Task 2

Universal Links for Song Sharing in Spotify Clone

So there are two methods for sharing the songs : universal link and deep linking.

Deep Linking:

Deep linking allows us to open a specific page within the app using a custom URL scheme (e.g., `spotify-project://song/123`).

How It Works:

1. App is registered with a custom scheme (`spotify-project://`).
2. When a link is clicked, the OS checks if the app is installed.
3. If installed, it opens the app and navigates to the linked content.
4. If not installed, the link won't work unless a fallback is provided.

Limitations:

1. Doesn't work if the app is not installed.
2. Security risk as any app can claim the same URL scheme.

Universal Links

Universal Links use standard HTTPS URLs to open a specific page inside the app if installed or redirect to a website if not.

How It Works:

1. The app is associated with a domain (`https://my-app-dipak.com/song/123`).
2. When a user clicks the link, the OS checks if the app is installed.
3. If installed, the app opens and navigates to the linked content.
4. If not installed, the link opens in a web browser.

Limitations:

1. Requires web domain ownership and server-side configuration
   (`apple-app-site-association` file for iOS, `assetlinks.json` for Android).
2. Slightly complex setup compared to deep linking.

I have gone through implementing the task but I faced some issues and tried to resolve it.

Issues :

- ☑ ~~I set up my project using react-native-cli.~~
- ☑ ~~I faced Indirect URI Invalid (Resolved it).~~
- ☑ ~~App Not Opening, Redirects to App (Currently working on).~~
- ☑ ~~And also reading the linking docs.~~