loginFrame

- btn3 : Button
- askUsername : JTextField
- askPassword : JTextField

+ loginFrame ( ) : loginFrame
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

loginScreen

- btn1 : Button
- btn2 : Button

+ loginScreen ( ) : loginScreen
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

RegisterFrame

- registerName : JTextField
- registerEmail : JTextField
- registerPassword : JTextField
- registerUsername : JTextField
- registerShippingAddress : JTextField
- btn1 : Button
- button : Button

+ RegisterFrame ( ) : RegisterFrame
+ actionPerformed (e : ActionEvent)

AdminFrame

- btn1 : Button
- btn2 : Button
- btn3 : Button
- btn4 : Button
- btn5 : Button
- btn6 : Button
- btn7 : Button
- btn8 : Button
- Username : String

+ AdminFrame (Username : String) : AdminFrame
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

(partial class, right edge)

- butto
- User
- btn2
- btn3

+ user
+ main
+ actio

---

movie

+ movieTitle: String
+ movieActors: String
+ movieDirector: String
+ movieDescription: String
+ yearofRelease: int
+ genre: String
+ cost: Double
+ stock: int

+ getMovieTitle(String title): String
+ String getGenre(): String
+ getDescription(): String
+ getActors(): List<String>
+ getDirector(): String
+ getReleaseYear(): int
+ getCost(): double
+ getStock(): int
+ setDescription(String newDescription): void
+ setMovieActors(newMovieActors): void
+ setDirector(String newMovieDirector): void
+ setMovieTitle(String newMovieTitle): void
+ setReleaseYear(int newReleaseYear): void
+ setMovieGenre(String newGenre): void
+ setCost(double newCost): void
+ setStock(int newStock): void
+ String toString(): String

AdminMovieFrame

- button1 : Button
- shoppingCart : String
- movieTitle : String
- shoppingList : String
- titleToRemove : String

+ AdminMovieFrame (movieTitle : String) : AdminMovieFrame
+ main (args : String [1..*])

---

movieFrame

- button1 : Button
- shoppingCart : String
- Username : String
~ shoppingList : String [1..*]

+ movieFrame (Username : String) : movieFrame
+ main (args : String [1..*])

(partial class, right)

- button1 : Button
- Username : String
- button2 : Button

+ main (args : String [1..*])
+ shoppingFrame (shoppingCart

EditUsersFrame

- shoppingCart : String
- movieTitle : String
- shoppingList : String
- userToRemove : String

+ EditUsersFrame ( ) : EditUsersFrame
+ main (args : String [1..*])

---

shoppingCart

+ shoppingCart : ArrayList = new ArrayList<movie>()

+ add (movieName : String)
+ remove (movieName : String)
+ display ( )
+ size ( ) : int

userFrame

n1 : Button
name : String
: Button
: Button

Frame (Username : String) : userFrame
n (args : String [1..*])
onPerformed (e : ActionEvent)

<<enumeration>>
orderStatus

Pending
Shipped
Cancelled

<<enumeration>>
PaymentTypes

LoyaltyPoints
Credit
Cash

userOrderFrame

- Username : String

+ userOrderFrame (Username : String) : userOrderFrame
+ main (args : String [1..*])

PhoneOrderFrame

- button1 : Button
- shoppingCart : String
- Username : String
- shoppingList : String [1..*]
- button2 : Butto

+ PhoneOrderFrame ( ) : PhoneOrderFrame
+ main (args : String [1..*])

shoppingFrame

: shoppingCart, Username : String) : shoppingFrame

orderFrame

- button1 : Button
- shoppingCart : String

+ orderFrame ( ) : orderFrame)
+ main (args : String [1..*])

ChangePassword

- btn3 : Button
- changePassword : JTextField

EditMovieFrame

- changeGenre : JTextField
- changeActors : JTextField
- changeMovieTitle : JTextField
- changeDirector : JTextField
- changeYear : JTextField
- changeDescription : JTextField
- changeCost : JTextField
- updateStock : JTextField
- movieTitle : String
- button : Button
- btn1 : Button
- btn2 : Button
- btn3 : Button
- btn4 : Button
- btn5 : Button
- btn6 : Button
- btn7 : Button
- btn8 : Button
- Username : String

+ EditMovieFrame (movieTitle : String) : EditMovieFrame
+ actionPerformed (e : ActionEvent)

AddMovieFrame

- changeGenre : JTextField
- changeActors : JTextField
- changeMovieTitle : JTextField
- changeDirector : JTextField
- changeYear : JTextField
- changeDescription : JTextField
- changeCost : JTextField
- updateStock : JTextField
- movieTitle : String
- btn1 : Button
- button : Button
- btn2 : Button
- btn3 : Button
- btn4 : Button
- btn5 : Button
- btn6 : Button
- btn7 : Button
- btn8 : Button

+ AddMovieFrame ( ) : AddMovieFrame
+ actionPerformed (e : ActionEvent)

ButtonRenderer

+ name : String
+ id : int
+ email : String
+ password : String
+ username : String
+ shippingAddress : S
+ loyaltyPoints : int
+ accountType : Acc

+ User ( ) : User
+ getName ( ) : String
+ setName (name : S

PhoneCartFrame

- button1 : Button
- Username : String

+ main (args : String [1..*])
+ PhoneCartFrame (shoppingCart : shoppingCart) : PhoneCartFrame

PaymentFrame

- btn1 : Button
- Username : String
- loyaltyPoints : int
- btn2 : Button

+ main (args : String [1..*])
+ PaymentFrame (Username : String,
     loyaltyPoints : int,
     newOrder : orders) : PaymentFrame
+ actionPerformed (e : ActionEvent)

orders

+ orderID : int
+ shoppingCart : String
+ orderTotal : double
+ orderStatus : orderStatus
+ shippingAddress : String
+ username : String

+ orders ( ) : orders
+ getOrderID ( ) : int
+ getShoppingCart ( ) : String
+ getOrderTotal ( ) : double
+ getOrderStatus ( ) : orderStatus
+ getShippingAddress ( ) : String
+ getUsername ( ) : String
+ setOrderID (newOrderID : int)
+ setShoppingCart (newShoppingCart : String)
+ setOrderTotal (newOrderTotal : double)
+ setShippingAddress (newShippingAddress : String)
+ setUsername (username : String)
+ toString ( ) : String
+ orders (orderID : int,
     shoppingCart : String,
     orderTotal : double,
     orderStatus : orderStatus,
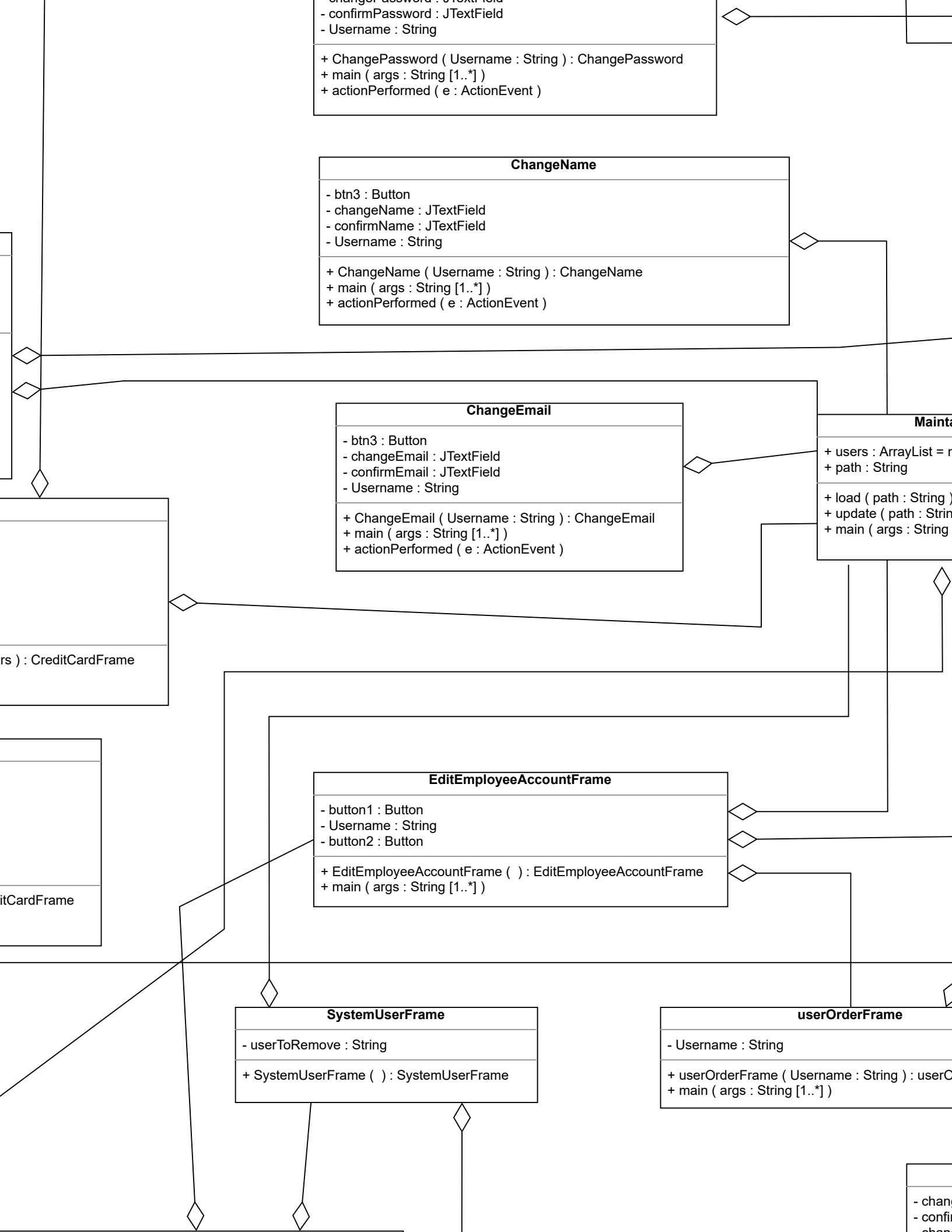   shippingAddress : String,
     username : String) : orders
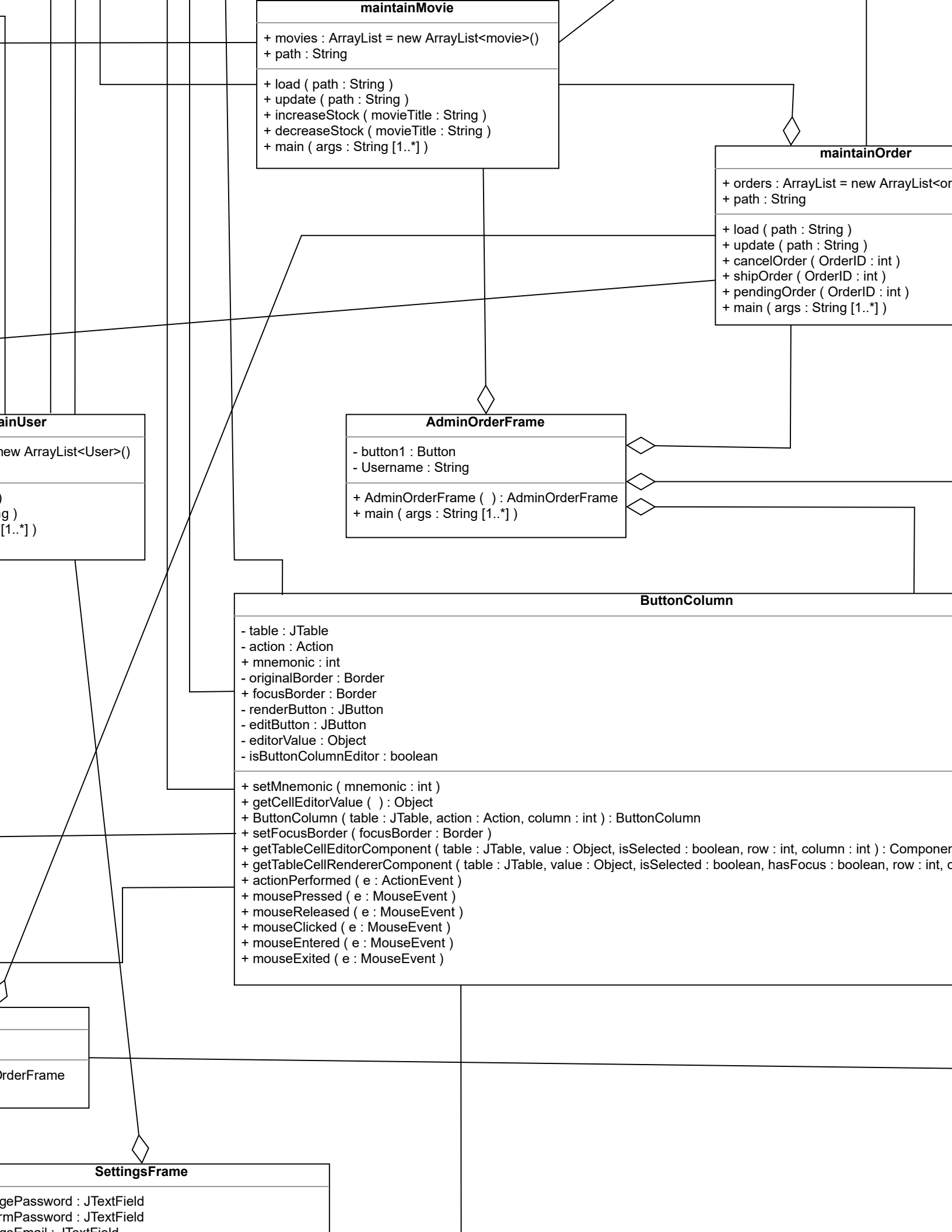 + setOrderStatus (newOrderStatus : orderStatus)

CreditCardFrame

- getCreditCardNumber : JTextField
- getCreditCardExpiration : JTextField
- getCreditCardName : JTextField
- getCreditCardCVV : JTextField
- Username : String
- btn1 : Button
~ button : Button

+ CreditCardFrame (Username : String, newOrder : orde
+ actionPerformed (e : ActionEvent)

PhoneCreditCardFrame

- getCreditCardNumber : JTextField
- getCreditCardExpiration : JTextField
- getCreditCardName : JTextField
- getCreditCardCVV : JTextField
- getShippingAddress : JTextField
- btn1 : Button
- button : Button

+ PhoneCreditCardFrame (newOrder : orders) : PhoneCred
+ actionPerformed (e : ActionEvent)

User

String

ountType

g
String)

ChangePassword (partial, top)

- confirmPassword : JTextField
- Username : String

+ ChangePassword (Username : String) : ChangePassword
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

ChangeName

- btn3 : Button
- changeName : JTextField
- confirmName : JTextField
- Username : String

+ ChangeName (Username : String) : ChangeName
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

ChangeEmail

- btn3 : Button
- changeEmail : JTextField
- confirmEmail : JTextField
- Username : String

+ ChangeEmail (Username : String) : ChangeEmail
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

Mainta (partial, right edge)

+ users : ArrayList = r
+ path : String

+ load (path : String)
+ update (path : Strin
+ main (args : String

---

rs) : CreditCardFrame

itCardFrame

EditEmployeeAccountFrame

- button1 : Button
- Username : String
- button2 : Button

+ EditEmployeeAccountFrame ( ) : EditEmployeeAccountFrame
+ main (args : String [1..*])

SystemUserFrame

- userToRemove : String

+ SystemUserFrame ( ) : SystemUserFrame

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userOrderFrame

- Username : String

+ userOrderFrame (Username : String) : userO
+ main (args : String [1..*])

(partial, bottom right)

- chang
- confir

maintainMovie

+ movies : ArrayList = new ArrayList<movie>()
+ path : String

+ load (path : String)
+ update (path : String)
+ increaseStock (movieTitle : String)
+ decreaseStock (movieTitle : String)
+ main (args : String [1..*])

maintainOrder

+ orders : ArrayList = new ArrayList<or
+ path : String

+ load (path : String)
+ update (path : String)
+ cancelOrder (OrderID : int)
+ shipOrder (OrderID : int)
+ pendingOrder (OrderID : int)
+ main (args : String [1..*])

ainUser

new ArrayList<User>()

)

g)
[1..*])

AdminOrderFrame

- button1 : Button
- Username : String

+ AdminOrderFrame ( ) : AdminOrderFrame
+ main (args : String [1..*])

ButtonColumn

- table : JTable
- action : Action
+ mnemonic : int
- originalBorder : Border
+ focusBorder : Border
- renderButton : JButton
- editButton : JButton
- editorValue : Object
- isButtonColumnEditor : boolean

+ setMnemonic (mnemonic : int)
+ getCellEditorValue ( ) : Object
+ ButtonColumn (table : JTable, action : Action, column : int) : ButtonColumn
+ setFocusBorder (focusBorder : Border)
+ getTableCellEditorComponent (table : JTable, value : Object, isSelected : boolean, row : int, column : int) : Componen
+ getTableCellRendererComponent (table : JTable, value : Object, isSelected : boolean, hasFocus : boolean, row : int, c
+ actionPerformed (e : ActionEvent)
+ mousePressed (e : MouseEvent)
+ mouseReleased (e : MouseEvent)
+ mouseClicked (e : MouseEvent)
+ mouseEntered (e : MouseEvent)
+ mouseExited (e : MouseEvent)

OrderFrame

SettingsFrame

gePassword : JTextField
rmPassword : JTextField
geEmail : JTextField

ButtonRenderer

+ ButtonRenderer ( ) : ButtonRenderer
+ getTableCellRendererComponent (table : JTable,
    value : Object,
    isSelected : boolean,
    hasFocus : boolean,
    row : int, column : int) : Component

ders>()

nt
column : int) : Component

+ getId ( ) : int
+ setId (id : int)
+ getEmail ( ) : String
+ setEmail (email : S
+ getPassword ( ) : S
+ setPassword (pass
+ setUsername (use
+ getUsername ( ) : S
+ getAddress ( ) : Str
+ setAddress (newAc
+ getPoints ( ) : int
+ setPoints (newPoir
+ getAccountType ( )
+ toString ( ) : String
+ User (name : String
+ setAccountType (a

g
tring)
String
sword : String)
rname : String)
String
ring
ddress : String)

nts : int)
) : AccountType

g, id : int, email : String, password : String, username : String, shippingAddress : String, loyaltyPoints : int, accountType : AccountType) : User
ccountType : AccountType)

-
-
+
+
+

SystemFrame

- button1 : Button
- button2 : Button

+ SystemFrame ( ) : SystemFrame
+ main (args : String [1..*])
+ actionPerformed (e : ActionEvent)

- chang
- confir
- chang
- confir
- Usern
- butto
- btn1
- btn2
- btn3
- btn4

+ Setti
+ actio

geEmail : JTextField
rmEmail : JTextField
geName : JTextField
rmName : JTextField
name : String
n : Button
: Button
: Button
: Button
: Button

ngsFrame (Username : String) : SettingsFrame
onPerformed (e : ActionEvent)