

Technologies and programming languages

Kotlin: I decided to use Kotlin for the back-end development of my app. It is very popular in Android development. It is easy to use and it is growing widely. It is interoperable with Java, letting me use both Java and Kotlin in my project.

XML: XML is a marked-up language often used for front-end development. I decided to define the UI layout of my app using XML.

Android Studio: Although there are plenty of problems installing and using Android Studio in Iran, I decided to use it as my IDE. It is the most popular IDE for Android development, it has the latest Android features. It was easy to learn how to work with it, since there are plenty of tutorials on the internet for it.

CameraX: I decided to use cameraX for implementing the camera preview, while it seemed to be the easiest way to do so.