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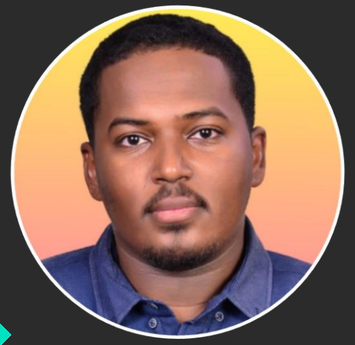
# Streamlining OTP Verification with Google Consent API in Android with Jetpack Compose

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# Overview

- Understand the importance of user consent and secure SMS code access
- Learn how to implement the SMS User Consent API
- Explore the benefits of automating OTP retrieval
- Learn how to request one-time consent for reading SMS

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# Importance of user consent

- Privacy Protection
- Compliance with Regulations
- Trust and Transparency

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# Benefits of automating OTP retrieval

- Enhanced User Experience
- Improved Security
- Time Efficiency
- Reduced Friction

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# Implementation steps

- Defines a BroadcastReceiver to listen for incoming SMS
- Register an Activity result launcher to handle the result of the Intent
- Initializes and sets up the SMS retrieval process

# Implementation steps

```
private val smsConsentLauncher =
    registerForActivityResult(ActivityResultContracts.StartActivityForResult()) { result ->
        if (result.resultCode == Activity.RESULT_OK && result.data != null) {
                val message = result.data?.getStringExtra(SmsRetriever.EXTRA_SMS_MESSAGE)
        }
 }

private val smsReceiver = object : BroadcastReceiver() {
    override fun onReceive(context: Context, intent: Intent?) {
        if (SmsRetriever.SMS_RETRIEVED_ACTION == intent?.action) {
            val smsRetrieverStatus = IntentCompat.getParcelableExtra(intent, SmsRetriever.EXTRA_STATUS, Status::class.java)

            when (smsRetrieverStatus?.statusCode) {
                CommonStatusCodes.SUCCESS -> {
                    val consentIntent = IntentCompat.getParcelableExtra(
                       intent, SmsRetriever.EXTRA_CONSENT_INTENT, Intent::class.java)
                    smsConsentLauncher.launch(consentIntent)
                }

                CommonStatusCodes.TIMEOUT -> {
                }
            }
        }
    }
}

SmsRetriever.getClient(this).startSmsUserConsent(null)
```

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