

ADR for List App

STATUS

Proposed

CONTEXT

We will be developing a simple list app for mobile devices. Since this is the first time we are making an app we will keep the tech stack and features somewhat simple.

DECISION

Native - We have decided to go with a native mobile application so we can put all our focus into it, instead of worrying how the app will behave on other devices.

UI Framework- We have decided to go React Native, as we have prior experience in it due to previous classes.

Backend language- For the backend we will be using Node.js because we are currently learning it in class and the teacher can provide us with valuable feedback regarding this.

Permissions- The permissions this app would need would be the local storage so that the information can be saved on the device. There is no need to send all this data to some external source, this can save us on costs.

Data storage- We will be using SQLite for our apps storage. The data we will be storing will not be complex so this will provide nice performance. It is also available for both IOS and Android devices.

CONSEQUENCES

- By choosing to focus on creating a native app we can put all of our focus into creating an app optimised for the mobile experience.
- Our familiarity with the tech stack will help us build the app without needing to learn the ins and outs of other languages. This will help simplify the development process

- As we are only planning on storing data on the device this will help us keep costs low since we do not need to pay for any separate storage space.