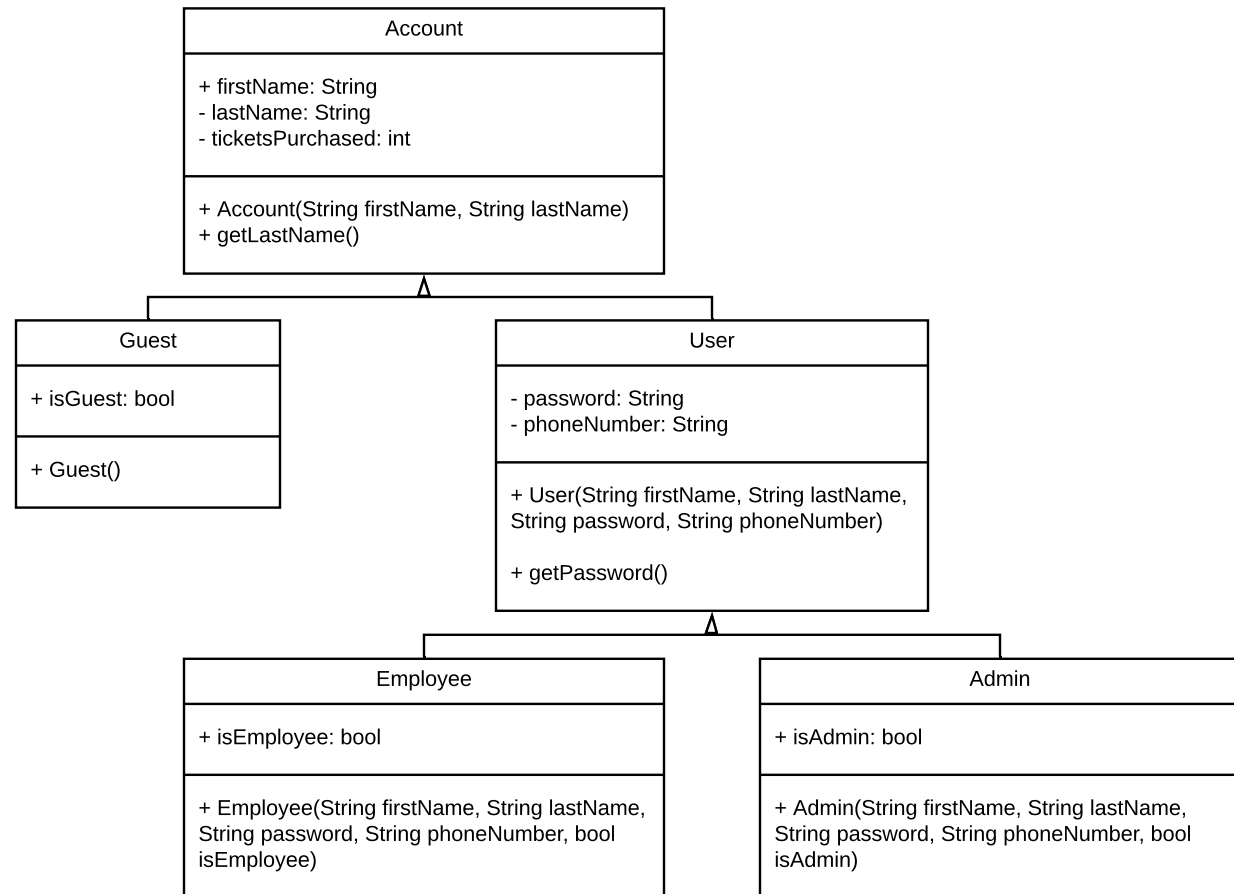
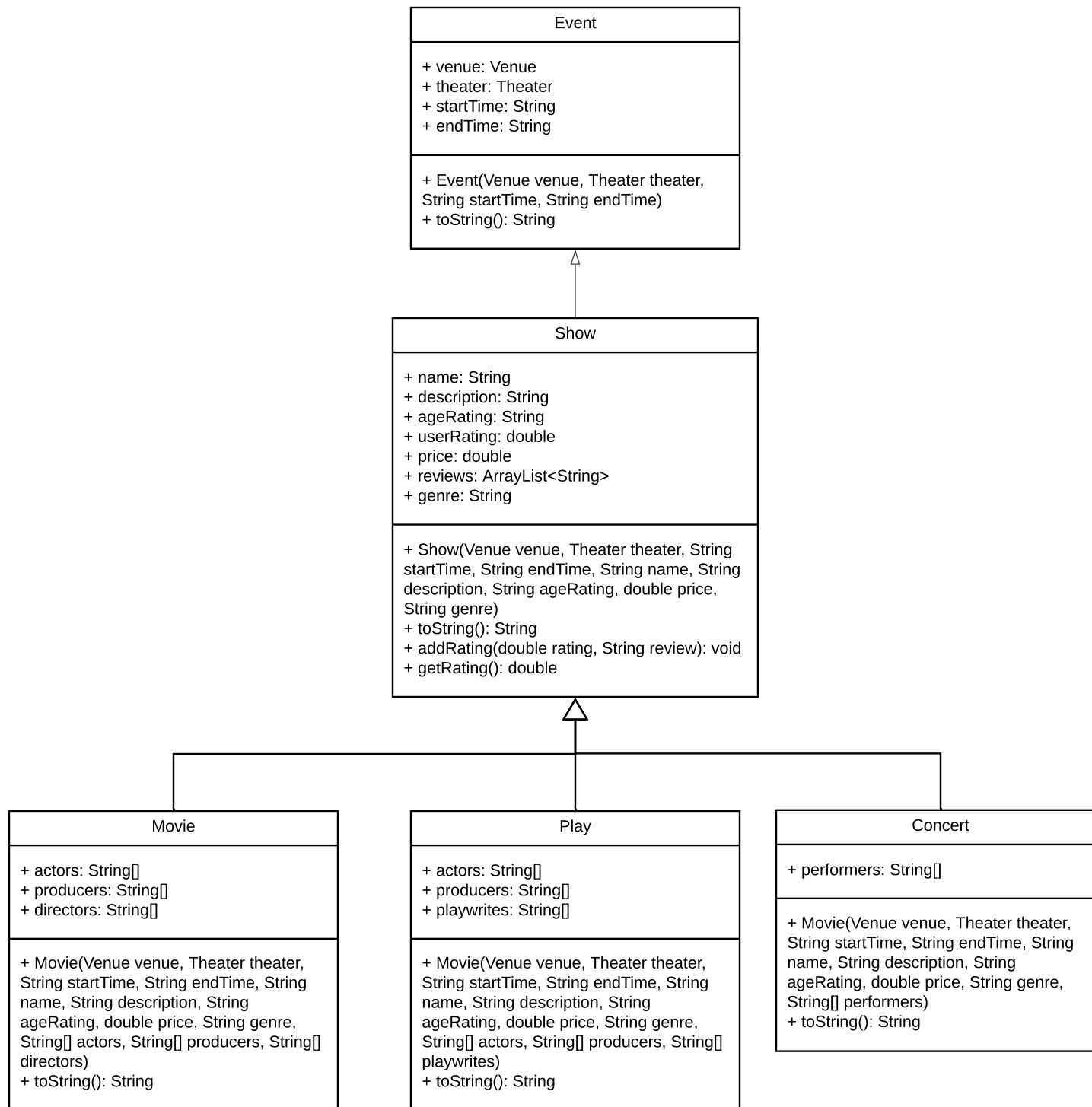


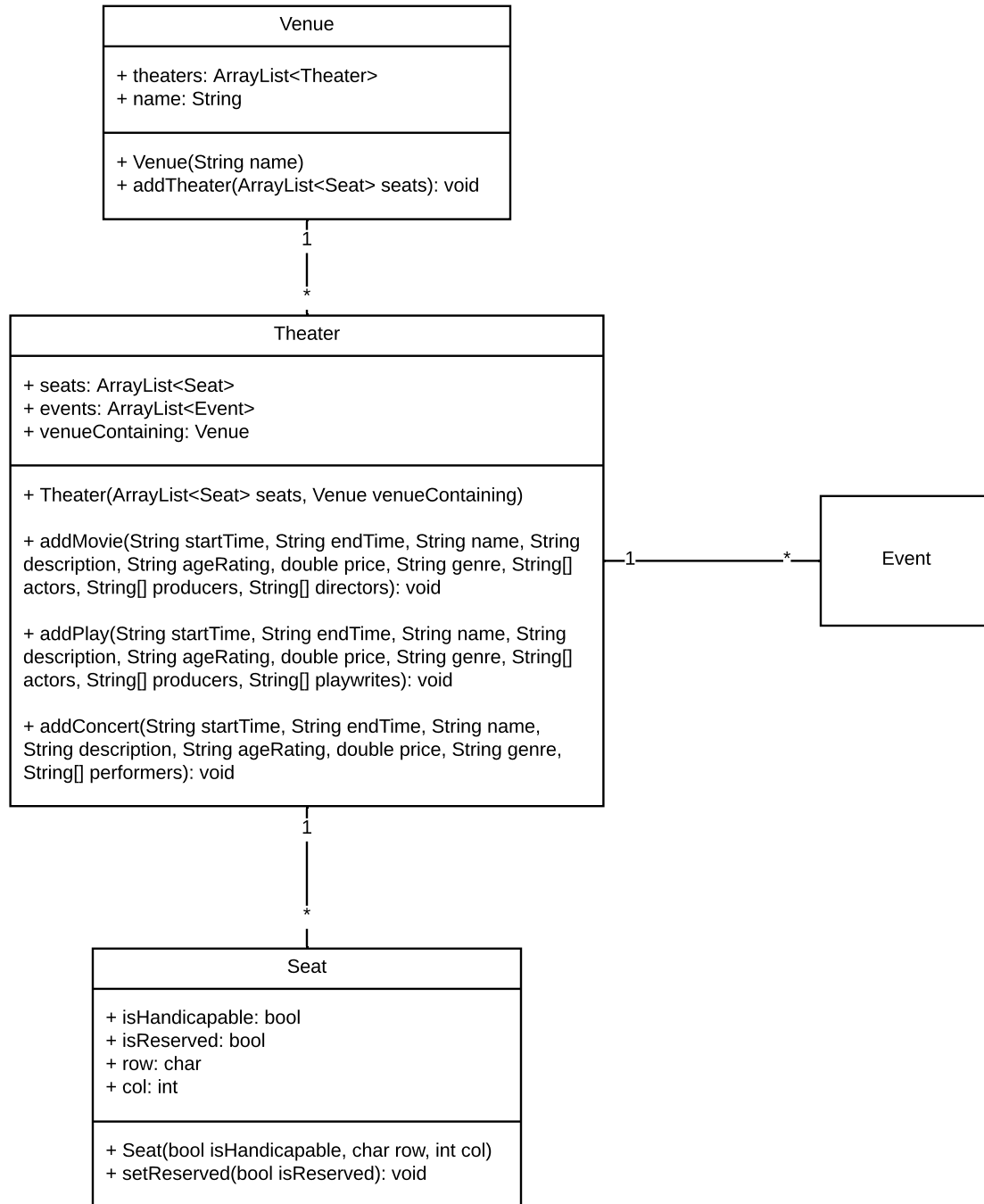
The guest will be an account with:
-firstName "Guest"
-lastName "User"
-isGuest True

There will only be one guest account
so there is no need to allow the
constructor to take in other names





When adding an Event, the method will use 'this.venueContaining' for the Venue and 'this' for the Theater



TheaterSystem
- accounts: ArrayList<Account> + currentAccount: Account + venues: ArrayList<Venue>
+ TheaterSystem() + TheaterSystem(ArrayList<Account> accounts, ArrayList<Venue> venues) + login(String firstName, String lastName, String password): void + createAccount(String firstName, String lastName, String phoneNumber, String password, bool isEmployee, bool isAdmin): void + searchShowName(String showName): ArrayList<Show> + searchGenre(String genre): ArrayList<Show> + searchRating(double rating): ArrayList<Show> + searchAgeRating(String ageRating): ArrayList<Show> + addShow(Theater theater): void + seatSearch(Theater theater, char row, int col): Seat + nextSeatSearch(Theater theater): Seat + purchaseTicket(Show show): void + purchaseTicket(Show show, char row, int col): void + refundTicket(Show show): void + printTicket(Show show, Seat seat): void + leaveReview(double rating, String review, Show show): void + deleteReview(double rating, String review, Show show): void + saveToJSON(): void + loadFromJSON(): void

TheaterSystemUI
+ <u>tsUI: TheaterSystemUI</u> + <u>ts: TheaterSystem</u> + <u>key: Scanner</u> + <u>quit: boolean</u> + mainMenuOptions: String[]
+ main() + run(): void - checkUserType(): int - displayMainMenu(): void - login(): void - createAccount(): void - displayGuest(): void - displayUser(): void - displayEmployee(): void - displayAdmin(): void - searchByName(): void - searchByGenre(): void - searchByRating(): void - addEvent(): void - displayEventList(): void - displayEventInfo(Event event): void - displaySeats(): void - getUserInput(): void

JSONHandler
- accountsFile: String - venuesFile: String
+ loadAccounts(): ArrayList<Account> + loadVenues(): ArrayList<Venue> + saveAccounts(ArrayList<Account>): void + saveVenues(ArrayList<Venue>): void