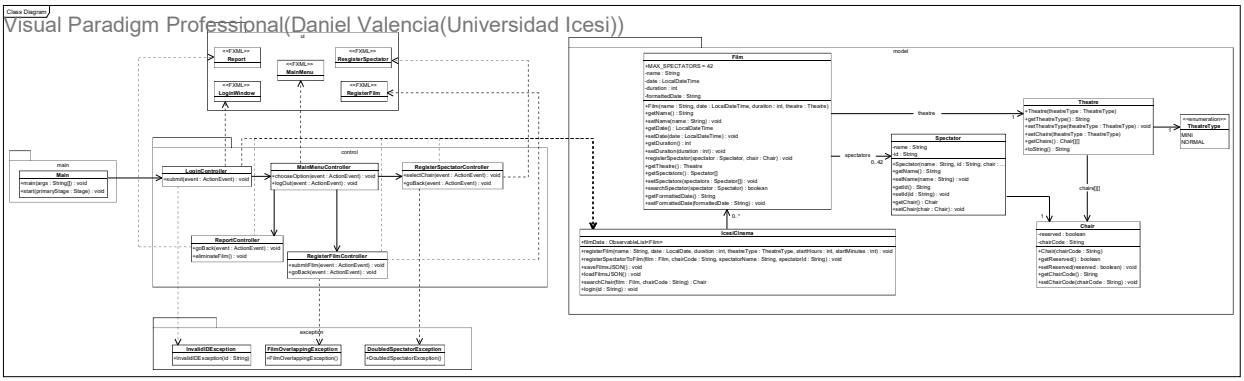
Class Diagram
Visual Paradigm Professional(Daniel Valencia(Universidad Icesi))
ui
<<FXML>>
Report
<<FXML>>
MainMenu
<<FXML>>
RegisterSpectator
<<FXML>>
LoginWindow
<<FXML>>
RegisterFilm
main
Main
+main(args : String[]) : void
+start(primaryStage : Stage) : void
control
LoginController
+submit(event : ActionEvent) : void
MainMenuController
+chooseOption(event : ActionEvent) : void
+logOut(event : ActionEvent) : void
RegisterSpectatorController
+selectChair(event : ActionEvent) : void
+goBack(event : ActionEvent) : void
ReportController
+goBack(event : ActionEvent) : void
+eliminateFilm() : void
RegisterFilmController
+submitFilm(event : ActionEvent) : void
+goBack(event : ActionEvent) : void
exception
InvalidIDException
+InvalidIDException(id : String)
FilmOverlappingException
+FilmOverlappingException()
DoubledSpectatorException
+DoubledSpectatorException()
model
Film
+MAX_SPECTATORS = 42
-name : String
-date : LocalDateTime
-duration : int
-formatedDate : String
+Film(name : String, date : LocalDateTime, duration : int, theatre : Theatre)
+getName() : String
+setName(name : String) : void
+getDate() : LocalDateTime
+setDate(date : LocalDateTime) : void
+getDuration() : int
+setDuration(duration : int) : void
+registerSpectator(spectator : Spectator, chair : Chair) : void
+getTheatre() : Theatre
+getSpectators() : Spectator[]
+setSpectators(spectators : Spectator[]) : void
+searchSpectator(spectator : Spectator) : boolean
+getFormatedDate() : String
+setFormatedDate(formatedDate : String) : void
theatre
1
Theatre
+Theatre(theatreType : TheatreType)
+getTheatreType() : String
+setTheatreType(theatreType : TheatreType) : void
+setChairs(theatreType : TheatreType)
+getChairs() : Chair[][]
+toString() : String
<<enumeration>>
TheatreType
MINI
NORMAL
spectators
0..42
Spectator
-name : String
-id : String
+Spectator(name : String, id : String, chair : ...
+getName() : String
+setName(name : String) : void
+getId() : String
+setId(id : String) : void
+getChair() : Chair
+setChair(chair : Chair) : void
chairs[][]
1
Chair
-reserved : boolean
-chairCode : String
+Chair(chairCode : String)
+getReserved() : boolean
+setReserved(reserved : boolean) : void
+getChairCode() : String
+setChairCode(chairCode : String) : void
0..*
IcesiCinema
+filmData : ObservableList<Film>
+registerFilm(name : String, date : LocalDate, duration : int, theatreType : TheatreType, startHours : int, startMinutes : int) : void
+registerSpectatorToFilm(film : Film, chairCode : String, spectatorName : String, spectatorId : String) : void
+saveFilmsJSON() : void
+loadFilmsJSON() : void
+searchChair(film : Film, chairCode : String) : Chair
+login(id : String) : void