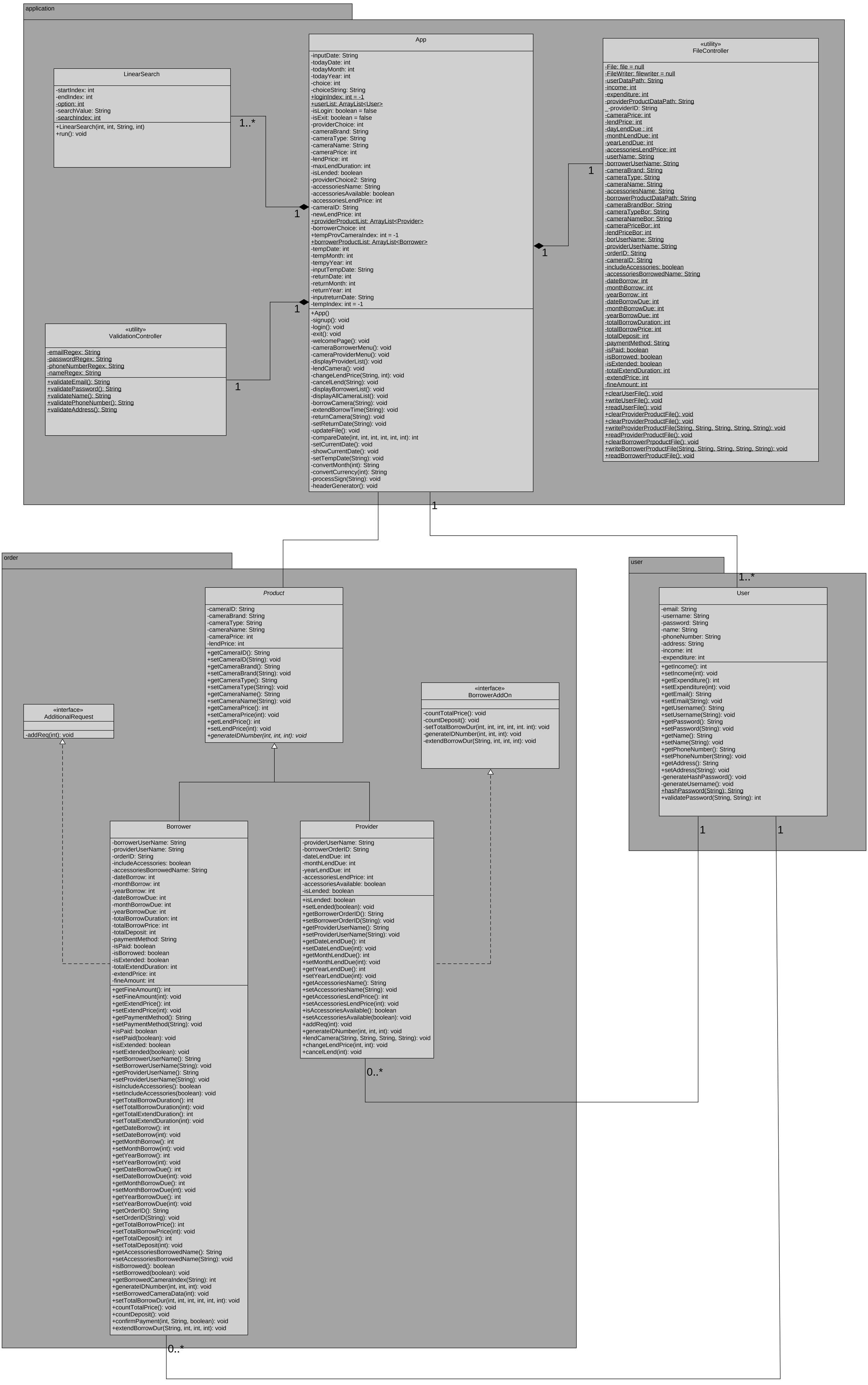
application
LinearSearch
-startIndex: int
-endIndex: int
-option: int
-searchValue: String
-searchIndex: int
+LinearSearch(int, int, String, int)
+run(): void
«utility»
ValidationController
-emailRegex: String
-passwordRegex: String
-phoneNumberRegex: String
-nameRegex: String
+validateEmail(): String
+validatePassword(): String
+validateName(): String
+validatePhoneNumber(): String
+validateAddress(): String
App
-inputDate: String
-todayDate: int
-todayMonth: int
-todayYear: int
-choice: int
-choiceString: String
+loginIndex: int = -1
+userList: ArrayList<User>
-isLogin: boolean = false
-isExit: boolean = false
-providerChoice: int
-cameraBrand: String
-cameraType: String
-cameraName: String
-cameraPrice: int
-lendPrice: int
-maxLendDuration: int
-isLended: boolean
-providerChoice2: String
-accessoriesName: String
-accessoriesAvailable: boolean
-accessoriesLendPrice: int
-cameraID: String
-newLendPrice: int
+providerProductList: ArrayList<Provider>
-borrowerChoice: int
+tempProvCameraIndex: int = -1
+borrowerProductList: ArrayList<Borrower>
-tempDate: int
-tempMonth: int
-tempyYear: int
-inputTempDate: String
-returnDate: int
-returnMonth: int
-returnYear: int
-inputreturnDate: String
-tempIndex: int = -1
+App()
-signup(): void
-login(): void
-exit(): void
-welcomePage(): void
-cameraBorrowerMenu(): void
-cameraProviderMenu(): void
-displayProviderList(): void
-lendCamera(): void
-changeLendPrice(String, int): void
-cancelLend(String): void
-displayBorrowerList(): void
-displayAllCameraList(): void
-borrowCamera(String): void
-extendBorrowTime(String): void
-returnCamera(String): void
-setReturnDate(String): void
-updateFile(): void
-compareDate(int, int, int, int, int, int): int
-setCurrentDate(): void
-showCurrentDate(): void
-setTempDate(String): void
-convertMonth(int): String
-convertCurrency(int): String
-processSign(String): void
-headerGenerator(): void
«utility»
FileController
-File: file = null
-FileWriter: filewriter = null
-userDataPath: String
-income: int
-expenditure: int
-providerProductDataPath: String
_-providerID: String
-cameraPrice: int
-lendPrice: int
-dayLendDue : int
-monthLendDue: int
-yearLendDue: int
-accessoriesLendPrice: int
-userName: String
-borrowerUserName: String
-cameraBrand: String
-cameraType: String
-cameraName: String
-accessoriesName: String
-borrowerProductDataPath: String
-cameraBrandBor: String
-cameraTypeBor: String
-cameraNameBor: String
-cameraPriceBor: int
-lendPriceBor: int
-borUserName: String
-providerUserName: String
-orderID: String
-cameraID: String
-includeAccessories: boolean
-accessoriesBorrowedName: String
-dateBorrow: int
-monthBorrow: int
-yearBorrow: int
-dateBorrowDue: int
-monthBorrowDue: int
-yearBorrowDue: int
-totalBorrowDuration: int
-totalBorrowPrice: int
-totalDeposit: int
-paymentMethod: String
-isPaid: boolean
-isBorrowed: boolean
-isExtended: boolean
-totalExtendDuration: int
-extendPrice: int
-fineAmount: int
+clearUserFile(): void
+writeUserFile(): void
+readUserFile(): void
+clearProviderProductFile(): void
+clearProviderProductFile(): void
+writeProviderProductFile(String, String, String, String, String): void
+readProviderProductFile(): void
+clearBorrowerPrpoductFile(): void
+writeBorrowerProductFile(String, String, String, String, String): void
+readBorrowerProductFile(): void
1..*
1
1
1
1
1
order
Product
-cameraID: String
-cameraBrand: String
-cameraType: String
-cameraName: String
-cameraPrice: int
-lendPrice: int
+getCameraID(): String
+setCameraID(String): void
+getCameraBrand(): String
+setCameraBrand(String): void
+getCameraType(): String
+setCameraType(String): void
+getCameraName(): String
+setCameraName(String): void
+getCameraPrice(): int
+setCameraPrice(int): void
+getLendPrice(): int
+setLendPrice(int): void
+generateIDNumber(int, int, int): void
«interface»
AdditionalRequest
-addReq(int): void
«interface»
BorrowerAddOn
-countTotalPrice(): void
-countDeposit(): void
-setTotalBorrowDur(int, int, int, int, int. int): void
-generateIDNumber(int, int, int): void
-extendBorrowDur(String, int, int, int): void
Borrower
-borrowerUserName: String
-providerUserName: String
-orderID: String
-includeAccessories: boolean
-accessoriesBorrowedName: String
-dateBorrow: int
-monthBorrow: int
-yearBorrow: int
-dateBorrowDue: int
-monthBorrowDue: int
-yearBorrowDue: int
-totalBorrowDuration: int
-totalBorrowPrice: int
-totalDeposit: int
-paymentMethod: String
-isPaid: boolean
-isBorrowed: boolean
-isExtended: boolean
-totalExtendDuration: int
-extendPrice: int
-fineAmount: int
+getFineAmount(): int
+setFineAmount(int): void
+getExtendPrice(): int
+setExtendPrice(int): void
+getPaymentMethod(): String
+setPaymentMethod(String): void
+isPaid: boolean
+setPaid(boolean): void
+isExtended: boolean
+setExtended(boolean): void
+getBorrowerUserName(): String
+setBorrowerUserName(String): void
+getProviderUserName(): String
+setProviderUserName(String): void
+isIncludeAccessories(): boolean
+setIncludeAccessories(boolean): void
+getTotalBorrowDuration(): int
+setTotalBorrowDuration(int): void
+getTotalExtendDuration(): int
+setTotalExtendDuration(int): void
+getDateBorrow(): int
+setDateBorrow(int): void
+getMonthBorrow(): int
+setMonthBorrow(int): void
+getYearBorrow(): int
+setYearBorrow(int): void
+getDateBorrowDue(): int
+setDateBorrowDue(int): void
+getMonthBorrowDue(): int
+setMonthBorrowDue(int): void
+getYearBorrowDue(): int
+setYearBorrowDue(int): void
+getOrderID(): String
+setOrderID(String): void
+getTotalBorrowPrice(): int
+setTotalBorrowPrice(int): void
+getTotalDeposit(): int
+setTotalDeposit(int): void
+getAccessoriesBorrowedName(): String
+setAccessoriesBorrowedName(String): void
+isBorrowed(): boolean
+setBorrowed(boolean): void
+getBorrowedCameraIndex(String): int
+generateIDNumber(int, int, int): void
+setBorrowedCameraData(int): void
+setTotalBorrowDur(int, int, int, int, int, int): void
+countTotalPrice(): void
+countDeposit(): void
+confirmPayment(int, String, boolean): void
+extendBorrowDur(String, int, int, int): void
Provider
-providerUserName: String
-borrowerOrderID: String
-dateLendDue: int
-monthLendDue: int
-yearLendDue: int
-accessoriesLendPrice: int
-accessoriesAvailable: boolean
-isLended: boolean
+isLended: boolean
+setLended(boolean): void
+getBorrowerOrderID(): String
+setBorrowerOrderID(String): void
+getProviderUserName(): String
+setProviderUserName(String): void
+getDateLendDue(): int
+setDateLendDue(int): void
+getMonthLendDue(): int
+setMonthLendDue(int): void
+getYearLendDue(): int
+setYearLendDue(int): void
+getAccessoriesName(): String
+setAccessoriesName(String): void
+getAccessoriesLendPrice(): int
+setAccessoriesLendPrice(int): void
+isAccessoriesAvailable(): boolean
+setAccessoriesAvailable(boolean): void
+addReq(int): void
+generateIDNumber(int, int, int): void
+lendCamera(String, String, String, String): void
+changeLendPrice(int, int): void
+cancelLend(int): void
0..*
0..*
user
User
-email: String
-username: String
-password: String
-name: String
-phoneNumber: String
-address: String
-income: int
-expenditure: int
+getIncome(): int
+setIncome(int): void
+getExpenditure(): int
+setExpenditure(int): void
+getEmail(): String
+setEmail(String): void
+getUsername(): String
+setUsername(String): void
+getPassword(): String
+setPassword(String): void
+getName(): String
+setName(String): void
+getPhoneNumber(): String
+setPhoneNumber(String): void
+getAddress(): String
+setAddress(String): void
-generateHashPassword(): void
-generateUsername(): void
+hashPassword(String): String
+validatePassword(String, String): int
1..*
1
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