**Class Diagrams**

**Calculation**

indexArrayInteger, countInteger, pinNumberInteger, countPlusOneInteger, countInteger: int

firstNameString, lastNameString, withdrawalString: String

transactionsValidationBoolean, validationBoolean: boolean

amountDouble: double

withdrawal (String, double, int): void

deposit (double, int): void

isThereADuplicatePIN (int, int): void

displayAccounts (int): void

setNewAccount(int, int, String, String): void

getDoesPinExist ():boolean

getIsThereADuplicatePIN ():boolean

getPinNumberString ():String

getFirstName ():String

getLastName ():String

getBalanceString ():String

getDisplayAccountsString ():String

getFirstNameArrayString ():String

getLastNameArrayString ():String

getBalancesArray ():double

getPinNumbersArray ():int

getArrayIndexInteger ():int

**BankApplication**

Components

main(String [] args): static void

BankApplication ()

addComponents(): void

addListeners(): void

actionPerformed (ActionEvent): void

designEnterPanel (): void

designNewAccountPanel (): void

designDoTransactions (): void

addNewAccount (): void

displayAllAccounts (): void

deposit (): void

withdrawal (): void