UML Class Diagrams

ShirtShop
+start(_stage: Stage): void (throws Exception)

UML Class Diagrams

Address
-addressID: int -userID: int -addressType: String -street1: String -street2: String -city: String -state: String -zip: String -action: SQLQueryActions
+Address() +Address(_addressID: int, _userID: int, _addressType: String, _street1: String, _street2: String, _city: String, _state: String, _zip: String): void +getAddressID(): int +getAddressType(): String +getCity(): String +getState(): String +getStreet1(): String +getStreet2(): String +getUserID(): int +getZip(): String +setAddressID(_newAddressID: int): void +setAddressType(_newAddressType: String): void +setCity(_newCity: String): void +setState(_newState: String): void +setStreet1(_newStreet1: String): void +setStreet2(_newStreet2: String): void +setUserID(_newUserID: int): void +setZip(_newZip: String): void +checkPreviousAddress(_userID: int): List<Address> throws SQLException +saveNewAddress(_userID: int, _addressType: String, _street1: String, _street2: String, _city: String, _state: String, _zip: String): boolean throws SQLException

UML Class Diagrams

Cart
-cartID: int -userID: int -product: Product -amount: int -image: Image -includesImage: boolean -imageFilePath: String -dateCreated: Date -currentCart: Cart -action: SQLQueryActions
+Cart() +Cart(_cartID: int, _userID: int, _product: Product, _amount: int, _image: Image, _includesImage: boolean): void +Cart(_product: Product, _amount: int, _image: Image): void +getAmount(): int +getCartID(): int +getCurrentCart(): Cart +getDateCreated(): Date +getImage(): Image +getImageFilePath(): String +includesImage(): boolean +isCreated(): boolean +getUserID(): int +setAmount(_newAmount: int): void +setCartID(_newCartID: int): void +setCurrentCart(_newCurrentCart: Cart): void +setDateCreated(_newDate: Date): void +setImage(_newImage: Image): void +setImageFilePath(_newImageFilePath: String): void +setIncludesImage(_newIncludesImage: boolean): void +setUserID(_newUserID: int): void +setProduct(_newProduct: Product): void +addNewItem(_userID: int, _product: Product, _amount: int, _image: Image): boolean +finalize(_userID: int, _orderID: int): boolean +removeItem(_userID: int): boolean +removeItem(_userID: int, cartID: int): boolean +saveImageToDatabase(_filePath: String): void +saveToFile(_userID: int, _image: Image): String +toString(): String +viewCart(_userID: int): List<Cart>

UML Class Diagrams

MessageBox
+infoBox(_infoMessage: String, _titleBar: String): void

UML Class Diagrams

Order
-orderID: int -userID: int -cart: Cart -orderPrice: double -shippingPrice: double -addressID: int -dateCreated: Date -action: SQLQueryActions
+Order() +Order(_userID: int, _cart: Cart, _orderPrice: double, _shippingPrice: double, _addressID: int, _dateCreated: Date): void +Order(_cart: Cart): void +getAddressID(): int +getCart(): Cart +getCurrentOrder(): Order +getDateCreated(): Date +getOrderID(): int +getOrderPrice(): double +getShippingPrice(): double +setAddressID(_newAddressID: int): void +setCart(_newCart: Cart): void +setCurrentOrder(_newOrder: Order): void +setDateCreated(_newDateCreated: Date): void +setOrderID(_newOrderID: int): void +setOrderPrice(_newOrderPrice: double): void +setShippingPrice(_newShippingPrice: double): void +setUserID(_newUserID: int): void +addNewItem(_userID: int, _orderPrice: double, _shippingPrice: double, _addressID: int): boolean +identifyOrderID(_userID: int): int

UML Class Diagrams

Product
-clothingType: int -size: int -color: String -price: double -currentProduct: Product
+Product() +Product(_clothingType: int, _size: int, _color: String, _price: double): void +getClothingType(): int +getColor(): String +getCurrentProduct(): Product +getPrice(): double +getSize(): int +setClothingType(_newClothingType: int): void +setColor(_newColor: String): void +setCurrentProduct(_newProduct: Product): void +setPrice(_newPrice: double): void +setSize(_newSize: int): void +toString(): String

UML Class Diagrams

Rate
-gate: String -standard: String -rush: String
+Rate(_gate: String, _standard: String, _rush: String): void +getGate(): String +getStandard(): String +getRush(): String +toString(): String

UML Class Diagrams

TableList
-color: SimpleStringProperty -price: SimpleDoubleProperty -quantity: SimpleIntegerProperty -type: SimpleStringProperty -size: SimpleStringProperty -includesImage: SimpleBooleanProperty
+TableList(_type: String, _size: String, _color: String, _price: double, _quantity: int, _includesImage: boolean): void +getColor(): String +getIncludesImage(): boolean +getPrice(): double +getQuantity(): int +getSize(): String +getType(): String +isIncludesImage(): boolean +getTableList(): ObservableList<TableList>

UML Class Diagrams

SQLQueryActions
+deleteObject(_table: String, _limitors: Map<String, String>): boolean
+insertObject(_table: String, _valuePairs: Map<String, String>): boolean
+selectObjectBasic(_tables: String[], _columns: String[], _limitors: Map<String, String>, _orderBy: String[]): ResultSet
+updateObject(_table: String, _valuePairs Map<String, String>, _limitors: Map<String, String>): boolean
+executionQuery(_sqlQuery: String): boolean
+selectQuery(_sqlQuery: String): ResultSet

UML Class Diagrams

Common
+STANDARD_HGAP: int
+STANDARD_VGAP: int
+DISPLAY_WIDTH: double
+DISPLAY_HEIGHT: double
+MAX_IMAGE_SIZE: int
+COMPANY_FONT_SIZE: int
+MED_BUTTON_WIDTH: int
+LARGE_BUTTON_WIDTH: int
+STANDARD_INSETS: Insets

UML Class Diagrams

Tools
+calculateItemWeight(_clothingType: int, _clothingSize: int): double
+calculateWeight(_clothingType: int, _clothingSize: int): double
+emailOrderConfirmation(_orderDetails: String): void
+emailUs(): void
+verifyEmailFormat(_email: String): boolean
+verifyPhoneFormat(_phone: String): boolean

UML Class Diagrams

AddressController
+checkPreviousAddress(_userID: int): Address throws SQLException +registerNewAddress(_userID: String, _addressType: String, _street1: String, _street2: String, _city: String, _state: String, _zip: String): boolean throw SQLException

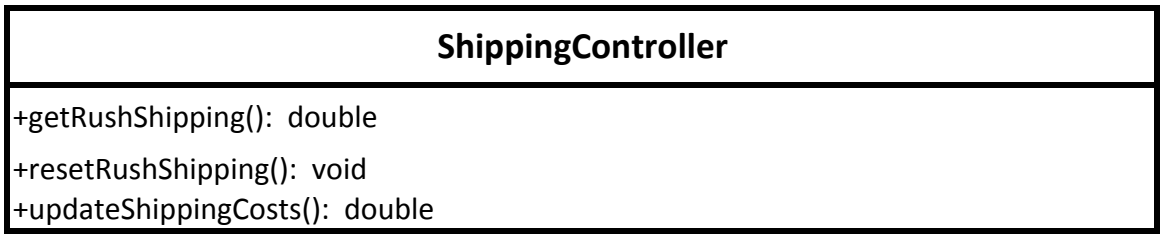
UML Class Diagrams

CartController
+addToCart(_ID: int, _product: Product, _amount: int, _image: Image): boolean
+clearCart(_userID: int): boolean
+finalize(_userID: int, _orderID: int): boolean
+finalizeOrder(_userID: int): boolean
+removeFromCart(_userID: int, _cartID: int): boolean
+viewCart(_userID: int): List<Cart>

UML Class Diagrams

OrderController
+finalizeOrder(_userID: int, _orderPrice: double, _shippingPrice: double, _addressID: int): boolean +identifyOrderID(_userID: int): int

UML Class Diagrams



UML Class Diagrams

UserController
+loginUser(_username: String, _password: String): User +registration(_username: String, _password: String, _repeatPassword: String, _fullName: String, _email: String, _phoneNum: String): boolean

UML Class Diagrams

AlertBox
+display(_alertType: AlertType, _message: String, _header: String, _title: String): void +display(_message: String, _title: String): void +display(_ex: Exception): void +displayExitWarning(): boolean

UML Class Diagrams

CartMenu
~shippingAmount: Text ~subTotalAmount: Text ~grandTotalAmount: Text
+buildOrderDetails(_orderID: int): String +displayCart(): void +helpBuildTotals(_subTotalAmount: Text, _shippingAmount: Text, _grandTotalAmount: Text): GridPane +parseCurrency(_text: String): double +updateShippingAmount(): void

UML Class Diagrams

ChangeAddressMenu
+displaySetAddress(_user: User): void throws SQLException, ParseException +validate(_userID: String, _addressType: String, _street1: String, _street2: String, _city: String, _state: String, _zip: String): boolean throws SQLException

UML Class Diagrams

CreateAccountMenu
+displayCreateAccount(): void

UML Class Diagrams

LogInMenu
+displayLoginMenu(): void

UML Class Diagrams

MainMenu
-mainStage: Stage -userText: Text
+displayMainMenu(_stage: Stage): void +helpBuildBackground(): StackPane +helpBuildBottomButton(_text: String, _size: int, _tooltip: String, _color: String): Button +helpBuildCompanyBanner(): HBox +helpBuildInformation(): HBox +helpBuildLoggedInAs(_userText: Text): Hbox +getMainMenuX(): double +getMainMenuY(): double +terminate(): void +updateUserStatus(): void

UML Class Diagrams

ShippingMenu
-rushOption: double
+displayShippingMenu(): void +getRushOption(): double +resetRushOption(): void

UML Class Diagrams

ShopMenu
-clothingChosen: int -sizeChosen: int -colorChosen: String -quantityChosen: int -priceChosen: double -imageChosen: Image -logo: ImageView -unitPrice: Text -totalPrice: Text -path: SVGPath -back: SVGPath
+addImage(): Image (throws Exception) +applyColor(_color: Paint): void +buildPath(): SVGPath +displayShopping(): void +helpBuildClothingButton(_text: String, _filename: String): Button +helpBuildClothingGrid(): GridPane +helpBuildGridColors(_colorOption: Color[]): GridPane +helpBuildInstructionSteps(_number: String, _description: String): Group +helpBuildPrices(_price: double): Text +helpBuildShirtBorder(): Rectangle +helpBuildSizeComboBox(): ComboBox<String> +resetShopMenu(_sizeComboBox: ComboBox<String>, _quantityBox: TextField, _filePath: Text): void +updateChoice(_choice: int): void

UML Class Diagrams

ClothingUtility
+SIZE_NAMES[]: String +AVAILABLE_COLORS[]: Color +COLOR_NAMES[]: String +ROW_COUNT: int +COLUMN_COUNT: int +TANK_TOP_PATH: String +SHORT_SHIRT_PATH: String +LONG_SHIRT_PATH: String +SWEATSHIRT_PATH: String +HOODIE_PATH: String +TANK_TOP_BACKPATH: String +SHORT_SHIRT_BACKPATH: String +LONG_SHIRT_BACKPATH: String +SWEATSHIRT_BACKPATH: String +HOODIE_BACKPATH: String +TANK_TOP_PRICE: double +SHORT_SHIRT_PRICE: double +LONG_SHIRT_PRICE: double +SWEATSHIRT_PRICE: double +HOODIE_PRICE: double +TANK_TOP: int +SHORT_SHIRT: int +LONG_SHIRT: int +SWEATSHIRT: int +HOODIE: int +TANK_TOP_BASE: double +SHORT_SHIRT_BASE: double +LONG_SHIRT_BASE: double +SWEATSHIRT_BASE: double +HOODIE_BASE: double +TANK_TOP_UPSIZE: double +SHORT_SHIRT_UPSIZE: double +LONG_SHIRT_UPSIZE: double +SWEATSHIRT_UPSIZE: double +HOODIE_UPSIZE: double +SMALL: int +MEDIUM: int +LARGE: int +LARGE_TALL: int +XL: int +XL_TALL: int +XXL: int +XB: int
+convertClothingType(_size: String): int +getColorDescription(_color: String): String +getDescrtiption(_type: int): String +getSizeName(_type: int): String

UML Class Diagrams

User
-userID: int -fullName: String -email: String -phoneNum: String -cardNum: String -cvc: String -username: String -password: String -accessType: String -dateCreated: Date -lastAccessed: Date -currentUser: User -action: SQLQueryActions
+User() +User(_userID: int, fullName: String, _email: String, _phoneNum: String, _cardNum: String, _cvc: String, _username: String, _password: String, _accessType: String, _dateCreated: Date, _lastAccessed: Date): void +User(_username: String, _password: String): void +User(_username: String, _password: String, _email: String): void +getAccessType(): String +getCard(): String +getCurrentUser(): User +getCVC(): String +getDateCreated(): Date +getEmail(): String +getFullName(): String +getIDNum(): int +getLastAccessed(): Date +getPassword(): String +getPhone(): String +setUserID(_newUserID: int): void +getUsername(): String +isLoggedIn(): boolean +setAccessType(_newAccessType: String): void +setCard(_newCard: String): void +setCurrentUser(_newCurrentUser: User): void +setCVC(_newCVC: String): void +setDateCreated(_newDateCreated: Date): void +setEmail(_newEmail: String): void +setFullName(_newFullName: String): void +setIDNum(_newUserID: int): void +setLastAccessed(_newLastAccessed: Date): void +setPassword(_newPassword: String): void +setPhone(_newPhone: String): void +setUsername(_newUsername: String): void +saveNewUser(_username: String, _password: String, _email: String, _phone: String, _dateCreated: Date): boolean +userExists(_username: String): boolean +userExists(_username: String, _password: String): boolean +validateRegistrationData(_username: String, _password: String, _repeatPassword: String, _email: String, _phone: String): boolean