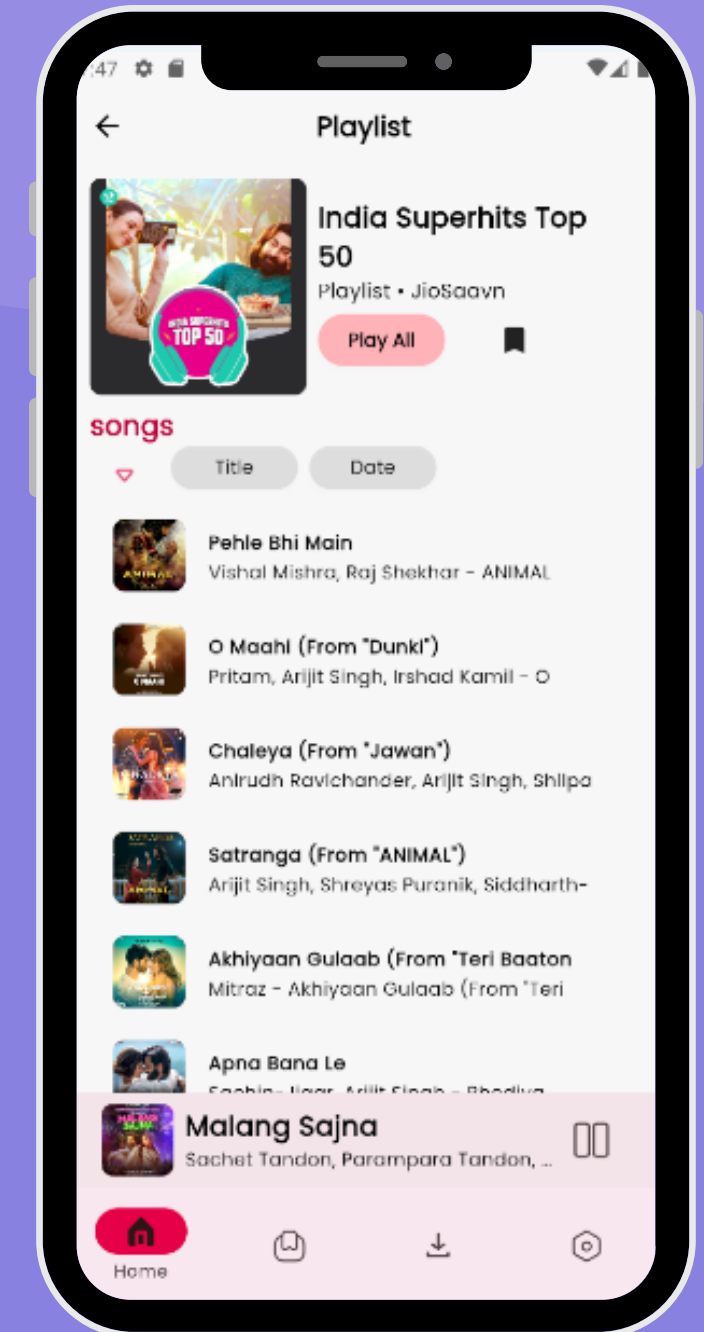
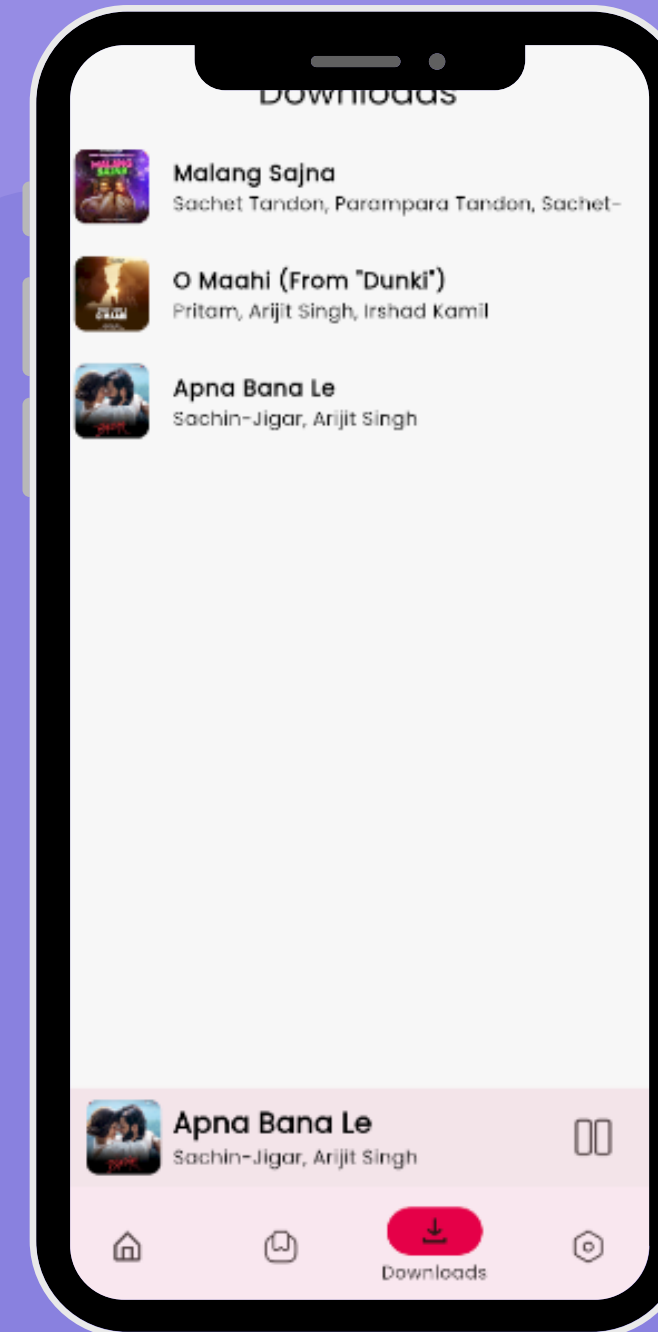
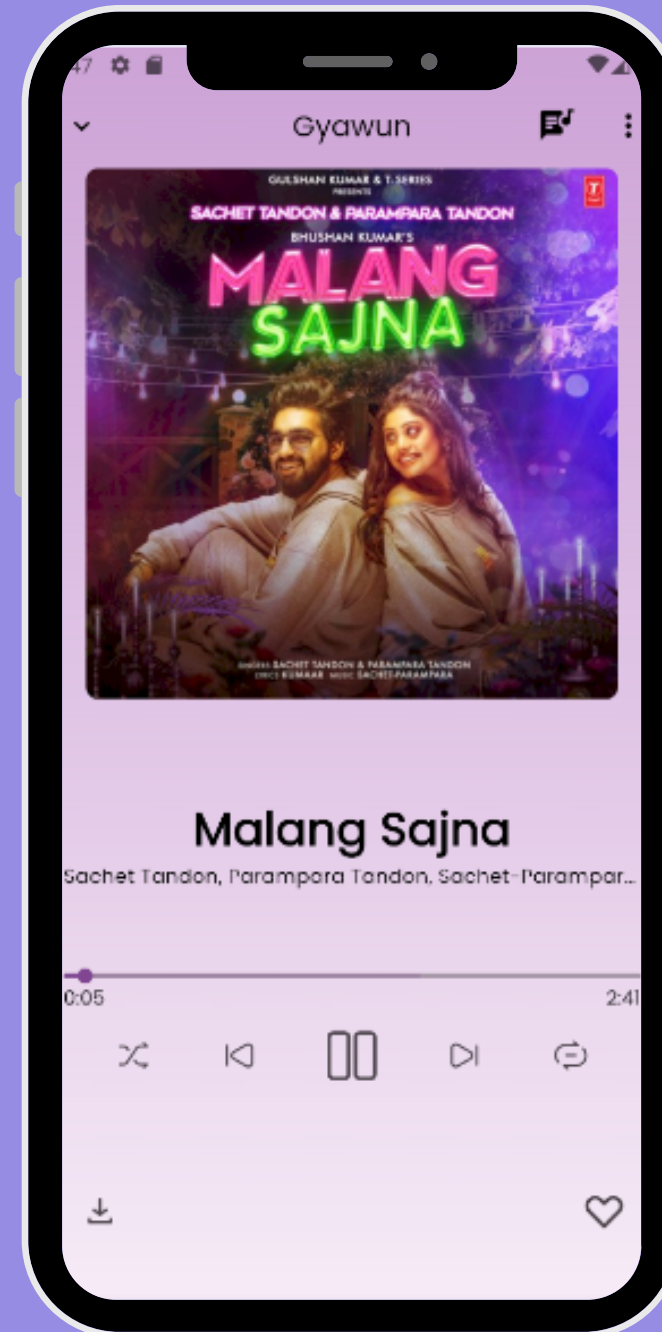
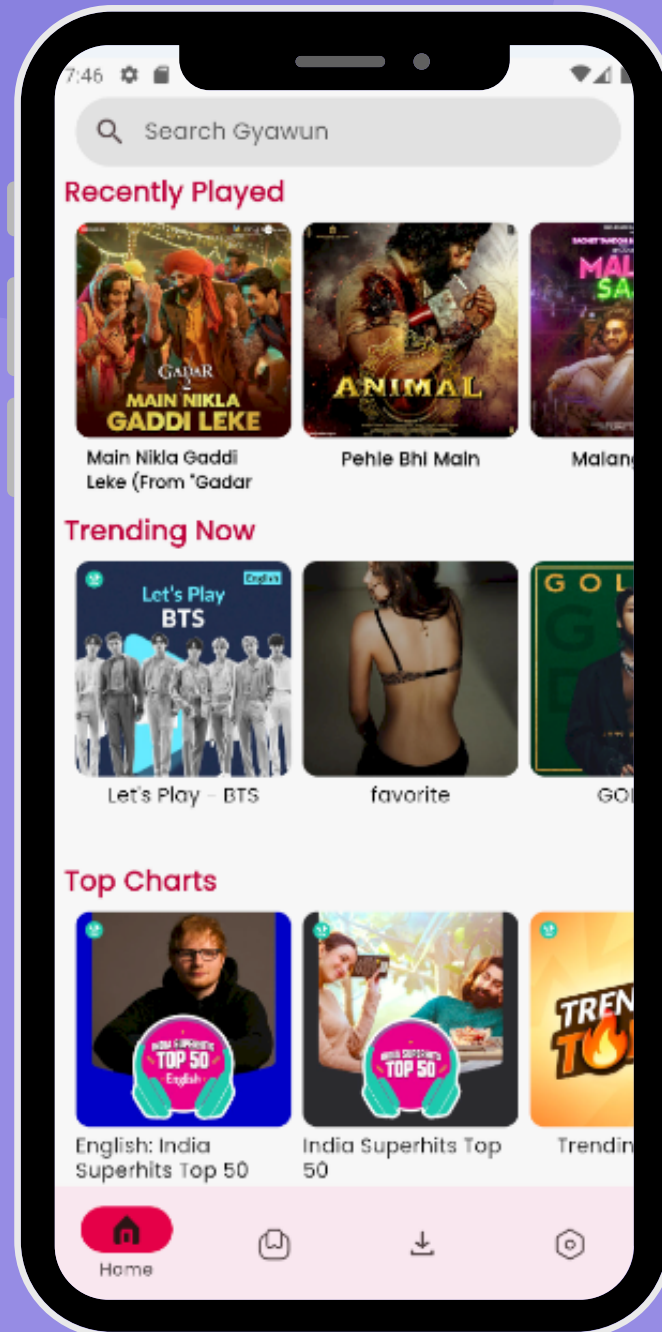
Build personalized playlists that cater to your mood, genre preferences, or any occasion. Save your favorite songs from both platforms for easy access and playlist creation.

4

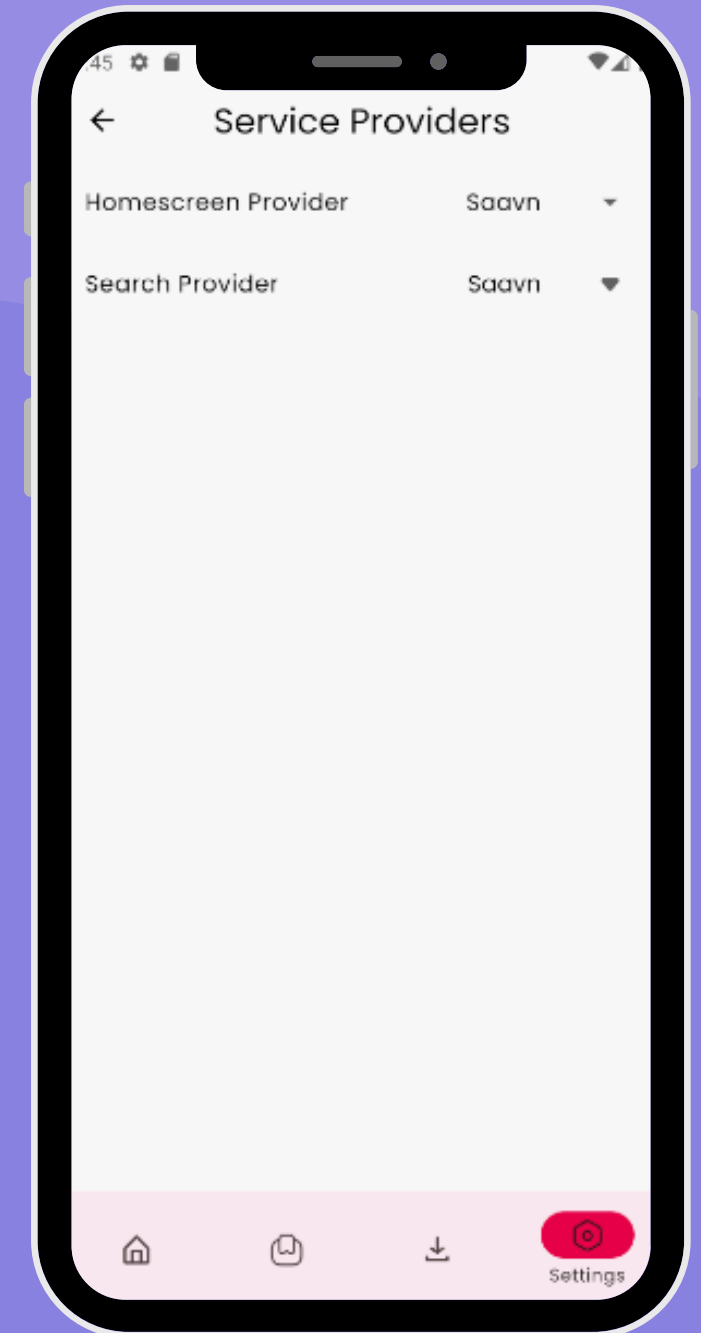
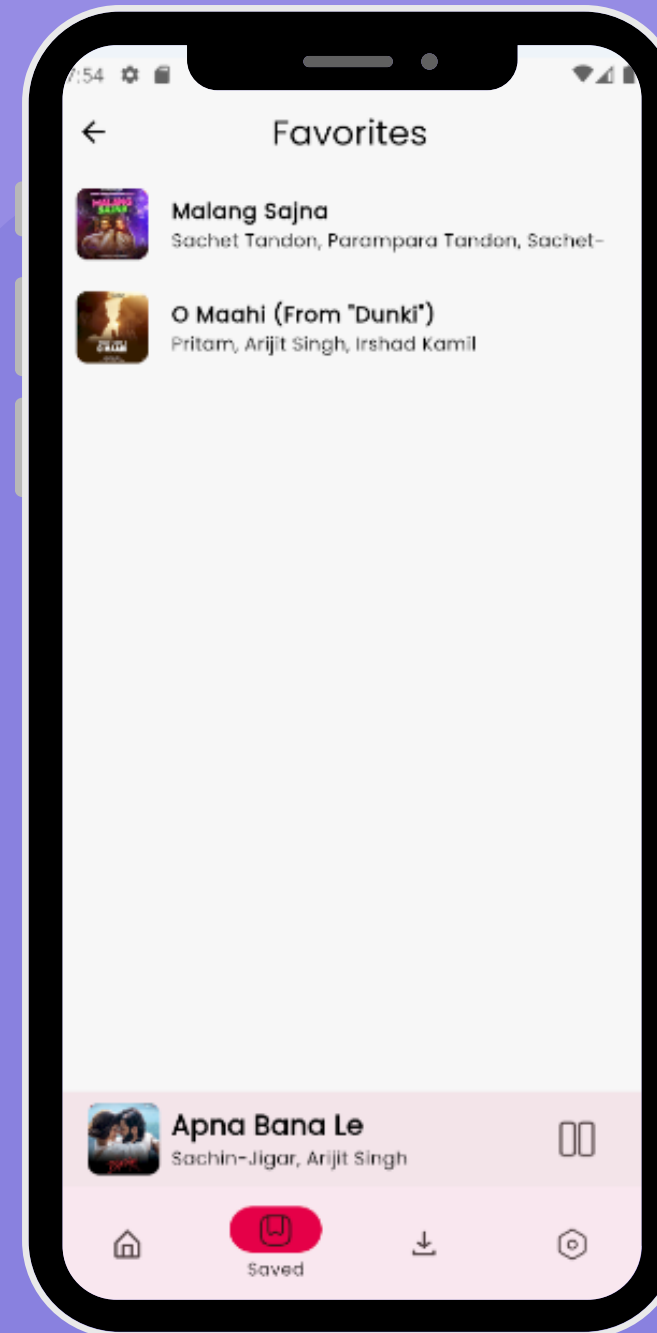
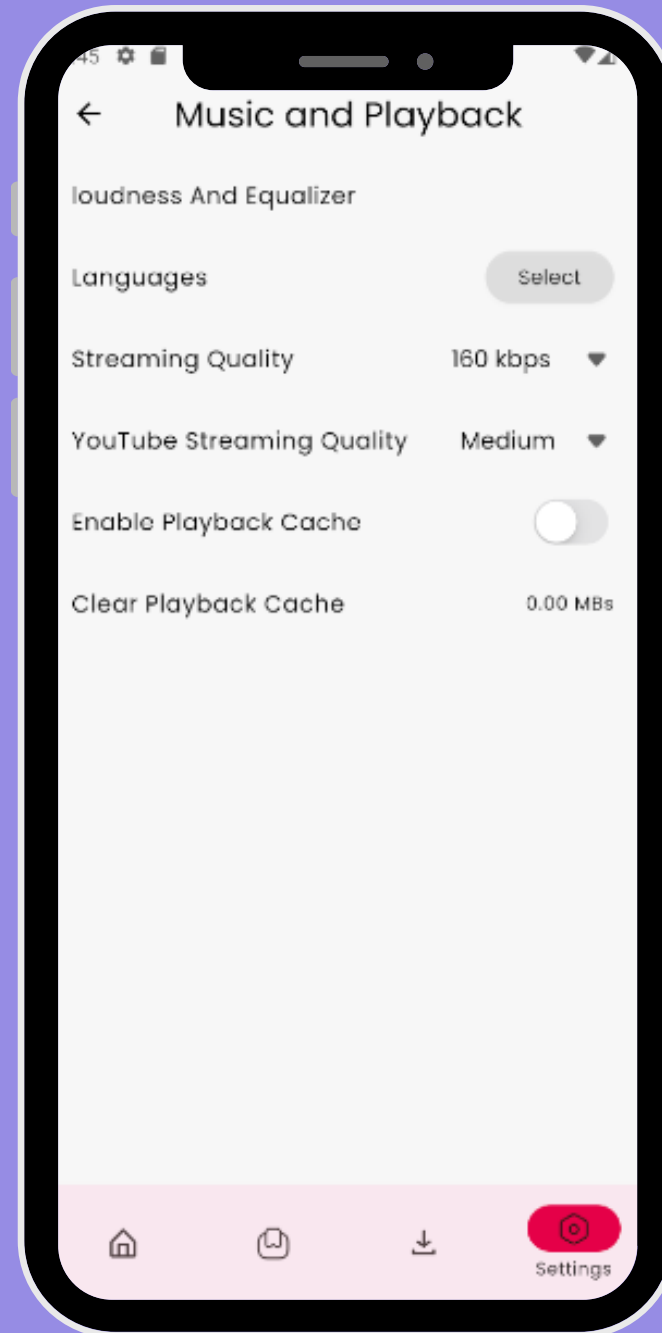
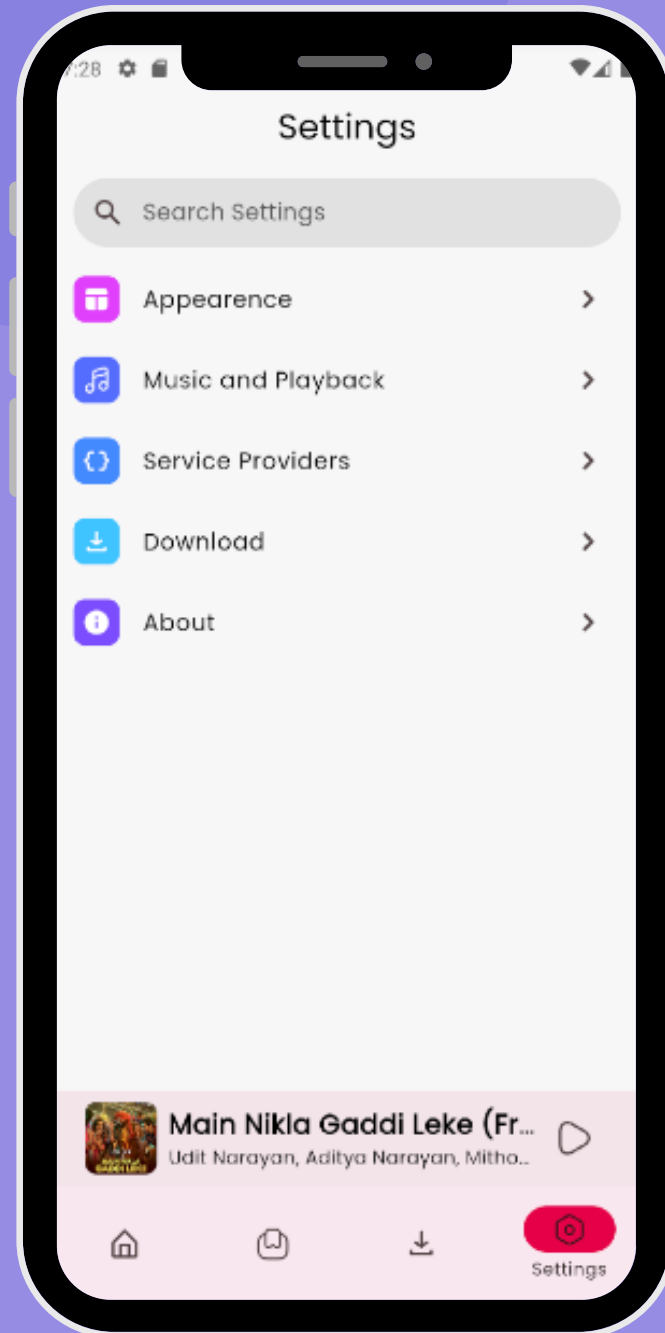
Playback Controls

Take control of your listening experience with adjustable streaming quality for both online and offline playback.

Implementation



Implementation (Additional features)



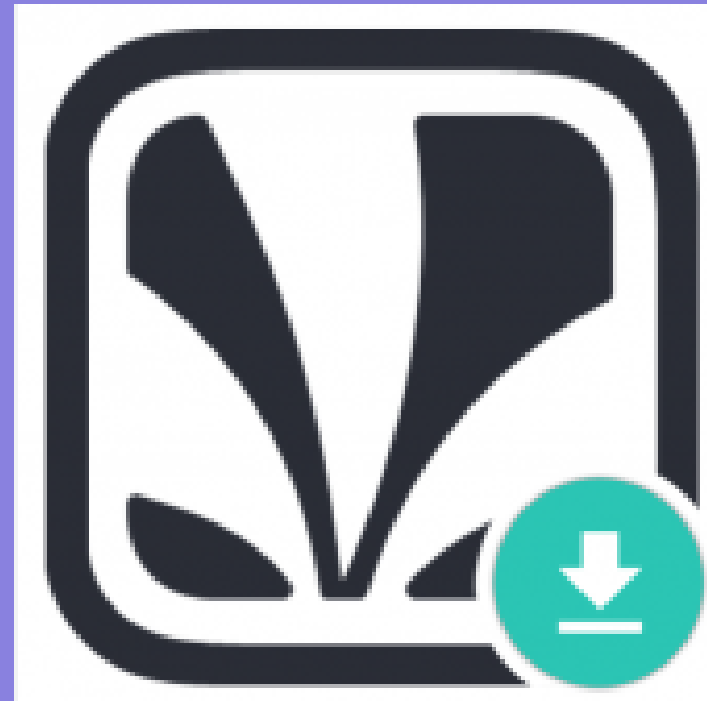
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Technology Stack



Flutter

FLUTTER

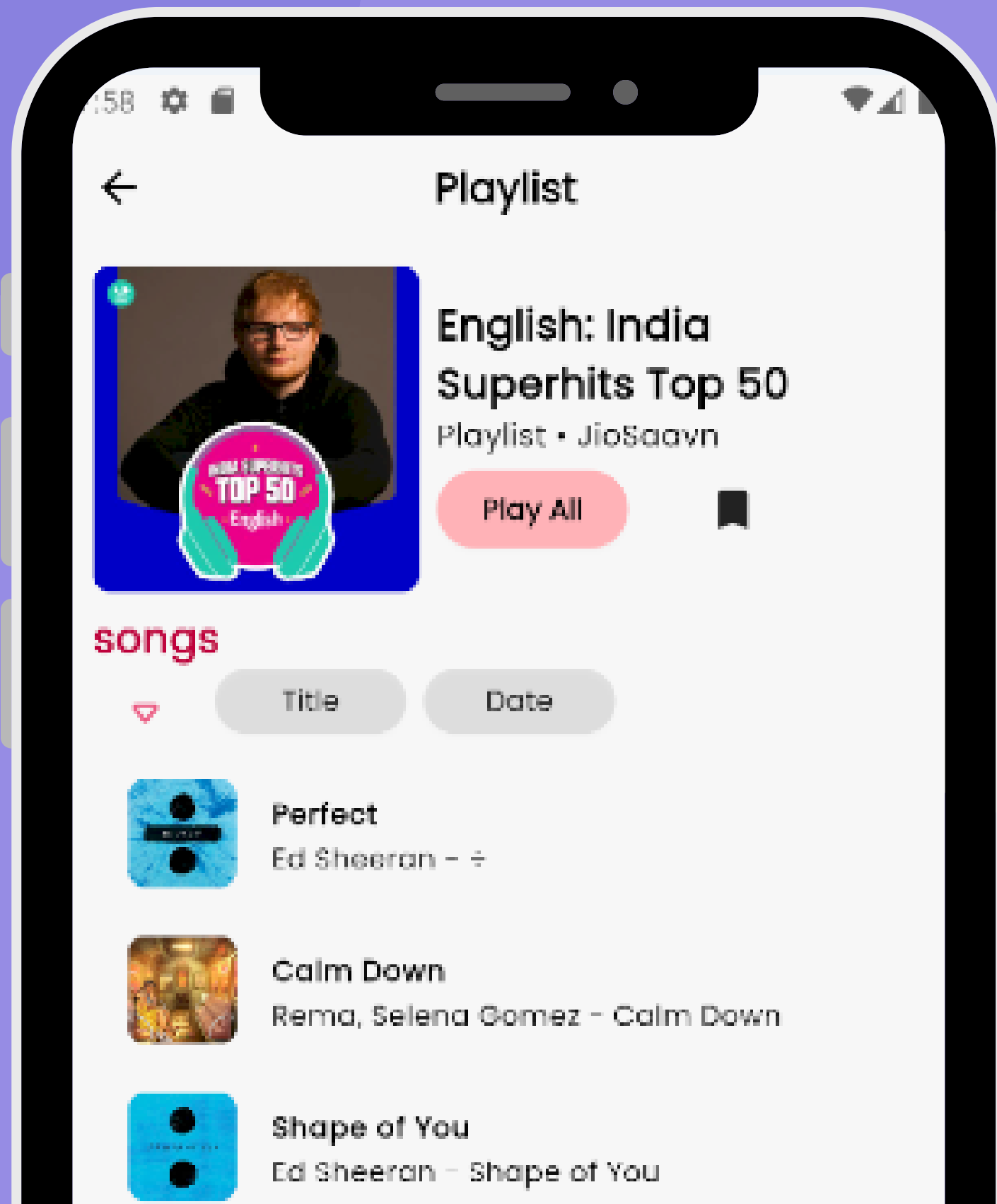


JIO SAVAAN



YOUTUBE MUSIC

Conclusion



With this take control of your music experience. Enjoy millions of songs, seamless switching, and personalized features – all in one app.

Unleash the music that moves you!

Ecommerce PWA

Enhancing Experience with PWA's

Welcome to Our Store

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Featured Products



Product 1

\$19.99

[Add to Cart](#)



Product 2

\$24.99

[Add to Cart](#)



Product 3

\$29.99

[Add to Cart](#)

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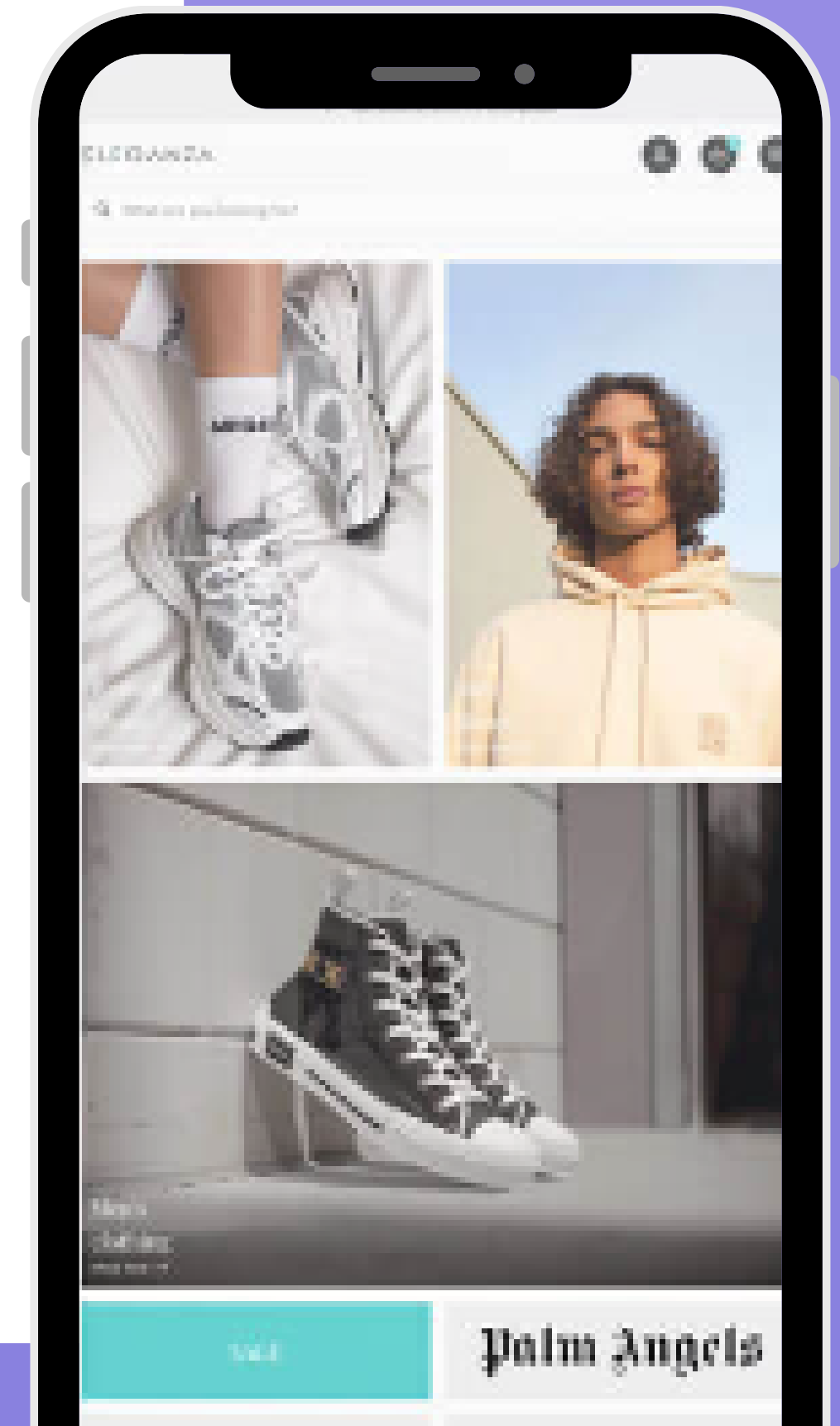
Introduction

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In today's mobile-first world, users expect fast, reliable, and engaging online shopping experiences. Progressive Web Apps (PWAs) provide a solution by bridging the gap between websites and native apps. This presentation will guide you through the key steps to build a powerful e-commerce PWA, enhancing your online store's functionality and user experience.)

Essential Features of PWA

- 1. Add to Homescreen**
- 2. Offline Functionality**
- 3. Push Notifications**
- 4. Fast Loading Speeds**



Implementation

Welcome to Our Store

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Featured Products



Product 1

\$19.99

Add to Cart



Product 2

\$24.99

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Product 3

\$29.99

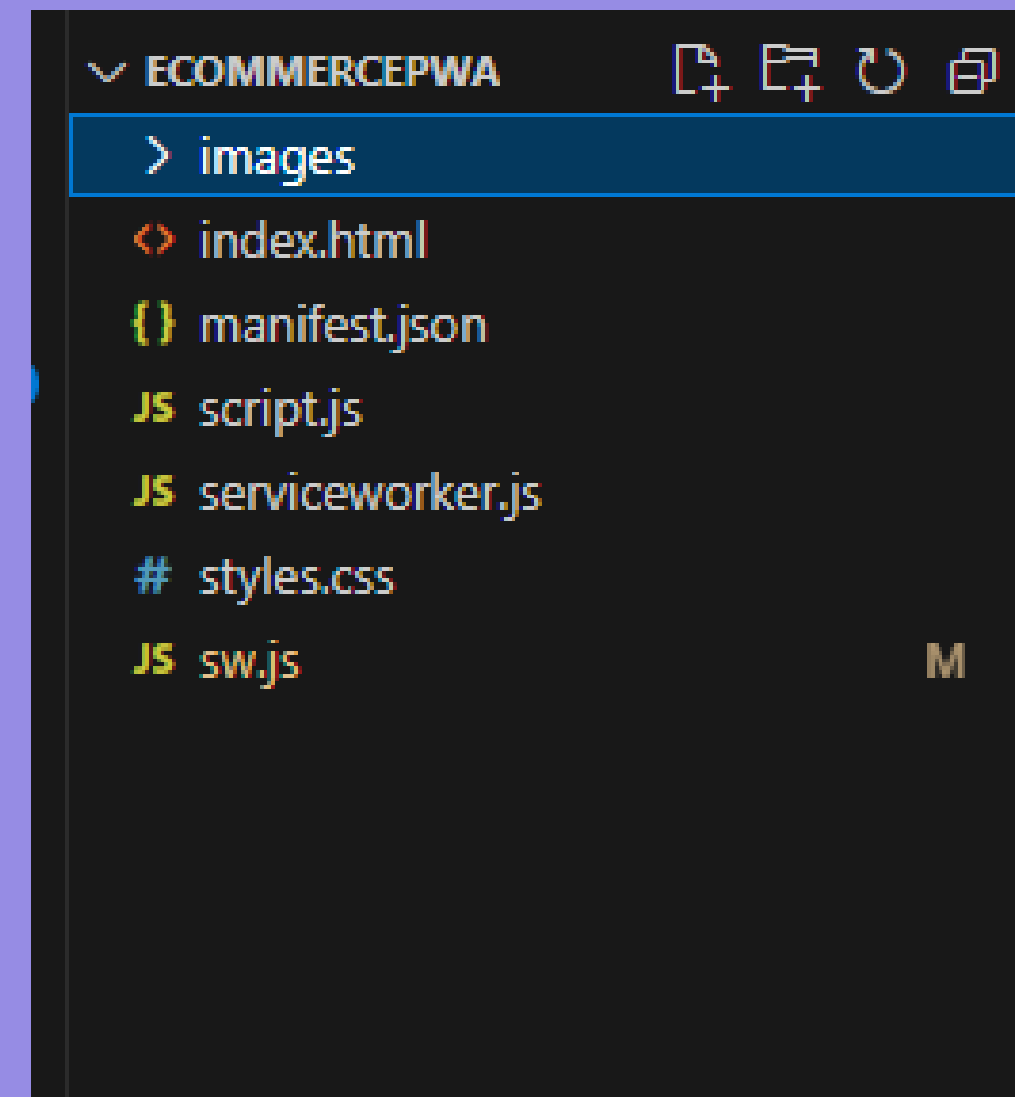
Add to Cart

Implementation

Manifest.json file

```
{  
  "name": "Ecommerce Homepage",  
  "short_name": "Ecommerce",  
  "start_url": "/",  
  "display": "standalone",  
  "theme_color": "#007bff",  
  "background_color": "#ffffff",  
  "icons": [  
    {  
      "src": "images/download.jpg",  
      "type": "image/png",  
      "sizes": "225x225"  
    },  
    {  
      "src": "images/download2.jpg",  
      "type": "image/png",  
      "sizes": "225x225"  
    },  
    {  
      "src": "images/download2.jpg",  
      "type": "image/png",  
      "sizes": "225x225"  
    }  
  ],  
  "description": "Homepage for our Ecommerce store.",  
}
```

File Structure



Service Worker Events

A service worker is a script that runs in the background of a web application, separate from the main browser thread. It unlocks powerful features that enhance user experience and functionality, even when offline.

FETCH EVENT

The fetch event allows a service worker to intercept network requests made by your web app. This enables functionalities like caching frequently accessed resources or handling offline scenarios by serving cached responses.

The screenshot displays the Chrome DevTools interface for a Service Worker. The left sidebar shows the 'Storage' section expanded, listing various storage mechanisms like Local storage, Session storage, IndexedDB, Web SQL, Cookies, Private state t, Interest group, Shared storage, and Cache storage. The main panel shows the 'Clients' tab for the URL <http://127.0.0.1:5500/>. It includes controls for 'Push' (with a JSON object `{"method": "pushMessage", "message": "He"}`), 'Sync' (with the value `test-tag-from-devtools`), and 'Periodic Sync' (also with `test-tag-from-devtools`). Below these is an 'Update Cycle' table showing the worker's lifecycle.

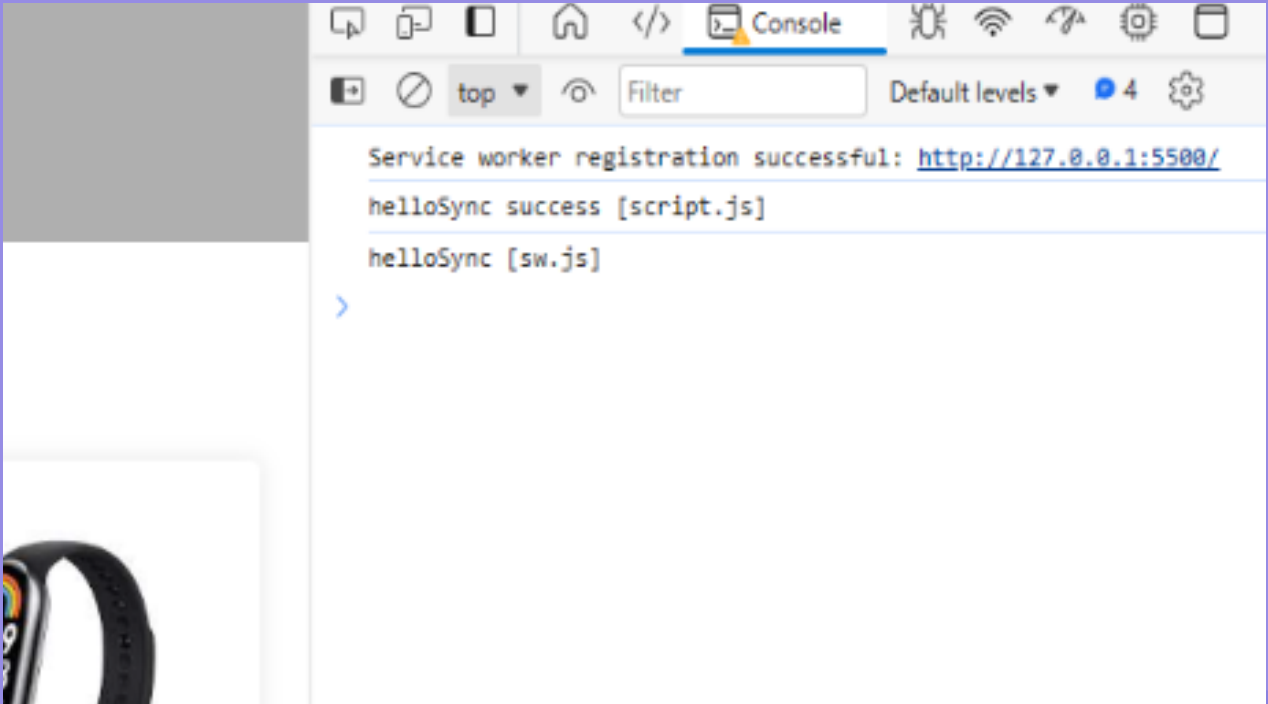
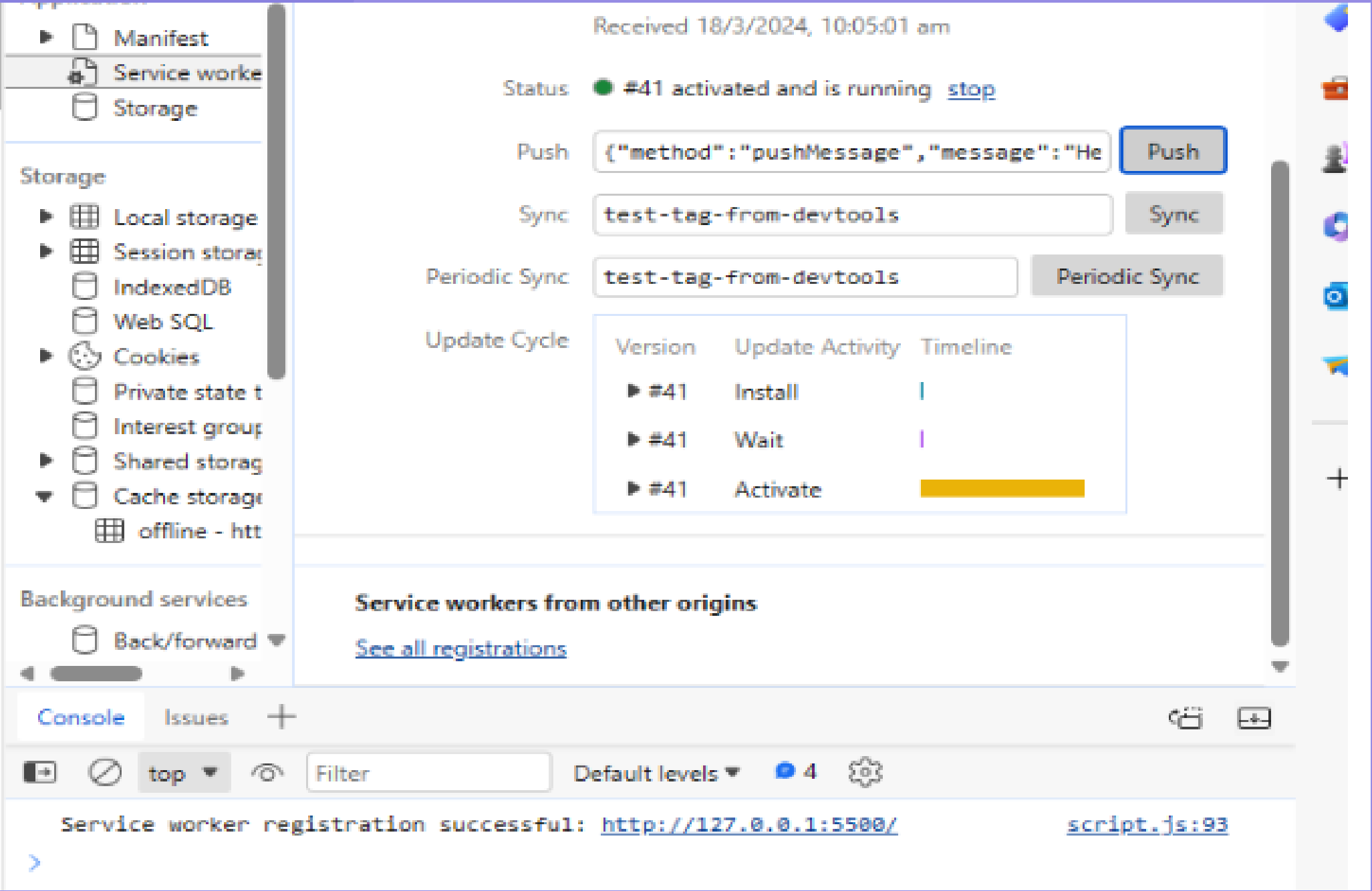
Version	Update Activity	Timeline
#43	Install	
#43	Wait	
#43	Activate	<div></div>

The bottom section, 'Service workers from other origins', is currently empty. The bottom-most part of the image shows the 'Console' tab with four log entries:

- Fetch successful (from network, cached): <http://127.0.0.1:5500/styles.css> [sw.js:93](#)
- Fetch successful (from cache): <http://127.0.0.1:5500/styles.css> [sw.js:65](#)
- Fetch successful (from network, cached): <http://127.0.0.1:5500/script.js> [sw.js:93](#)
- Fetch successful (from cache): <http://127.0.0.1:5500/script.js> [sw.js:65](#)

SYNC EVENT

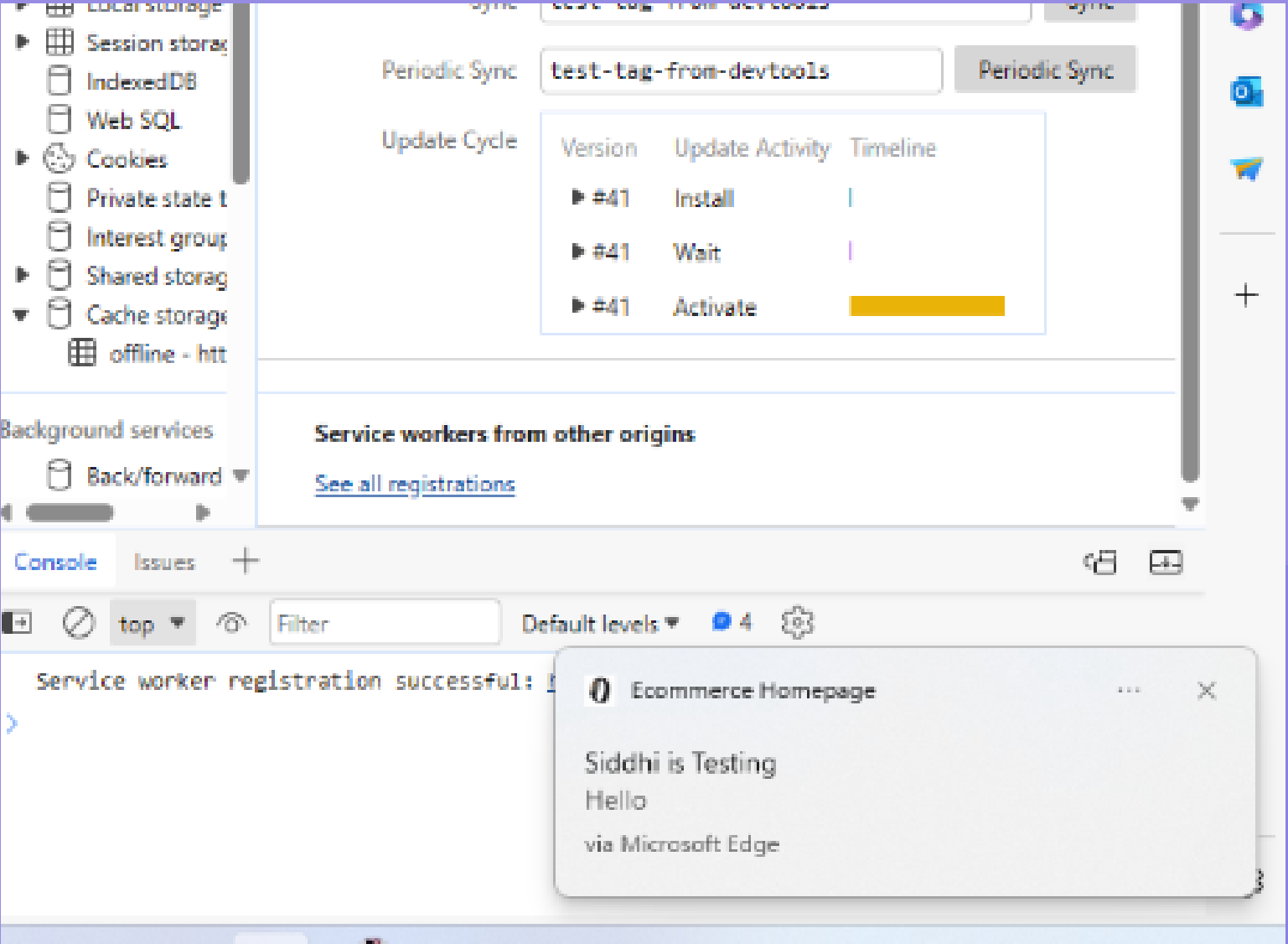
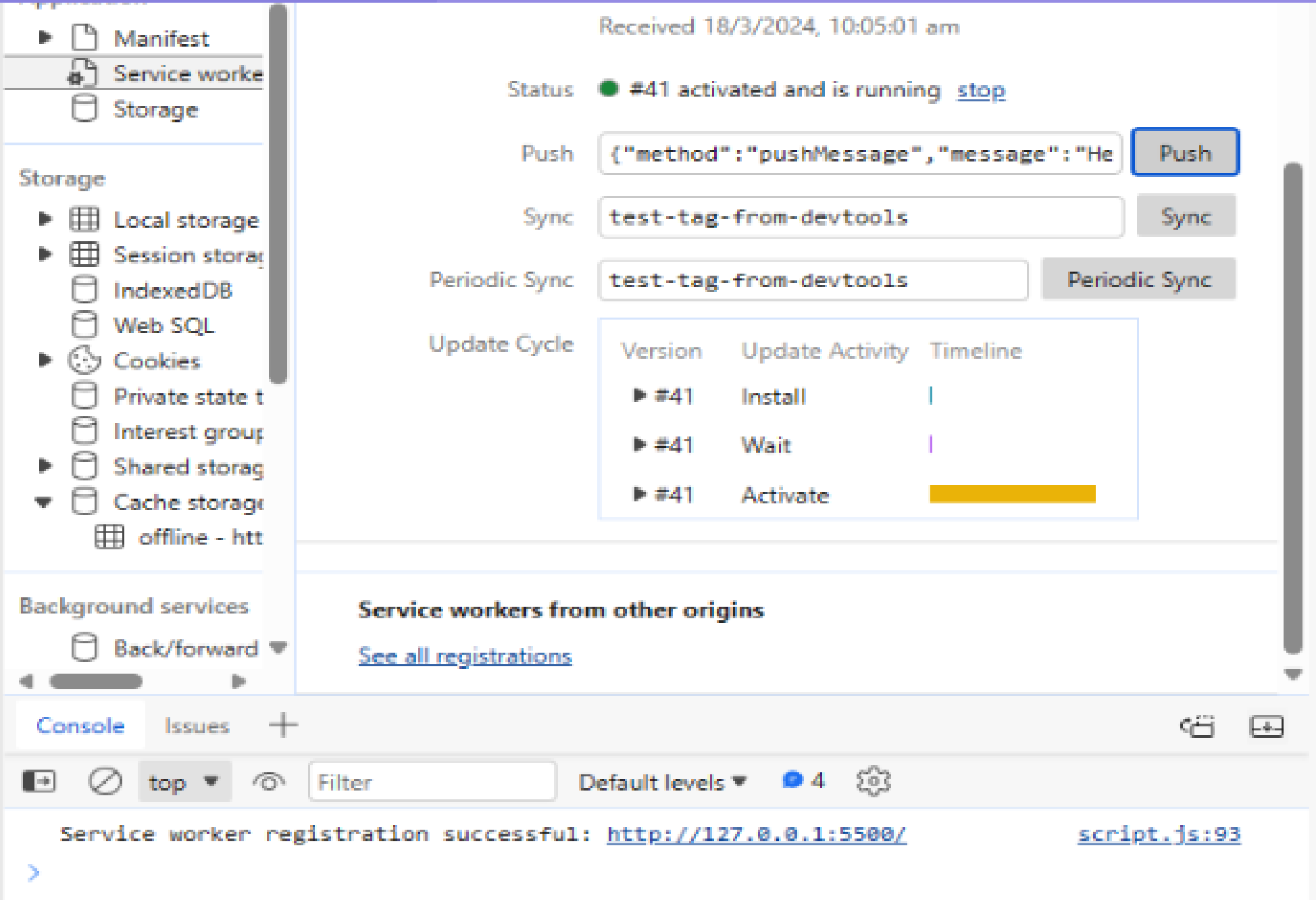
Background Sync is a Web API that is used to delay a process until the Internet connection is stable. We can adapt this definition to the real world; there is an e-mail client application that works on the browser and we want to send an email with this tool.



PUSH EVENT

This is the event that handles push notifications that are received from the server. You can apply any method with received data. We can check in the following example.

“Notification.requestPermission();” is the necessary line to show notification to the user. If you don’t want to show any notification, you don’t need this line.



THANK-YOU

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D15B/06

