Mobile Applications for Sensing and Control

EE P 523 Sp23 M W 4:00—5:50p ECE 045

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Week 2

React Native Image Picker

- A React Native module that allows you to select a photo/video from the device library or camera

- Step 1 — Create a basic React Native app √
- Step 2 — Set up React Native Image Picker
- Step 3 — Use React Native Image Picker to pick images in app

Image Picker Library

- The React Native Image Picker library is a popular and widely-used library for handling image selection and capture in React Native applications. It provides a simple and convenient API for accessing the device's camera and photo library, allowing users to take new photos or select existing images from their device.

- <u>Library</u>
  - https://github.com/react-native-image-picker/react-native-image-picker

Image Picker Library

Feature	Description
Accessing the device's camera	Launch the device's camera directly from the app, enabling users to take new photos.
Accessing the device's photo library	Access the photo library on the device, allowing users to select existing images.
Customizable options	Configure various options, such as image quality, cropping, and camera type (front/back).
Handling permissions	Simplify requesting and handling camera and photo library permissions.
Cross-platform compatibility	Compatible with both Android and iOS platforms, providing a consistent API across devices.
Handling response data	Receive a response object containing image metadata, such as URI, dimensions, and file size.
Video support	In addition to images, the library also supports capturing and selecting videos.

How to Install Image Picker

- `npm install react-native-image-picker`

- **or**

- `yarn add react-native-image-picker`

How to Install Image Picker – Permission

- Once you have done the installation successfully, you will get a success message in your terminal window. You now have to make sure to add permissions. If you do not perform this step, the app might crash or won't work when using react-native-image-picker.

- Group Work:
  - Find out how to add proper permission.
    - Hint 1 - This information can be found in the React Docs (or simply search online)
    - Hint 2 - Request permission to access the camera in your AndroidManifest.xml (Android) and Info.plist (iOS) files.

LaunchCamera

- Start Exploring

ICTE 2

- Will be announced in class