**MainActivity.kt**  
class MainActivity : AppCompatActivity() {

private lateinit var schoolList: List<School>

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val recyclerView = findViewById<RecyclerView>(R.id.recyclerView)

recyclerView.layoutManager = LinearLayoutManager(this)

fetchSchools()

}

private fun fetchSchools() {

val url = "https://data.cityofnewyork.us/resource/s3k6-pzi2.json"

val request = Request.Builder().url(url).build()

val client = OkHttpClient()

client.newCall(request).enqueue(object : Callback {

override fun onFailure(call: Call, e: IOException) {

runOnUiThread {

Toast.makeText(this@MainActivity, "Failed to fetch data!", Toast.LENGTH\_SHORT).show()

}

}

override fun onResponse(call: Call, response: Response) {

val json = response.body?.string()

schoolList = Gson().fromJson(json, Array<School>::class.java).toList()

runOnUiThread {

val adapter = SchoolAdapter(schoolList) { school -> onSchoolClick(school) }

recyclerView.adapter = adapter

}

}

})

}

private fun onSchoolClick(school: School) {

val intent = Intent(this, SchoolDetailActivity::class.java)

intent.putExtra("school", school)

startActivity(intent)

}

}

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**SchoolAdapter.kt**

class SchoolAdapter(private val schoolList: List<School>, private val onItemClick: (School) -> Unit) :

RecyclerView.Adapter<SchoolAdapter.ViewHolder>() {

override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): ViewHolder {

val view = LayoutInflater.from(parent.context).inflate(R.layout.item\_school, parent, false)

return ViewHolder(view)

}

override fun getItemCount(): Int {

return schoolList.size

}

override fun onBindViewHolder(holder: ViewHolder, position: Int) {

val school = schoolList[position]

holder.nameTextView.text = school.schoolName

holder.locationTextView.text = "${school.city}, ${school.stateCode}"

holder.itemView.setOnClickListener { onItemClick(school) }

}

class ViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {

val nameTextView: TextView = itemView.findViewById(R.id.nameTextView)

val locationTextView: TextView = itemView.findViewById(R.id.locationTextView)

}

}

**SchoolDetailActivity.kt**class SchoolDetailActivity : AppCompatActivity() {

private lateinit var school: School

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_school\_detail)

school = intent.getParcelableExtra("school")!!

val nameTextView = findViewById<TextView>(R.id.nameTextView)

nameTextView.text = school.schoolName

val locationTextView = findViewById<TextView>(R.id.locationTextView)

locationTextView.text = "${school.city}, ${school.stateCode}"

val satTextView = findViewById<TextView>(R.id.satTextView)

satTextView.text = "SAT Scores: ${school.satMathAvgScore}, ${school.satReadingAvgScore}, ${school.satWritingAvgScore}"

// You can add additional information here

}

}