Министерство образования и молодежной политики Свердловской области



ГАПОУ СО «Екатеринбургский колледж транспортного строительства»

Отчёт по программе «**Практическое занятие 24\_2**»

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Группа: ПР-32

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**Задание:** создать работающую систему навигации для будущего много экранного приложения «Список доходов по датам» в соответствии со стандартами Navigation Architecture Component.

**Входные и выходные данные**

**Username – EditText, вводимое поле, поле для ввода логина**

**Password – edittext, вводимое поле, поле для ввода пароля**

**Binding – FragmentBinding, класс привязки**

**dateList – listOf, список, список дат**

**selectedDate – string, строка, значение выбранной даты**

**incomeValue – string, значение дохода**

**Листинг программы (если есть)**

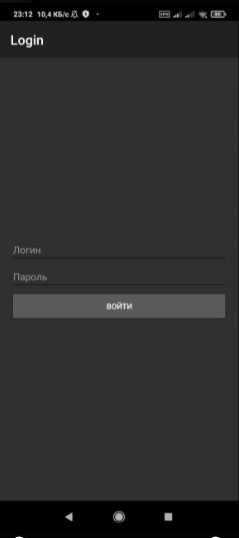
package com.example.incomelistapp2024  
  
import android.os.Bundle  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import androidx.fragment.app.Fragment  
import androidx.navigation.Navigation.findNavController  
import androidx.navigation.fragment.findNavController  
import com.example.incomelistapp2024.databinding.FragmentLoginBinding  
  
class LoginFragment : Fragment() {  
 private var \_username: String = "ipch"  
 private var \_password: String = "1234"  
 private var \_binding: FragmentLoginBinding? = null  
 private val binding get() = \_binding!!  
  
 override fun onCreateView(  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View {  
 \_binding = FragmentLoginBinding.inflate(inflater, container, false)  
 return binding.*root* }  
  
 override fun onViewCreated(view: View, savedInstanceState: Bundle?) {  
 super.onViewCreated(view, savedInstanceState)  
  
 binding.loginButton.setOnClickListener **{** val username = binding.usernameEditText.*text*.toString()  
 val password = binding.passwordEditText.*text*.toString()  
  
 if (isLoginValid(username, password)) {  
 val action = LoginFragmentDirections.actionLoginFragmentToDateListFragment()  
 *findNavController*().navigate(action)  
 } else {  
 if (username != \_username)  
 binding.usernameEditText.*error* = "Неверный логин"  
 if (password != \_password)  
 binding.passwordEditText.*error* = "Неверный пароль"  
 }  
 **}** }  
  
 private fun isLoginValid(username: String, password: String): Boolean {  
 return username == \_username && password == \_password  
 }  
  
 override fun onDestroyView() {  
 super.onDestroyView()  
 \_binding = null  
 }  
}

package com.example.incomelistapp2024  
  
import android.os.Bundle  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import androidx.fragment.app.Fragment  
import androidx.navigation.fragment.findNavController  
import androidx.recyclerview.widget.LinearLayoutManager  
import com.example.incomelistapp2024.Adapters.DateAdapter  
import com.example.incomelistapp2024.databinding.FragmentDateListBinding  
  
class DateListFragment : Fragment() {  
  
 private var \_binding: FragmentDateListBinding? = null  
 private val binding get() = \_binding!!  
  
 override fun onCreateView(  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View? {  
 \_binding = FragmentDateListBinding.inflate(inflater, container, false)  
 return binding.*root* }  
  
 override fun onViewCreated(view: View, savedInstanceState: Bundle?) {  
 super.onViewCreated(view, savedInstanceState)  
  
 val dateList = *listOf*("2024-10-01", "2024-10-02", "2024-10-03")  
  
 binding.dateRecyclerView.*layoutManager* = LinearLayoutManager(requireContext())  
 binding.dateRecyclerView.*adapter* = DateAdapter(dateList) **{** selectedDate **->** val bundle = Bundle().*apply* **{** putString("selectedDate", selectedDate)  
 putInt("incomeValue", IncomeData.getIncomeForDate(selectedDate) ?: 0)  
 **}** *findNavController*().navigate(R.id.*action\_dateListFragment\_to\_incomeDetailsFragment*, bundle)  
 **}** }  
  
 override fun onDestroyView() {  
 super.onDestroyView()  
 \_binding = null  
 }  
}

package com.example.incomelistapp2024  
  
import android.os.Bundle  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import androidx.fragment.app.Fragment  
import com.example.incomelistapp2024.databinding.FragmentIncomeDetailsBinding  
class IncomeDetailsFragment : Fragment() {  
  
 private var \_binding: FragmentIncomeDetailsBinding? = null  
 private val binding get() = \_binding!!  
  
 override fun onCreateView(  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View? {  
 \_binding = FragmentIncomeDetailsBinding.inflate(inflater, container, false)  
 return binding.*root* }  
  
 override fun onViewCreated(view: View, savedInstanceState: Bundle?) {  
 super.onViewCreated(view, savedInstanceState)  
  
 val selectedDate = *arguments*?.getString("selectedDate") ?: "Нет даты"  
 val incomeValue = *arguments*?.getInt("incomeValue") ?: 0  
  
 binding.incomeDetailsTextView.*text* = "Детали дохода за $selectedDate"  
 binding.incomeValue.*text* = "Сумма дохода: $incomeValue"  
 }  
  
 override fun onDestroyView() {  
 super.onDestroyView()  
 \_binding = null  
 }  
}

package com.example.incomelistapp2024.Adapters  
  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import android.widget.TextView  
import androidx.recyclerview.widget.RecyclerView  
  
class DateAdapter(  
 private val dates: List<String>,  
 private val onDateClicked: (String) -> Unit  
) : RecyclerView.Adapter<DateAdapter.DateViewHolder>() {  
  
 override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): DateViewHolder {  
 val view = LayoutInflater.from(parent.context).inflate(android.R.layout.simple\_list\_item\_1, parent, false)  
 return DateViewHolder(view)  
 }  
  
 override fun onBindViewHolder(holder: DateViewHolder, position: Int) {  
 val date = dates[position]  
 holder.bind(date, position)  
 holder.itemView.setOnClickListener **{** onDateClicked(date)  
 **}** }  
  
 override fun getItemCount() = dates.size  
  
 class DateViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {  
 private val textView: TextView = itemView.findViewById(android.R.id.text1)  
  
 fun bind(date: String, index: Int) {  
 textView.text = date  
 }  
 }  
}

**Скрин-шот экранов**

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**Вывод**

Я укрепил знания по фрагментам.