



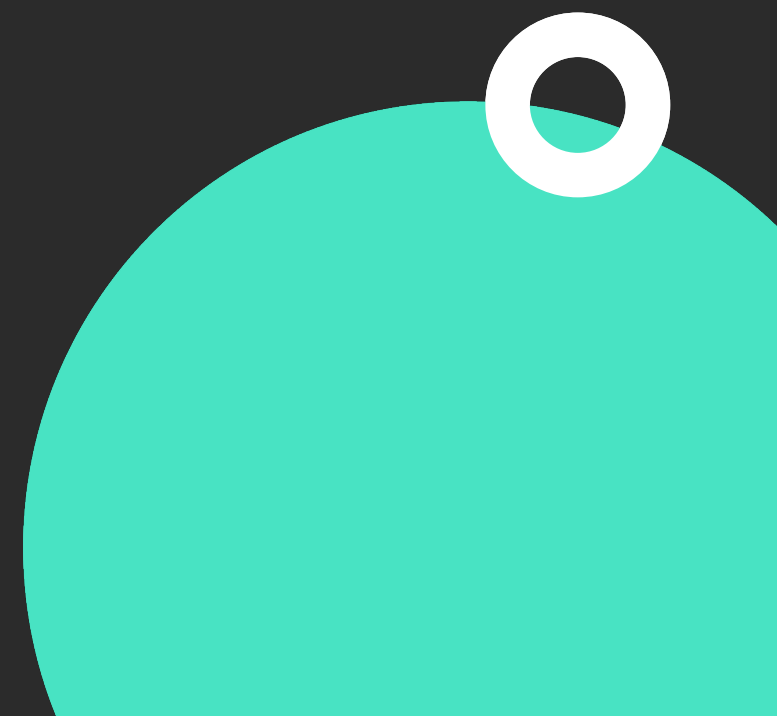
Scan Barcodes with ML Kit on Android



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Camera APIs before CameraX

- Inconsistent behavior across device types and manufacturers
- Random crashes
- A lot of code to setup
- Custom implementation for complex use cases like bokeh, HDR, etc



Camera APIs after CameraX

- Consistent across devices
- Built around use cases
- Extension APIs for Bokeh, HDR, etc
- Very easy to setup.



CameraX Use Cases

- Preview
- Image analysis
- Image capture
- Video capture





Code Challenge



Challenge

For this challenge, add a way to toggle the phone's flash to make it easy to read barcodes in low light.

You first need to add a button Composable that the user can click. The drawables needed for the button are already present in the project.

Then, call the required CameraX API on the `CameraController` to toggle the flash.

Use the Android documentation or StackOverflow to arrive at the solution.





Thank You!



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