

Лабораторная работа № 3

Подготовка интерфейса для реализации приложения взаимодействующего с Firebase

Задача

1. Реализовать форму авторизации
2. Реализовать форму ввода текста

```
class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        if (savedInstanceState == null) {
            supportFragmentManager.beginTransaction()
                .replace(R.id.activity, RecyclerViewFragment.newInstance())
                .commitNow()
        }
    }
}

package com.example.lab14

import android.content.Intent
import android.content.res.Configuration
import android.os.Bundle
import android.util.Log
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Button
import android.widget.EditText
import android.widget.ProgressBar
import android.widget.Toast
import androidx.core.view.isVisible
import androidx.fragment.app.Fragment
import androidx.recyclerview.widget.GridLayoutManager
import androidx.recyclerview.widget.LinearLayoutManager
import androidx.recyclerview.widget.RecyclerView
import androidx.recyclerview.widget.StaggeredGridLayoutManager
import kotlinx.coroutines.delay

class RecyclerViewFragment : Fragment() {
```

```

interface IListener {
    fun showNumber(value: Int, color: Int)
}

override fun onCreateView(
    inflater: LayoutInflater, container: ViewGroup?,
    savedInstanceState: Bundle?
): View {
    return inflater.inflate(R.layout.main_fragment, container, false)
}

override fun onViewCreated(view: View, savedInstanceState: Bundle?) {
    super.onViewCreated(view, savedInstanceState)
    val button = view.findViewById<Button>(R.id.btn_submit)
    val login = view.findViewById<EditText>(R.id.et_user_name)
    val password = view.findViewById<EditText>(R.id.et_password)
    val cont = button.context
    button.setOnClickListener {
        val intent = Intent(cont, SecondActivity::class.java)
        intent.putExtra("Login", login.text.toString())
        intent.putExtra("Password", password.text.toString())
        cont.startActivity(intent)
    }
}

override fun onSaveInstanceState(outState: Bundle) {
    super.onSaveInstanceState(outState)
}

companion object {
    fun newInstance() = RecyclerFragment()
}
}

```

```

package com.example.lab14

```

```

import android.os.Bundle
import android.util.Log
import androidx.appcompat.app.AppCompatActivity
import kotlin.math.log

```

```

class SecondActivity: AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.second_activity)
        val login = intent.extras?.getString("Login")
        val password = intent.extras?.getString("Password")
        if (savedInstanceState == null) {
            supportFragmentManager.beginTransaction()

```

```

        .replace(R.id.second_activity, SecondFragment.newInstance(login, pa
            "info")
        .commit()
    }
}
}

```

```
package com.example.lab14
```

```

import android.os.Bundle
import android.util.Log
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Button
import android.widget.EditText
import android.widget.ImageView
import android.widget.Toast
import androidx.fragment.app.Fragment

```

```

class SecondFragment : Fragment(R.layout.second_fragment) {
    private var login: String? = null
    private var password: String? = null

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        arguments?.let {
            login = it.getString(LOGIN)
            password = it.getString(PASSWORD)
        }
    }

    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        return inflater.inflate(R.layout.second_fragment, container, false)
    }

    override fun onViewCreated(view: View, savedInstanceState: Bundle?) {
        super.onViewCreated(view, savedInstanceState)
        val button = view.findViewById<Button>(R.id.btn_submit_second)
        val editText = view.findViewById<EditText>(R.id.request_string)
        button.setOnClickListener{
            Toast.makeText(
                button.context,
                editText.text.toString() + "\n" + login + "\n" + password,
                Toast.LENGTH_LONG).show()
        }
    }
}

```

```
companion object {  
    private const val LOGIN = "Login"  
    private const val PASSWORD = "Password"  
    @JvmStatic  
    fun newInstance(login: String?, password: String?) =  
        SecondFragment().apply {  
            arguments = Bundle().apply {  
                putString(LOGIN, login)  
                putString(PASSWORD, password)  
            }  
        }  
    }  
}
```


3:47



lab14



String



str

Submit

str

3:47



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