Sale
- saleId: Int
- clientCPF: String
- total: double
- paymentMethod: String
- id: Int

+ registerSale()
+ readSale()
+ getSalesByEmployee
+ getAllSales
+ gets and sets

Employee
- name: String
- cellphone: String
- CPF: String
- employeeCode: Int

+ registerEmployee()
+ readEmployee()
+ deleteEmployee()
+ editEmployee()
+ gets and sets

Beverage
-hasIce: boolean
-isDiet: boolean
-hasStraw: boolean

+ registerFood()
+ readFood()
+ updateFood()
+ deleteFood()
+ gets and sets

<<Abstract>>
Food
-name: String
-price: double
-stockQuantity: Int
-batch: Int

+ registerFood()
+ readFood()
+ updateFood()
+ deleteFood()
+ gets and sets

Snack
-isSweet: boolean

+ registerFood()
+ readFood()
+ updateFood()
+ deleteFood()
+ gets and sets

MovieRoom
- seatAmount: int
- is3D: boolean
- acessibility: boolean
- price: double
-roomNumber: int

+ registerItem()
+ updateItem()
+ readItem()
+ deleteItem()
+ gets and sets

Session
- schedule: Date
- sessionId: int

+ registerSession()
+ readSession()
+ deleteSession()
+ gets and sets

Movie
- name: String
- year: int
- genre: String
- synopsis: String
-movieId: int

+ registerMovie()
+ readMovie()
+ deleteMovie()
+ editMovie()
+ getMovieByName()
+ getMovieByGenre()
+ gets and sets

Data
- snacks: ArrayList<Snack>
- beverages: ArrayList<Beverage>
- movies: ArrayList<Movie>
- employees: ArrayList<Employee>
- rooms: ArrayList<MovieRoom>
- sessions: ArrayList<Session>
- sales: ArrayList<Sale>

+ fillWithSomeRandomData(): void
+ gets and sets
+ updateSnack(int, Snack): boolean
+ updateBeverage(int, Beverage): boolean
+ updateMovie(int, Movie): boolean
+ updateEmployee(int, Employee): boolean
+ updateRoom(int, MovieRoom): boolean

0..* 1 0..* 0..* 1 0..* 0..* 1..* 1 1..* 1 0..*

DataControl

- data: Data

+ gets and sets
+ editSnack(String[]): boolean
+ editBeverage(String[]): boolean
+ editMovie(String[]): boolean
+ editEmployee(String[]): boolean
+ editRoom(String[]): boolean
+ editSession(String[]): boolean
+ addSnack(String[]): boolean
+ addBeverage(String[]): boolean
+ addMovie(String[]): boolean
+ addEmployee(String[]): boolean
+ addRoom(String[]): boolean
+ addSession(String[]): boolean
+ addSale(): boolean
+ deleteSnack(int): boolean
+ deleteBeverage(int): boolean
+ deleteMovie(int): boolean
+ deleteEmployee(int): boolean
+ deleteRoom(int): boolean
+ deleteSession(int): boolean
+ deleteSale(int): boolean

BeverageControl

- beverages: ArrayList<Beverage>

+ getBeverageName(): String []

SessionControl

- sessions: ArrayList<Session>

+ getSessionsDetails(): String []

EmployeeControl

- employees: ArrayList<Employee>

+ getEmployeesName(): String []

SnackControl

- snacks: ArrayList<Snack>

+ getSnacksName(): String[]

MovieControl

- movies: ArrayList<Movie>

+ getMoviesName(): String []
+ getMoviesGenre(): String[]

RoomControl

- movies: ArrayList<MovieRoom>

+ getRoomsNumber(): String []

SessionItem
- window: JFrame
- windowLabel: String
- labelSessionDate: JLabel
- sessionDate JTextField
- labelRoomNumber: JLabel
- roomNumber: JList<String>
- labelMovieName: JLabel
- movieName: JList<String>
- labelDateExemple: JLabel
- labelSessionId: JLabel
- sessionId: JTextField
- delete: JButton
- save: JButton
- editedSessions: String []
- editedMovie: Movie
- editedRoom: Room
- newSession: String[]
- listMovies: JList<String>
- listRooms: JList<String>
- moviesNames: String[]
- roomNumberList: String[]
- data: DataControl
- position: int
- option: int
- dateFormat: SimpleDataFormat

+ addEdit(int, DataControl, RoomSubMenu, int): void
+ actionPerformed(ActionEvent): void

MovieItem
- window: JFrame
- windowLabel: String
- labelMvName: JLabel
- MvName: JTextField
- labelMvYear: JLabel
- MvYear: JTextField
- labelMvGenre: JLabel
- MvGenre: JTextField
- labelMvSynopsis: JLabel
- MvSynopsis: JTextField
- movieId: int
- deleteMovie: JButton
- saveMovie: JButton
- newMovie: String[]
- editedMovie: String[]
- data: DataControl
- position: int
- option: int

+ addEdit(int, DataControl, MovieSubMenu, int): void
+ actionPerformed(ActionEvent): void

Possui relacionamento com:
- SessionSubMenu
- RoomSubMenu
- MovieSubMenu
- FoodSubMenu
- EmployeeSubMenu

<<interface>> ActionListener

Possui relacionamento com todas as classes

<<interface>> ListSelectionListener

Control
DataControl

Possui relacionamento com todas as classes

SessionSubmenu
- window: JFrame
- title: JLabel
- addSession: JButton
- refresh: JButton
- listSessions: JList<String>
- sessionsNames: String[]

+ showData(DataControl): void
+ actionPerformed(ActionEvent): void

MovieSubmenu
- window: JFrame
- title: JLabel
- createMovie: JButton
- refreshMovie: JButton
- searchMovie: JButton
- labelSearchByName: JLabel
- searchByName: JTextField
- labelSearchByGenre: JLabel
- searchByGenre: JTextField
- data: DataControl
- listMovies: JList<String>
- moviesNames: String[]

+ showData(DataControl): void
+ searchTxt(String): void
+ searchGenre(String): void
+ actionPerformed(ActionEvent): void
+ valueChanged(ListSelection): void

RoomItem
- window: JFrame
- labelRoomNumber: JLabel
- roomNumber: JTextField
- labelSeatAmount: JLabel
- seatAmount: JTextField
- is3D: JCheckBox
- acessability: JCheckBox
- labelPrice: JLabel
- price: JTextField
- deleteRoom: JButton
- saveRoom: JButton
- editedRoom: String []
- newRoom: String []
- position: int
- option: int
- windowLabel: String

+ addEdit(int, DataControl, RoomSubMenu, int): void
+ actionPerformed(ActionEvent): void

MenuScreen
- frame: JFrame
- title: JLabel
- employee: JButton
- food: JButton
- movie: JButton
- room: JButton
- session: JButton
- sale: JButton
- data: DataControl

+ main() : void
+ actionPerformed(ActionEvent): void

RoomSubmenu
- frame: JFrame
- title: JLabel
- createRomm: JButton
- refreshRoom: JButton
- listRooms: JList<String>
- roomNumbers: String[ ]
- data: DataControl

+ showData(DataControl): void
+ actionPerformed(ActionEvent): void
+ valueChanged(ListSelectionEvent)

EmployeeSubmenu
- window: JFrame
- title: JLabel
- addEmployee: JButton
- refresh: JButton
- listEmployees: JList<String>
- DataControl: data
- employeesNames: String

+ showData(DataControl): void
+ actionPerformed(ActionEvent): void
+ valueChanged(ListSelectionEvent): void

EmployeeItem
- window: JFrame
- windowLabel: String
- labelName: JLabel
- name: JTextField
- labelCellphone: JLabel
- cellphone: JTextField
- labelCPF: JLabel
- cpf: JTextField
- labelEmpCode: JLabel
- empCode JTextField
- deleteEmployee: JButton
- updateEmployee: JButton
- saveEmployee: JButton
- position: int
- option: int
- windowLabel: String

+ addEdit(int, DataControl, RoomSubMenu, int): void
+ actionPerformed(ActionEvent): void

FoodItem
- window: JFrame
- windowLabel: String
- labelName: JLabel
- name: JTextField
- labelPrice: JLabel
- price: JTextField
- labelStock JLabel
- stock: JTextField
- labelBatch JLabel
- batch: JTextField
- isSweet: JCheckBox
- isDiet: JCheckBox
- hasIce: JCheckBox
- hasStraw: JCheckBox
- deleteSnack: JButton
- saveSnack: JButton
- deleteBeverage: JButton
- saveBeverage: JButton
- editedSnack: String[]
- newSnack: String[]
- editedBeverage String[]
- newBeverage: String[]
- position: int
- option: int
- data: DataControl

+ addEdit(int, DataControl, FoodSubMenu, int)
+ actionPerformed(ActionEvent): void

FoodSubMenu
- window: JFrame
- title: JLabel
- createBeverage: JButton
- createSnack: JButton
- updateFood: JButton
- data: DataControl
- listSnacks: JList<String>
- listBeverages: JList<String>
- snacksNames: String[]
- beveragesNames: String[]

+ showData(DataControl): void
+ actionPerformed(ActionEvent): void
+ valueChanged(ListSelectionEvent): void

SaleSubMenu
- window: JFrame
- title: JLabel
- addSale: JButton
- data: DataControl

+ showData(DataControl): void
+ actionPerformed(ActionEvent): void

AddSaleItem
- window: JFrame
- title: JLabel
- foodSale: JButton
- ticketSale: JButton
- finishSale: Button
- salePosition: int
- data: DataControl

+ showData(DataControl): void
+ ActionPerformed(ActionEvent): void

FoodSale
- window: JFrame
- title: JLabel
- addItem: JButton
- list Beverages: JList <String>
- listSnacks: JList <String>
- snacksNames: String[]
- beveragesNames: String[]
- salePos: int
- data: DataControl

+ showData(DataControl, int): void
+ actionPerformed(ActionEvent): void

finishSaleItem
- window: JFrame
- title: JLabel
- labelEmployeeCode: JLabel
- employeeCode: JTextField
- labelClientCPF: JLabel
- clientCPF: JTextField
- labelTotal: JLabel
- total: JTextField
- labelPaymentMethod: JLabel
- debitMethod: JRadioButton
- creditMethod: JRadioButton
- cashMethod: JRadioButton
- cancelSale JButton
- saveSale JButton
- salePos: int
- data: DataControl

+ addEdit(DataControl, AddSaleItem, int, int): void
+ actionPerformed(ActionEvent): void

ticketSale
- window: JFrame
- title: JLabel
- newTicket: JButton
- listTickets: JList<String>
- ticketsNames: String
- salePos: int
- data: DataControl

+ showData(DataControl): void
+ actionPerformed(ActionEvent): void