MediaPlayer & MediaRecorder

By Moro

Fred,
what is new?
Same old problem, Wilma
don't want I sign in
the house.
My voice is loud.

Fred, let’s build a recorder app on Android, you can control the volume of your singing

I say **build**, it is not ready yet

Let’s build!

Fred, first we need to make sure we have the **RECORD_AUDIO** permission

Second, we need to call **MediaRecorder**

```
_recorder = if (Build.VERSION.SDK_INT ⩾ Build.VERSION_CODES.S) {
    MediaRecorder(context)
} else {
    MediaRecorder()
}
```

Third, we need to define some properties:

```
_recorder.setAudioSource(MediaRecorder.AudioSource.MIC)
_recorder.setOutputFormat(MediaRecorder.OutputFormat.THREE_GPP)
_recorder.setAudioEncoder(MediaRecorder.AudioEncoder.AMR_WB)

val outputFile = context.externalCacheDir!!.absolutePath +
        File.separator +
        "audiorecordtest.3gp"
_recorder.setOutputFile(outputFile)
```

Fourth, we just call:

```
_recorder.prepare()
_recorder.start()
```

Barney, I can't play what I recorded. Your app is not working!
We just created the recorder part!

```
val player = MediaPlayer()
player.setDataSource(outputFile)
player.prepare()
player.start()
```

Fred, you can play the record calling for MediaPlayer:

Wilma is complaining again about my voice. The app is recording well, but my voice continuing loud.

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