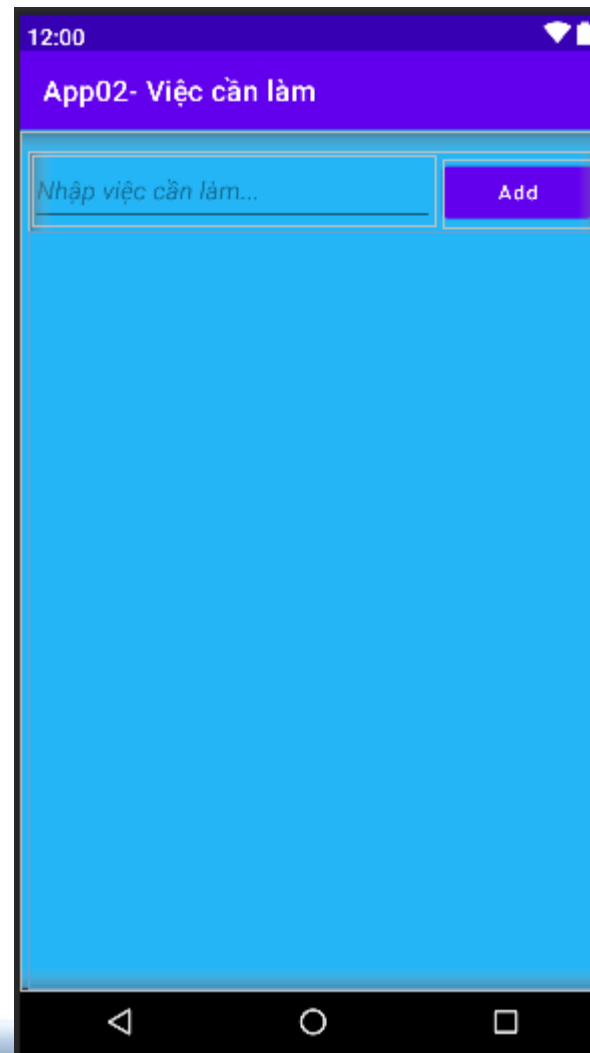
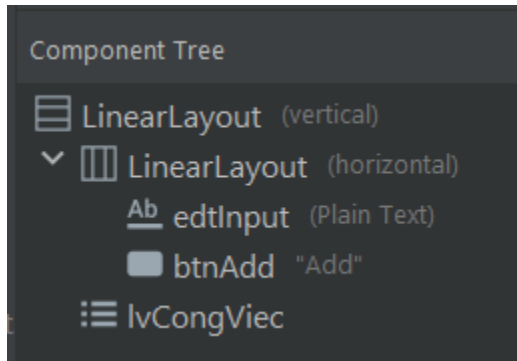




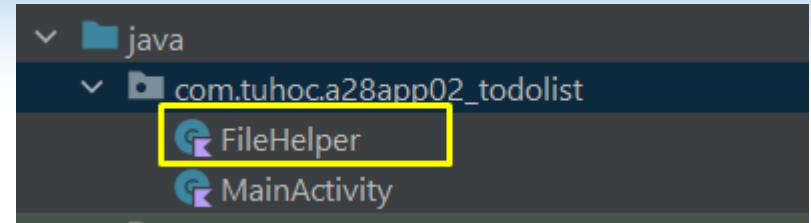
Kotlin tutorial app 02 To Do List



❑ 1 . Tạo giao diện app



❑ 2 . Tạo class hỗ trợ lưu, đọc file



```
class FileHelper {
    val FILENAME = "listinfo.dat"
    //ghi tệp
    fun writeData(item: ArrayList<String>, context: Context){
        val fos: FileOutputStream = context.openFileOutput(FILENAME, Context.MODE_PRIVATE)
        val oas = ObjectOutputStream(fos)
        oas.writeObject(item)
        oas.close()
    }
    //đọc tệp
    fun readData(context: Context): ArrayList<String>{
        var itemList : ArrayList<String>
        try {
            val fis : FileInputStream = context.openFileInput(FILENAME)
            val ois = ObjectInputStream(fis)
            itemList = ois.readObject() as ArrayList<String>
        } catch (e:FileNotFoundException){
            itemList = ArrayList()
        }
        return itemList
    }
}
```



❑ 3 . Code MainActivity ghi file

```
class MainActivity : AppCompatActivity() {

    var itemList = ArrayList<String>()
    var fileHelper = FileHelper()

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        itemList = fileHelper.readData(context: this)
        var arrayAdapter = ArrayAdapter(context: this,
            android.R.layout.simple_list_item_1,
            android.R.id.text1,
            itemList)
        lvCongViec.adapter = arrayAdapter

        btnAdd.setOnClickListener { it: View!
            var itemName = edtInput.text.toString()
            itemList.add(itemName)
            edtInput.setText("")
            fileHelper.writeData(itemList, applicationContext)
            arrayAdapter.notifyDataSetChanged()
        }
    }
}
```



❑ 4 . Code MainActivity xoá item sử dụng alert dialog

```
//xoá item sau khi đã hoàn thành
lvCongViec.setOnItemClickListener { parent, view, position, id ->
    var alert = AlertDialog.Builder(context: this)
    alert.setTitle("Delete")
    alert.setMessage("Bạn có chắc muốn xoá cv này? ")
    alert.setCancelable(true)
    alert.setNegativeButton( text: "No", DialogInterface.OnClickListener { dialog, which ->
        dialog.cancel()
    })
    alert.setPositiveButton( text: "Yes", DialogInterface.OnClickListener { dialog, which ->
        itemList.removeAt(position)
        arrayAdapter.notifyDataSetChanged()
        //ghi danh sách mới vào tệp
        fileHelper.writeData(itemList,applicationContext)
    })
    alert.create()
    alert.show()
}
```

