Accessing the Camera

Jogesh K. Muppala

THE DEPARTMENT OF
COMPUTER **S**CIENCE & **E**NGINEERING
計算機科學及工程學系

香港科技大學
THE HONG KONG UNIVERSITY OF
SCIENCE AND TECHNOLOGY

Accessing the Camera

- Cordova provides a camera plugin with the API for taking pictures
  - Can also choose images from the system's image library
- Installing the Plugin:

  ionic plugin add cordova-plugin-camera

ngCordova Wrapper

```
$cordovaCamera.getPicture(options)
.then(function(imageData) {
        $scope.registration.imgSrc =
                "data:image/jpeg;base64," + imageData;
}, function(err) {
        console.log(err);
});
```

Camera Data and Options

- Image data will be returned as:
  - A string containing base64-encoded photo image
  - A string representing the image file location on local storage (default)
- Options specified as a JS object:
  - quality, destinationType, sourceType, encodingType, targetWidth, targetHeight, mediaType, saveToPhotoAlbum etc.

Exercise: Using the Camera Plugin

- Use the Cordova camera plugin together with the ngCordova wrapper to access the device's native camera to retrieve image data

- Make use of the image data within your application