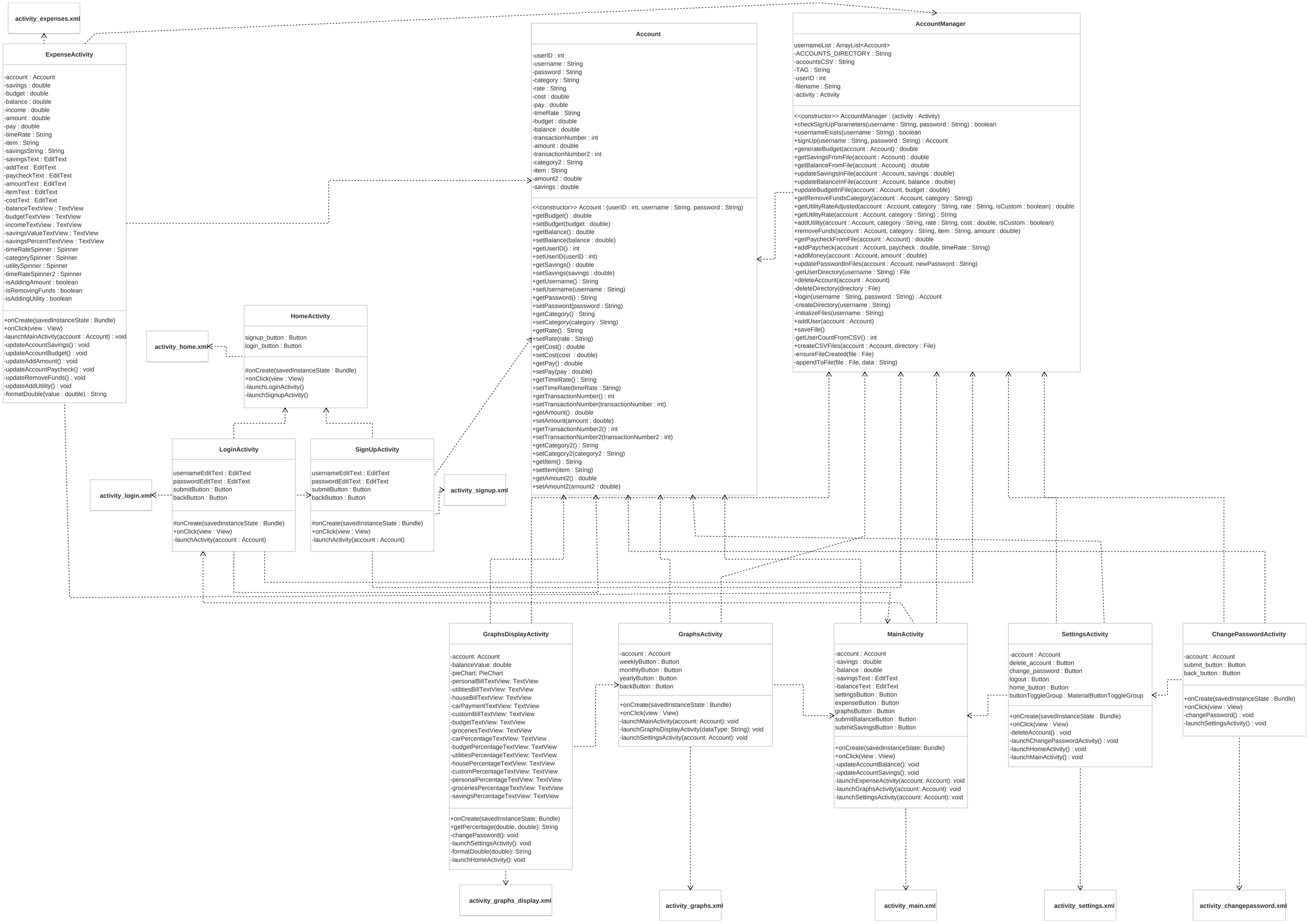
activity_expenses.xml
ExpenseActivity
-account : Account
-savings : double
-budget : double
-balance : double
-income : double
-amount : double
-pay : double
-timeRate : String
-item : String
-savingsString : String
-savingsText : EditText
-addText : EditText
-paycheckText : EditText
-amountText : EditText
-itemText : EditText
-costText : EditText
-balanceTextView : TextView
-budgetTextView : TextView
-incomeTextView : TextView
-savingsValueTextView : TextView
-savingsPercentTextView : TextView
-timeRateSpinner : Spinner
-categorySpinner : Spinner
-utilitySpinner : Spinner
-timeRateSpinner2 : Spinner
-isAddingAmount : boolean
-isRemovingFunds : boolean
-isAddingUtility : boolean
+onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-launchMainActivity(account : Account) : void
-updateAccountSavings() : void
-updateAccountBudget() : void
-updateAddAmount() : void
-updateAccountPaycheck() : void
-updateRemoveFunds() : void
-updateAddUtility() : void
-formatDouble(value : double) : String
Account
-userID : int
-username : String
-password : String
-category : String
-rate : String
-cost : double
-pay : double
-timeRate : String
-budget : double
-balance : double
-transactionNumber : int
-amount : double
-transactionNumber2 : int
-category2 : String
-item : String
-amount2 : double
-savings : double
<<constructor>> Account : (userID : int, username : String, password : String)
+getBudget() : double
+setBudget(budget : double)
+getBalance() : double
+setBalance(balance : double)
+getUserID() : int
+setUserID(userID : int)
+getSavings() : double
+setSavings(savings : double)
+getUsername() : String
+setUsername(username : String)
+getPassword() : String
+setPassword(password : String)
+getCategory() : String
+setCategory(category : String)
+getRate() : String
+setRate(rate : String)
+getCost() : double
+setCost(cost : double)
+getPay() : double
+setPay(pay : double)
+getTimeRate() : String
+setTimeRate(timeRate : String)
+getTransactionNumber() : int
+setTransactionNumber(transactionNumber : int)
+getAmount() : double
+setAmount(amount : double)
+getTransactionNumber2() : int
+setTransactionNumber2(transactionNumber2 : int)
+getCategory2() : String
+setCategory2(category2 : String)
+getItem() : String
+setItem(item : String)
+getAmount2() : double
+setAmount2(amount2 : double)
AccountManager
usernameList : ArrayList<Account>
-ACCOUNTS_DIRECTORY : String
-accountsCSV : String
-TAG : String
-userID : int
-filename : String
-activity : Activity
<<constructor>> AccountManager : (activity : Activity)
+checkSignUpParameters(username : String, password : String) : boolean
+usernameExists(username : String) : boolean
+signUp(username : String, password : String) : Account
+generateBudget(account : Account) : double
+getSavingsFromFile(account : Account) : double
+getBalanceFromFile(account : Account) : double
+updateSavingsInFile(account : Account, savings : double)
+updateBalanceInFile(account : Account, balance : double)
+updateBudgetInFile(account : Account, budget : double)
+getRemoveFundsCategory(account : Account, category : String)
+getUtilityRateAdjusted(account : Account, category : String, rate : String, isCustom : boolean) : double
+getUtilityRate(account : Account, category : String) : String
+addUtility(account : Account, category : String, rate : String, cost : double, isCustom : boolean)
+removeFunds(account : Account, category : String, item : String, amount : double)
+getPaycheckFromFile(account : Account) : double
+addPaycheck(account : Account, paycheck : double, timeRate : String)
+addMoney(account : Account, amount : double)
+updatePasswordInFiles(account : Account, newPassword : String)
-getUserDirectory(username : String) : File
+deleteAccount(account : Account)
-deleteDirectory(directory : File)
+login(username : String, password : String) : Account
-createDirectory(username : String)
-initializeFiles(username : String)
+addUser(account : Account)
+saveFile()
-getUserCountFromCSV() : int
+createCSVFiles(account : Account, directory : File)
-ensureFileCreated(file : File)
-appendToFile(file : File, data : String)
activity_home.xml
HomeActivity
signup_button : Button
login_button : Button
#onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-launchLoginActivity()
-launchSignupActivity()
activity_login.xml
LoginActivity
usernameEditText : EditText
passwordEditText : EditText
submitButton : Button
backButton : Button
#onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-launchActivity(account : Account)
activity_signup.xml
SignUpActivity
usernameEditText : EditText
passwordEditText : EditText
submitButton : Button
backButton : Button
#onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-launchActivity(account : Account)
GraphsDisplayActivity
-account: Account
-balanceValue: double
-pieChart: PieChart
-personalBillTextView: TextView
-utilitiesBillTextView: TextView
-houseBillTextView: TextView
-carPaymentTextView: TextView
-customBillTextView: TextView
-budgetTextView: TextView
-groceriesTextView: TextView
-carPercentageTextView: TextView
-budgetPercentageTextView: TextView
-utilitiesPercentageTextView: TextView
-housePercentageTextView: TextView
-customPercentageTextView: TextView
-personalPercentageTextView: TextView
-groceriesPercentageTextView: TextView
-savingsPercentageTextView: TextView
+onCreate(savedInstanceState: Bundle)
+getPercentage(double, double): String
-changePassword(): void
-launchSettingsActivity(): void
-formatDouble(double): String
-launchHomeActivity(): void
GraphsActivity
-account : Account
weeklyButton : Button
monthlyButton : Button
yearlyButton : Button
backButton : Button
+onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-launchMainActivity(account: Account): void
-launchGraphsDisplayActivity(dataType: String): void
-launchSettingsActivity(account: Account): void
MainActivity
-account : Account
-savings : double
-balance : double
-savingsText : EditText
-balanceText : EditText
settingsButton : Button
expenseButton : Button
graphsButton : Button
submitBalanceButton : Button
submitSavingsButton : Button
+onCreate(savedInstanceState: Bundle)
+onClick(view : Viiew)
-updateAccountBalance(): void
-updateAccountSavings(): void
-launchExpenseActivity(account: Account): void
-launchGraphsActivity(account: Account): void
-launchSettingsActivity(account: Account): void
SettingsActivity
-account : Account
delete_account : Button
change_password : Button
logout : Button
home_button : Button
buttonToggleGroup : MaterialButtonToggleGroup
+onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-deleteAccount() : void
-launchChangePasswordActivity() : void
-launchHomeActivity() : void
-launchMainActivity() : void
ChangePasswordActivity
-account : Account
submit_button : Button
back_button : Button
+onCreate(savedInstanceState : Bundle)
+onClick(view : View)
-changePassword() : void
-launchSettingsActivity() : void
activity_graphs_display.xml
activity_graphs.xml
activity_main.xml
activity_settings.xml
activity_changepassword.xml