



Mobilné výpočty

Časté chyby pri odovzdávaní

Odozdvávanie nadbytočných súborov

Názov	Dátum úpravy	Typ	Veľkosť
 .gradle	26. 10. 2022 8:56	Priečínok súborov	
 .idea	26. 10. 2022 8:56	Priečínok súborov	
app	26. 10. 2022 8:56	Priečínok súborov	
 build	26. 10. 2022 8:56	Priečínok súborov	
 gradle	24. 10. 2022 15:37	Priečínok súborov	
 .gitignore	26. 10. 2022 8:56	Súbor GITIGNORE	1 kB
build.gradle	26. 10. 2022 8:56	Súbor GRADLE	1 kB
gradle.properties	26. 10. 2022 8:56	Súbor PROPERTIES	2 kB
 gradlew	26. 10. 2022 8:56	Súbor	6 kB
 gradlew.bat	26. 10. 2022 8:56	Dávkový súbor sys...	3 kB
 local.properties	26. 10. 2022 8:56	Súbor PROPERTIES	1 kB
settings.gradle	26. 10. 2022 8:56	Súbor GRADLE	1 kB

Nepoužitie Lottie podľa zadania

```
//gif  
implementation 'pl.droidsonroids.gif:android-gif-drawable:1.2.25'
```

Zaujímavé informácie

- v zipe sem_zadanie_v5 sa nachadza zadanie 3 cast
- nakolko sa mi nepodarilo spojit 2. a 3. cast zadania, druha cast sa nachadza v src, ktory je potrebne vlozit do sem_zadanie_v5 a teda nahradit src, ktore je tam



```
class MainActivity : AppCompatActivity(), Communicator {
```

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

Nepoužitie Fragmentov

```
//        setContentView(R.layout.activity_main)
```

```
//        val fragmentList = ListFragment()  
//        supportFragmentManager.beginTransaction().replace(R.id.fragment_container, fragmentList)  
//        .commit()
```

```
// Instance of users list using the data model class.  
val userList: ArrayList<UserModelClass> = ArrayList()  
val userListDetail: ArrayList<UserModelClass> = ArrayList()
```

```
try {  
    // As we have JSON object, so we are getting the object  
    // Here we are calling a Method which is returning the JSON object  
    val obj = JSONObject(getJSONFromAssets()!!)  
    // fetch JSONArray named users by using getJSONArray  
    val usersArray = obj.getJSONArray("elements")  
    // Get the users data using for loop i.e. id, name, email and so on
```

```
    for (i in 0 until usersArray.length()) {  
        // Create a JSONObject for fetching single User's Data  
        val user = usersArray.getJSONObject(i)  
        // Fetch id store it in variable  
        val id = user.getInt("id")  
        val lat = user.getDouble("lat")  
        val lon = user.getDouble("lon")
```

Veľa zakomentovaného

```
        // create a object for getting phone numbers data from JSONObject  
        val tags = user.getJSONObject("tags")  
        val amenity = tags.getString("amenity")  
        val name = tags.getString("name")  
//        val openingHours = tags.getString("opening_hours")  
//        val phone = tags.getString("phone")  
//        val website = tags.getString("website")  
  
        // Now add all the variables to the data model class and the data model class to the array list  
        val userDetails =  
            UserModelClass(id, lat, lon, amenity, name)//, openingHours)//, phone, website)  
  
        // add the details in the list  
        userList.add(userDetails)
```



Nemožnosť otvoriť detail

```
*/  
override fun onBindViewHolder(holder: ViewHolder, position: Int) {  
  
    val item = items.get(position)  
  
    holder.tvId.text = item.id.toString()  
    holder.tvLat.text = item.lat.toString()  
    holder.tvLon.text = item.lon.toString()  
    holder.tvAmenity.text = item.amenity  
    holder.tvName.text = item.name  
    /    holder.tvOpeningHours!!.text = item.opening_hours  
    /    holder.tvPhone!!.text = item.phone  
    /    holder.tvWebsite!!.text = item.website  
  
    }  
    ...  
}
```

Ak je možné používajte radšej
„?“ namiesto „!!“

Možné kombinovať aj z `?.let { }` alebo `?.apply{ }`

```

        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textColor="@android:color/black"
        android:textSize="14sp"
        tools:text="User Email" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="5dp"
        android:text="Amenity : "
        android:textColor="@color/teal_200"
        android:textSize="16sp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/tv_amenity"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textColor="@android:color/black"
        android:textSize="14sp"
        tools:text="User Gender" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="5dp"
        android:text="Name : "
        android:textColor="@color/teal_200"
        android:textSize="16sp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/tv_name"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:textColor="@android:color/black"
        android:textSize="14sp"
        tools:text="User Weight" />
</LinearLayout>

```

Doslova
skopírované kódy,
XML bez ich
úpravy pre
použitie v zadaní



Názov

AnimaciaFragment.kt
ContactIconsAdapter.kt
DetailPubFragment.kt
InputFilterMinMax.kt
InputFragment.kt
MainActivity.kt
PubAdapter.kt
PubItem.kt
PubsListFragment.kt
Tag.kt
UserData.kt

Žiadna organizácia kódu
do balíkov



„všetko vysypané na jednom mieste“

Klikanie na odporúčania Android Studio – bez chápania dôsledkov

```
@SuppressWarnings("NotifyDataSetChanged")
@RequiresApi(Build.VERSION_CODES.N)
override fun onCreateView(view: View, savedInstanceState: Bundle?)
    super.onCreateView(view, savedInstanceState)
```

```
android {
    namespace 'com.mobilnevypocty'
    compileSdk 32

    defaultConfig {
        applicationId "com.mobilnevypocty"
        minSdk 19
        targetSdk 32
        versionCode 1
        versionName "1.0"
```

```
testInstrumentationRunner "androidx.test.runner.AndroidJ
vectorDrawables.useSupportLibrary = true
```

Android KitKat	Key Lime Pie	4.4 – 4.4.4	19	October 31, 2013
		4.4W – 4.4W.2	20	June 25, 2014
Android Lollipop	Lemon Meringue Pie	5.0 – 5.0.2	21	November 4, 2014 ^[17]
		5.1 – 5.1.1	22	March 2, 2015 ^[18]
Android Marshmallow	Macadamia Nut Cookie	6.0 – 6.0.1	23	October 2, 2015 ^[19]
Android Nougat	New York Cheesecake	7.0	24	August 22, 2016
		7.1 – 7.1.2	25	October 4, 2016

Príliš nízka minimálna verzia

```
android {  
    namespace 'com.mobilnevyvocty'  
    compileSdk 32  
  
    defaultConfig {  
        applicationId "com.mobilnevyvocty"  
        minSdk 19  
        targetSdk 32  
        versionCode 1  
        versionName "1.0"  
  
        testInstrumentationRunner "androidx.test  
        vectorDrawables.useSupportLibrary = true
```

Android KitKat	Key Lime Pie	4.4 – 4.4.4	19	October 31, 2013
		4.4W – 4.4W.2	20	June 25, 2014
Android Lollipop	Lemon Meringue Pie	5.0 – 5.0.2	21	November 4, 2014 ^[17]
		5.1 – 5.1.1	22	March 2, 2015 ^[18]
Android Marshmallow	Macadamia Nut Cookie	6.0 – 6.0.1	23	October 2, 2015 ^[19]
Android Nougat	New York Cheesecake	7.0	24	August 22, 2016
		7.1 – 7.1.2	25	October 4, 2016
Android Oreo	Oatmeal Cookie	8.0	26	August 21, 2017
		8.1	27	December 5, 2017
Android Pie	Pistachio Ice Cream ^[20]	9	28	August 6, 2018
Android 10	Quince Tart ^[21]	10	29	September 3, 2019
Android 11	Red Velvet Cake ^[21]	11	30	September 8, 2020
Android 12	Snow Cone	12	31	October 4, 2021
Android 12L	Snow Cone v2	12.1 ^[a]	32	March 7, 2022
Android 13	Tiramisu ^[23]	13	33	August 15, 2022
Android 14	Upside Down Cake ^[24]	14	34	Q3 2023

Legend: ■ Old version ■ Older version, still maintained ■ Latest version ■ Future release

Nesprávne používanie Navigation

```
val adapter = PubAdapter(pubItemList)

binding.recyclerView.adapter = adapter
adapter.onClick = {
    val bundle = Bundle()
    bundle.putParcelable("pubItem", it)
    //val bundle = bundleOf("pubItem" to it)
    view.findNavController().navigate(R.id.detailPubFragment, bundle)
}
```

```
<fragment
    android:id="@+id/pubsList"
    android:name="com.mobilnevyvocty.PubsListFragment"
    android:label="fragment_pubs_list"
    tools:layout="@layout/fragment_pubs_list" >
    <action
        android:id="@+id/action_pubsList_to_detailPubFragment"
        app:destination="@id/detailPubFragment" />
    <action
        android:id="@+id/action_pubsList_to_inputFragment"
        app:destination="@id/inputFragment" />
</fragment>
<fragment
    android:id="@+id/detailPubFragment"
    android:name="com.mobilnevyvocty.DetailPubFragment"
    android:label="fragment_detail_pub"
    tools:layout="@layout/fragment_detail_pub">
    <argument
        android:name="pubItem"
        app:argType="com.mobilnevyvocty.PubItem" />
</fragment>
```



Používanie HTML ?

```
var htmlString = ""
val addressString =
    "${getProperString(pubItem.tags.streetNumber + " " + pubItem.tags.street + " " + pubItem.tags.houseNumber)}${
        getProperString(pubItem.tags.postcode + " " + pubItem.tags.city)
    }"
if (addressString.trim().isEmpty()) {
    htmlString = "<h5>Adresa: \n</h5>${addressString}"
}
htmlString += getOpeningHours()
binding.address.text = HtmlCompat.fromHtml(htmlString, HtmlCompat.FROM_HTML_MODE_LEGACY)
```

Miešanie jazykov – SK a EN

- adapter
- data
- model
- MainActivity.kt
- PodnikDetailFragment.kt
- PodnikInfoFragment.kt
- PodnikyFragment.kt
- UdajeFormFragment.kt

TODOs .. a zakomentované kódy

```
// TODO: Rename and change types of parameters
// private var param1: String? = null
// private var param2: String? = null
//
// override fun onCreate(savedInstanceState: Bundle?) {
//     super.onCreate(savedInstanceState)
//     arguments?.let {
//         param1 = it.getString(ARG_PARAM1)
//         param2 = it.getString(ARG_PARAM2)
//     }
// }
//
// override fun onCreateView(
//     inflater: LayoutInflater, container: ViewGroup?,
//     savedInstanceState: Bundle?
// ): View? {
//     // Inflate the layout for this fragment
//     return inflater.inflate(R.layout.fragment_udaje_form, container, false)
// }
//
// companion object {
//     /**
//      * Use this factory method to create a new instance of
//      * this fragment using the provided parameters.
//      *
//      * @param param1 Parameter 1.
//      * @param param2 Parameter 2.
//      * @return A new instance of fragment UdajeFormFragment.
//      */
//     // TODO: Rename and change types and number of parameters
//     @JvmStatic
//     fun newInstance(param1: String, param2: String) =
//         UdajeFormFragment().apply {
//             arguments = Bundle().apply {
//                 putString(ARG_PARAM1, param1)
//                 putString(ARG_PARAM2, param2)
//             }
//         }
// }
```



Oceňujem zobrazenie ikony podľa typu podniku

```
private fun showAmenityIcon() {  
    binding.apply {  
        when (pubItem.tags.amenity) {  
            "pub" -> iconAmenity.setImageResource(R.drawable.pub)  
            "restaurant" -> iconAmenity.setImageResource(R.drawable.restaurant)  
            "nightclub" -> iconAmenity.setImageResource(R.drawable.nightclub)  
            "bar" -> iconAmenity.setImageResource(R.drawable.bar)  
            else -> iconAmenity.visibility = View.GONE  
        }  
    }  
}
```

