

APRIL 27

CODE A PLAYLIST APP WITH GRAPHQL & REACT NATIVE



About the Assembly

- A smart lab based out of In5 since Dec 2014
- Over 250 free workshops done
- ASSEMBLY: HACK - Embedded systems, IoT and hardware
- ASSEMBLY: CODE - Software projects - APIs, frameworks, apps
- Age range: 16-60 - students, professionals, entrepreneurs
- Focus on smart technology and practical applications
- Forum: members.theassembly.ae



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Overview

TOPICS:

1. What Is Node.js and why to use it?
2. Companies using Node.js
3. Introduction to JavaScript language
4. Introduction to React Native, Expo Client & GraphQL
5. Creating a server with Sandbox for GraphQL
6. Playlist Creation



Getting started

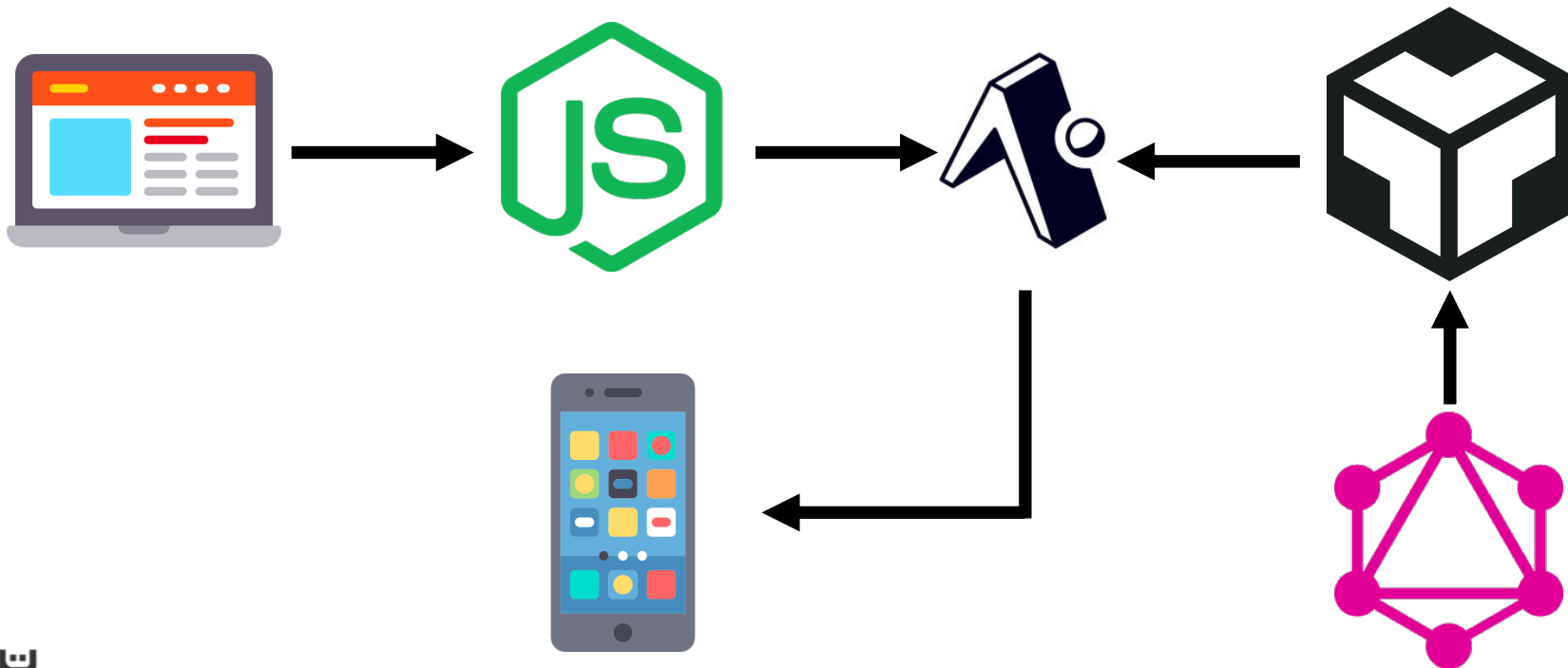
1. Install any Code Editor
2. Install Node.js & Git
3. Install React Native
4. Install Expo Client
5. Install Apollo Boost, React Apollo & GraphQL

GitHub - https://github.com/The-Assembly/Spotify_playlist_ReactNative_GraphQL.git



PLAYLIST APP WITH GRAPHQL & REACT NATIVE ARCHITECTURE

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What is

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Companies that use Node.js

mobile-app backend

makes scaling up
of resources a
simplistic affair

single cloud database to
dramatically reduce the
access timelines

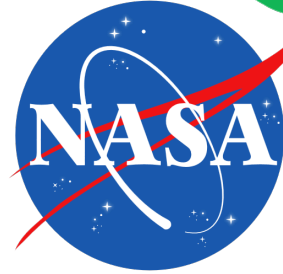
LinkedIn

PayPal

online payments platform

Uber **js** ebay

specific services
that display a lot of
information on the
page



NETFLIX

testing to run its high-capacity data-driven
platform

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What is React Native?

- A framework for building rich mobile interfaces using only JavaScript.
- Created by Facebook, based on its React.js libraries; follows the same design principles, but uses declarative native components

<https://facebook.github.io/react-native/>



Previous Projects on React Native

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- Build A Swipe-Deck Quiz app using React Native
- Code a Real-Time Location Sharing App With Pusher And React Native
- Make a Ride Share App using Pusher and React Native



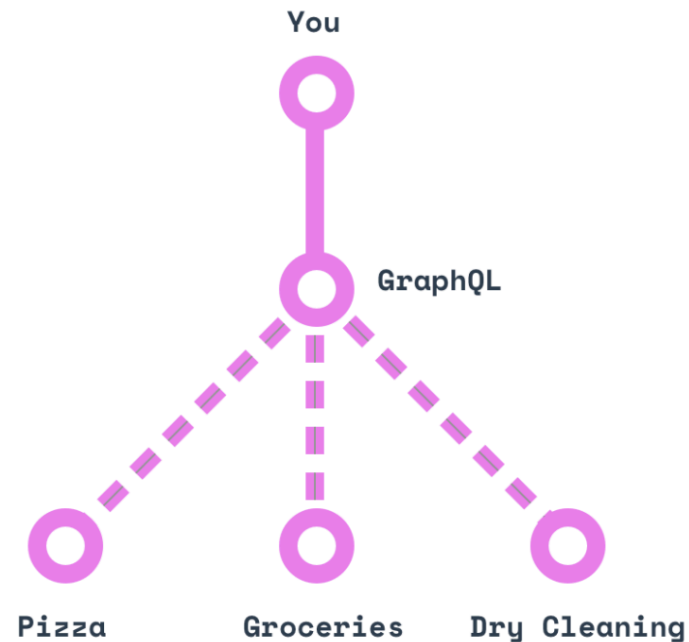
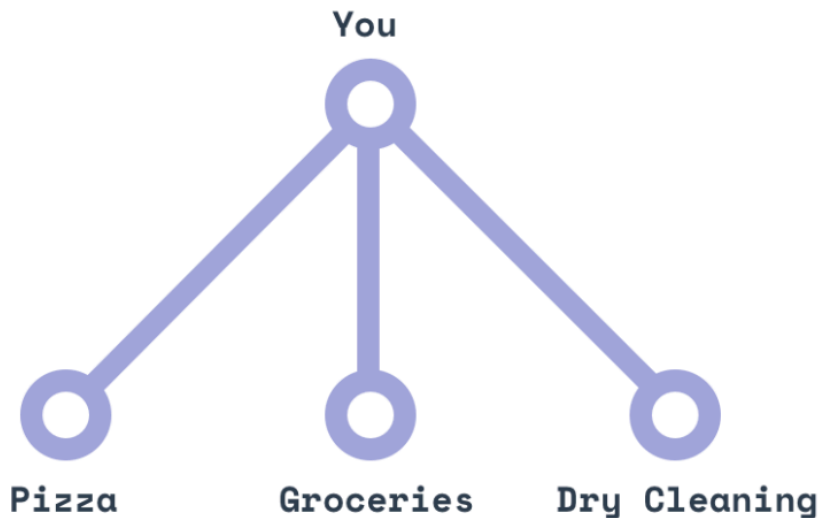
WHAT IS
EXPO
CLIENT?



- A toolkit - wraps around React Native projects to remove dependency on Xcode/Android SDK
- Allows for quick testing and pre-release deployment
- Additional UI components, access to more device functionality
- Push notifications easy to deploy



WHAT IS GRAPHQL?





Dependencies that will be used

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[apollo-boost](#)—It is a zero configuration way of getting started with GraphQL in react.

[react-apollo](#)—Apollo client is the best way to use GraphQL in client-side applications. React-apollo provides an integration between GraphQL and Apollo client

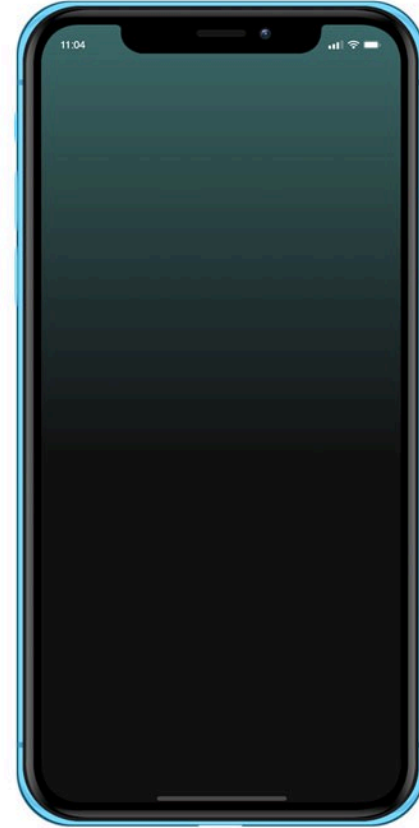
[graphql-tag](#)—A JavaScript template literal tag that parses GraphQL queries

[graphql](#)—The JavaScript reference implementation for GraphQL. Needed to resolve a conflict with Expo.



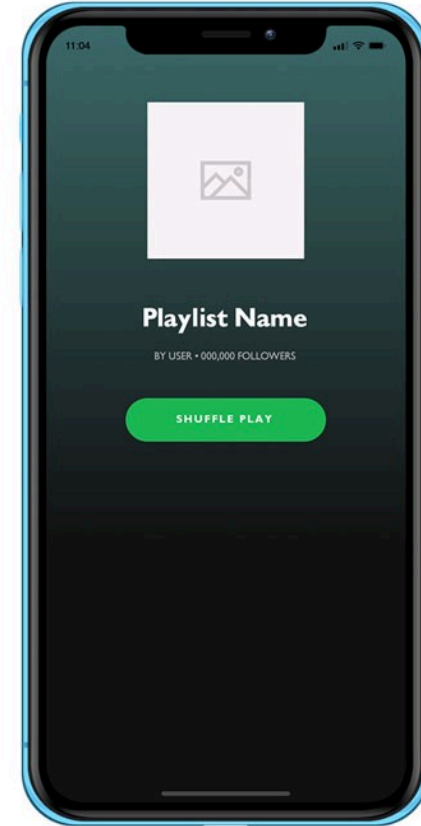
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Step 1 – Creating a Template



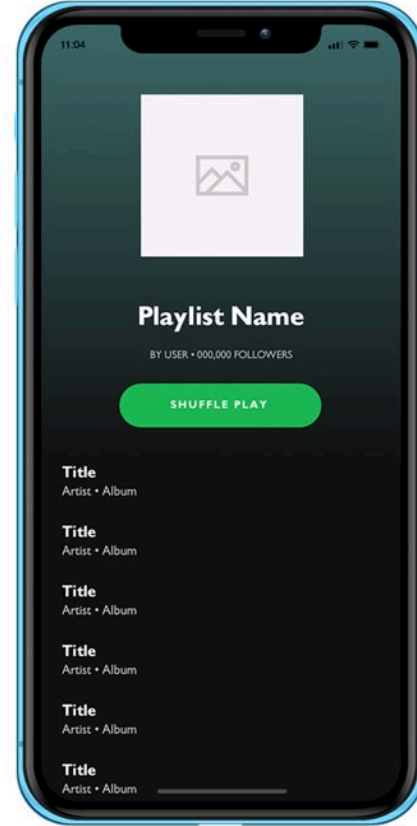


Step 2 – Adding Image, Text and Button





Step 3 – Adding More elements along with Scroll View



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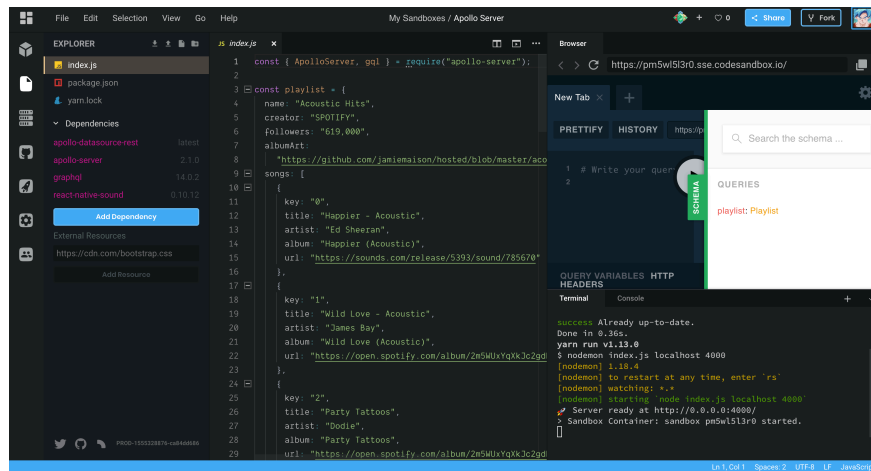
What is

CODESANDBOX

?

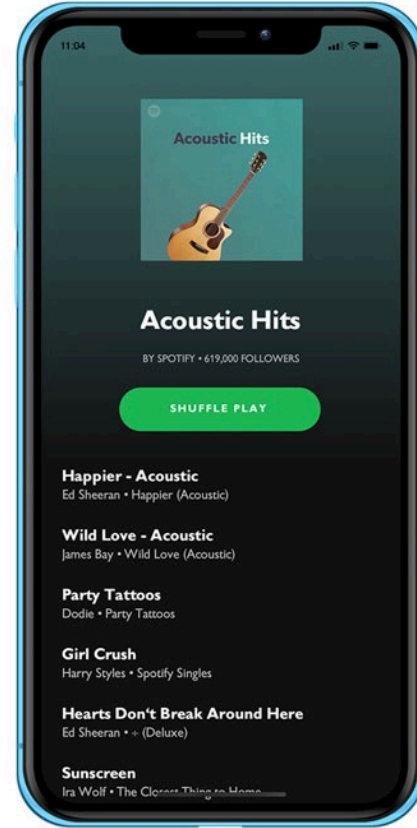


Step 4 – Setting up GraphQL Sandbox Repository





Step 5 - Playing Songs





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THANK YOU