

User
<div><div>- email : str</div><div>- first_name : str</div><div>- last_name : str</div><div>- password: str</div><div>- role : Role</div><div>- reservations : Collection<Reservation></div></div>
<div><div>+ getEmail() : str</div><div>+ setEmail(username str)</div><div>+ getFirstName() : str</div><div>+ setFirstName(first_name str)</div><div>+ getLastName() : str</div><div>+ setLastName(last_name str)</div><div>+ getPassword() : str</div><div>+ setPassword(username str)</div><div>+ getRole() : Role</div><div>+ setRole(role Role)</div><div>+ getReservations() : Collection<Reservation></div><div>+ setReservations(reservations Collection<Reservation>)</div></div>

Showing
<div><div>- id : int</div><div>- state : State</div><div>- showingDate : str</div><div>- showingRoom : int</div><div>- movie : Movie</div><div>- reservations : Collection<Reservation></div></div>
<div><div>+ getId() : int</div><div>+ setId(id int)</div><div>+ getState() : State</div><div>+ setState(state State)</div><div>+ getShowingDate() : str</div><div>+ setShowingDate(showingDate str)</div><div>+ getShowingRoom() : int</div><div>+ setShowingRoom(showingRoom int)</div><div>+ getMovie() : Movie</div><div>+ setMovie(movie Movie)</div><div>+ getReservations() : Collection<Reservation></div><div>+ setReservations(reservations Collection<Reservations>)</div></div>

<< enumeration >> Role
<div>USER</div> <div>EMPLOYEE</div> <div>EMPLOYER</div> <div>ADMIN</div>

<< enumeration >> State
<div>SCHEDULED</div> <div>CURRENTLY_SHOWING</div> <div>FINISHED</div>

Movie
<div><div>- title : str</div><div>- poster : str</div><div>- director : str</div><div>- duration : int</div><div>- description : str</div><div>- genre : str</div><div>- showings : Collection<Showing></div></div>
<div><div>+ getTitle() : str</div><div>+ setTitle(title str)</div><div>+ getPoster() : str</div><div>+ setPoster(poster str)</div><div>+ getDirector() : str</div><div>+ setDirector(director str)</div><div>+ getDuration() : int</div><div>+ setDuration(duration int)</div><div>+ getDescription() : str</div><div>+ setDescription(description str)</div><div>+ getGenre() : str</div><div>+ setGenre(genre str)</div><div>+ getShowings() : Collection<Showing></div><div>+ setShowings(showings Collection<Showing>)</div></div>

Reservation
<div><div>- id : int</div><div>- reservedShowing : Showing</div><div>- ReservedUser : User</div></div>
<div><div>+ getId(): int</div><div>+ setId(id int)</div><div>+ getReservedShowing() : Showing</div><div>+ setReservedShowing(showing Showing)</div><div>+ getReservedUser() : User</div><div>+ setReservedUser(user User)</div></div>