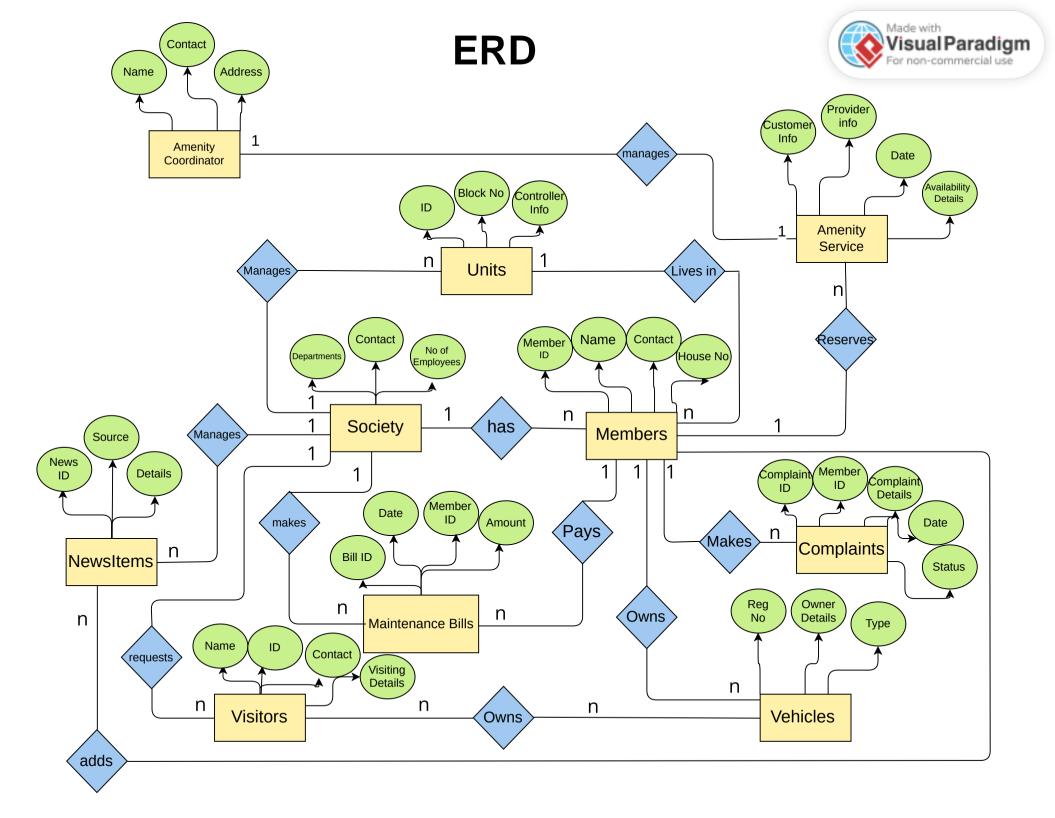
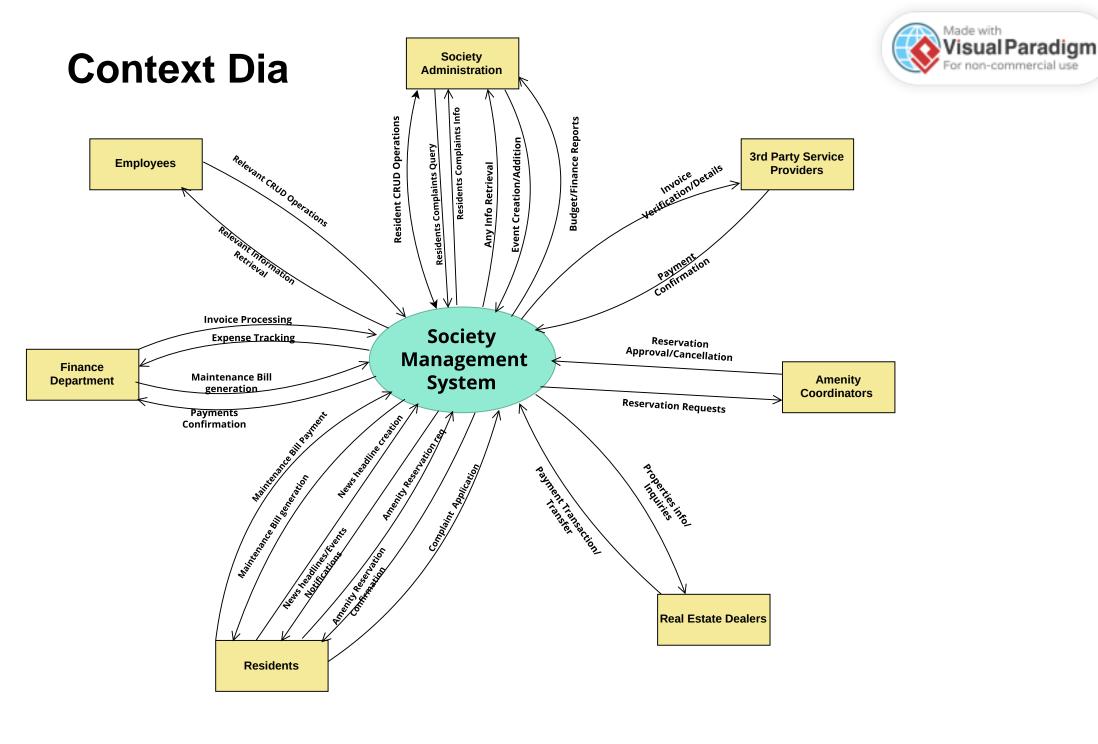
User · id: int **CLASS DIAGRAM** contact: string name:string Addess: string password : int + login() void + logout() void + updateProfile() void Parking Manager Member Admin Society - currentStatus : bool - noDepartments: int - adminRights : list visitor_log : list - noEmployee: int vehiclemonitoring_system : map - contact: string + bookAmenities() - noUnits: int + residentVoting() + facilityServices() addEmployee() - departsInfo: sting + changeDepartmentInfo() + controlvisitors() void + fileComplaint() + getDepartmentsIfo() + monitorvehicles () void + getEmergencyHelpline() + setDepartmentsIfo() + payBill() + viewNewsHealines() + propertyTransaction() **Facility Services** Complaint - facilityType: string Events - facilityProvidername: string - facilityReciver: string - complaintID : int · id : int - date: int - description : string - time : clock - facilityProviderContact: int - category : string date : int - facilityReciverContact: int - status : string name : string - data : int poster : image - assignedStaff : string description : string Emergency Helpline getServicedetail() + deleteService() emergencyNumber : intonDutyGuard : string + submitComplaint(complaintID,description, catagory) void + Events() + addService() + getComplainDetail() string + setDate(int) : void + getProviderDetails() + updateStatus() void + changeDate(int) : bool + getRecieverDetails() + getStatus() string + deleteEvent() : bool + updateEmergencyNumber(number) void + setPoster (image): void + getEmergencyNumber() int + setDescription(string) : void + setGuardName(name) void + setRemainder() : void Vehicle Visitor + getGuardName() string - VehicleType:String - id : int News Item - EntranceTime:String - dueDate : int - date : int - ExitTime:String - newsTitle : string - name : string **Property Transaction** - OwnerName:String - newsContent : string - VehicleNumber:String - purpose : string newsOwner : string Amenity Reservation Propertycoordinates:String - carNo : string PropertyPrice:String Availability:Bool + createNews() void + getEntranceTime() void currentOwner:String userName:string + setTitle() void + getExitTime() void newOwner:String reservationType:string + setContent() void + FillDetails() : void + setEntranceTime(string data) String Transaction:Bool reservationTime: string + changeDate(int) : void + getTitle() string + setEntranceTime(string data) String reservationDate: string + getContent() string + cancelVisit(): void + showDetails() Void + getPropertycoordinates() Void reservationDuration:String + editNews() void + changeCarNumber(string):void + setPropertycoordinates(string data) String + ~Visitor() + Transactionstatus() Void + getReservationstatus() void + getcurrentOwner() Void + setcurrentOwner(string name) string + reserveAmenity() void + getnewOwnername() void + viewReservations() void + setnewOwnername(string name) striing + cancelReservations()void + generateUsageReports() void MaintenanceBill billPayment - id : int - dueDate : int - id : int Resident Voting - date : int - PhoneNumber : int - ResidentName : string - email : string - electionStartDate : int - details : string - OTP : int - electionEndDate : int - paymentMethod : BillPayment - electionInstructions : string isPayed : bool - numberOfParticipants : int + billPayment() - candidateList[] : string + setPhoneNumber(int) : void - electionResults : string + MaintenanceBill() + setEmail(string) : void - supervisorName : string + getChallan() : void + generateOTP() + payChallan(PaymentMethod) : bool + getMaintenanceBill() : void + seeStatus() : void +createElection(candidateList[], electionStartDate, electionEndDate) void ~ billPayment() + setDate():void + setCandidate(name) void + ~MaintenanceBill() + castVote() void + setElectionResults() void + getElectionResults() string + setStartDate() void + setEndDate() void

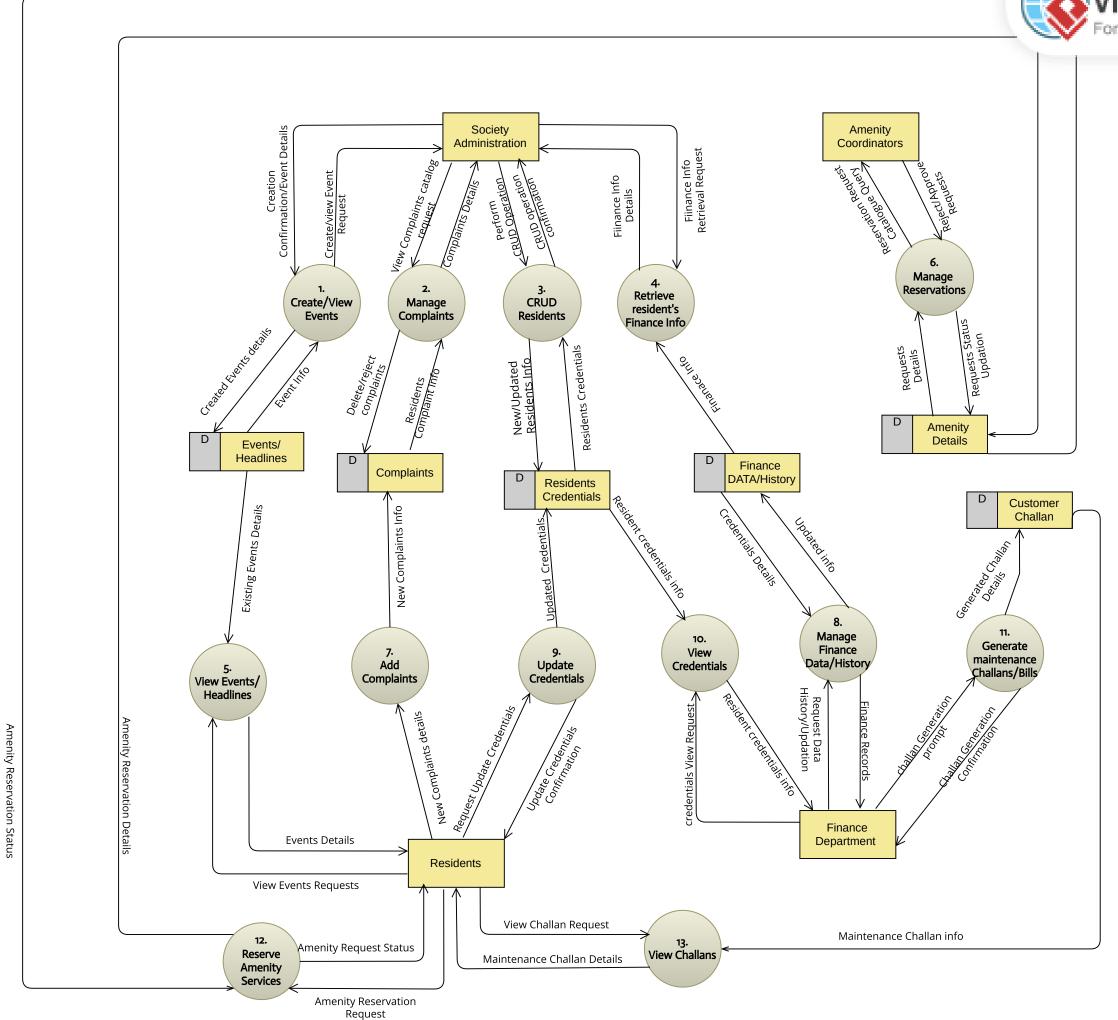
+ getStartDate() int + getEndData() int





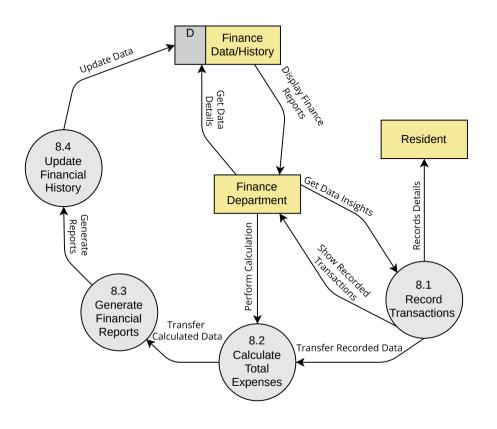
DFD LEV 1





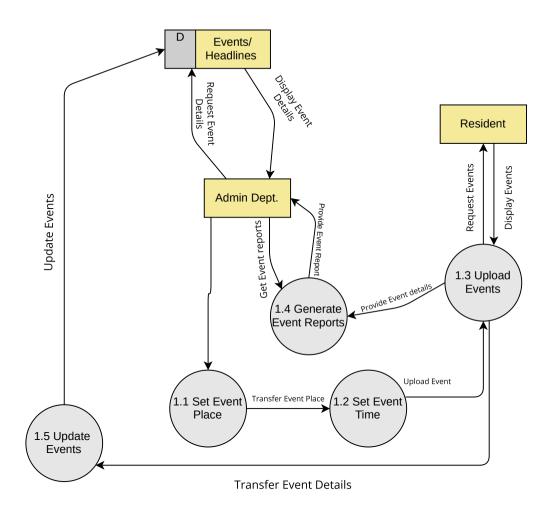
DFD lev 2 - Process 8





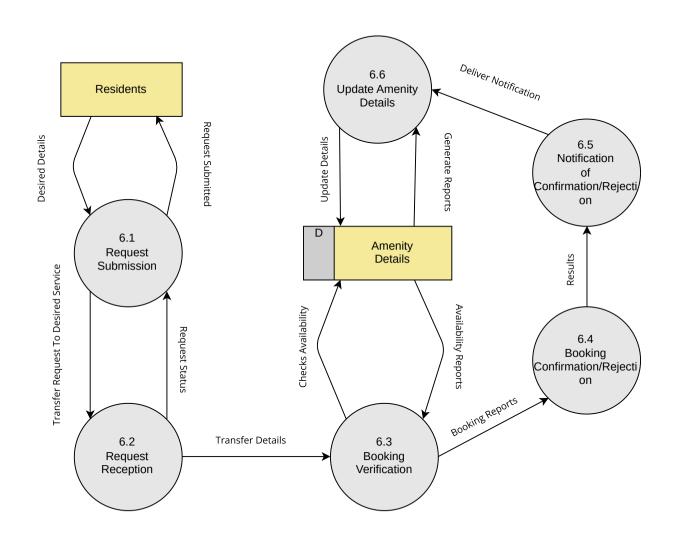






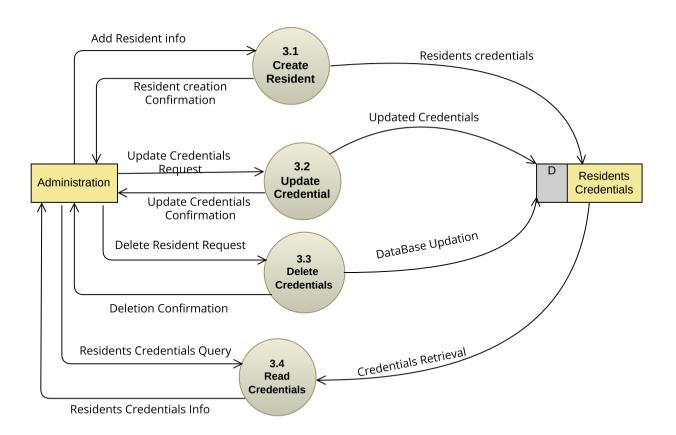
DFD Lev 2- Process 6

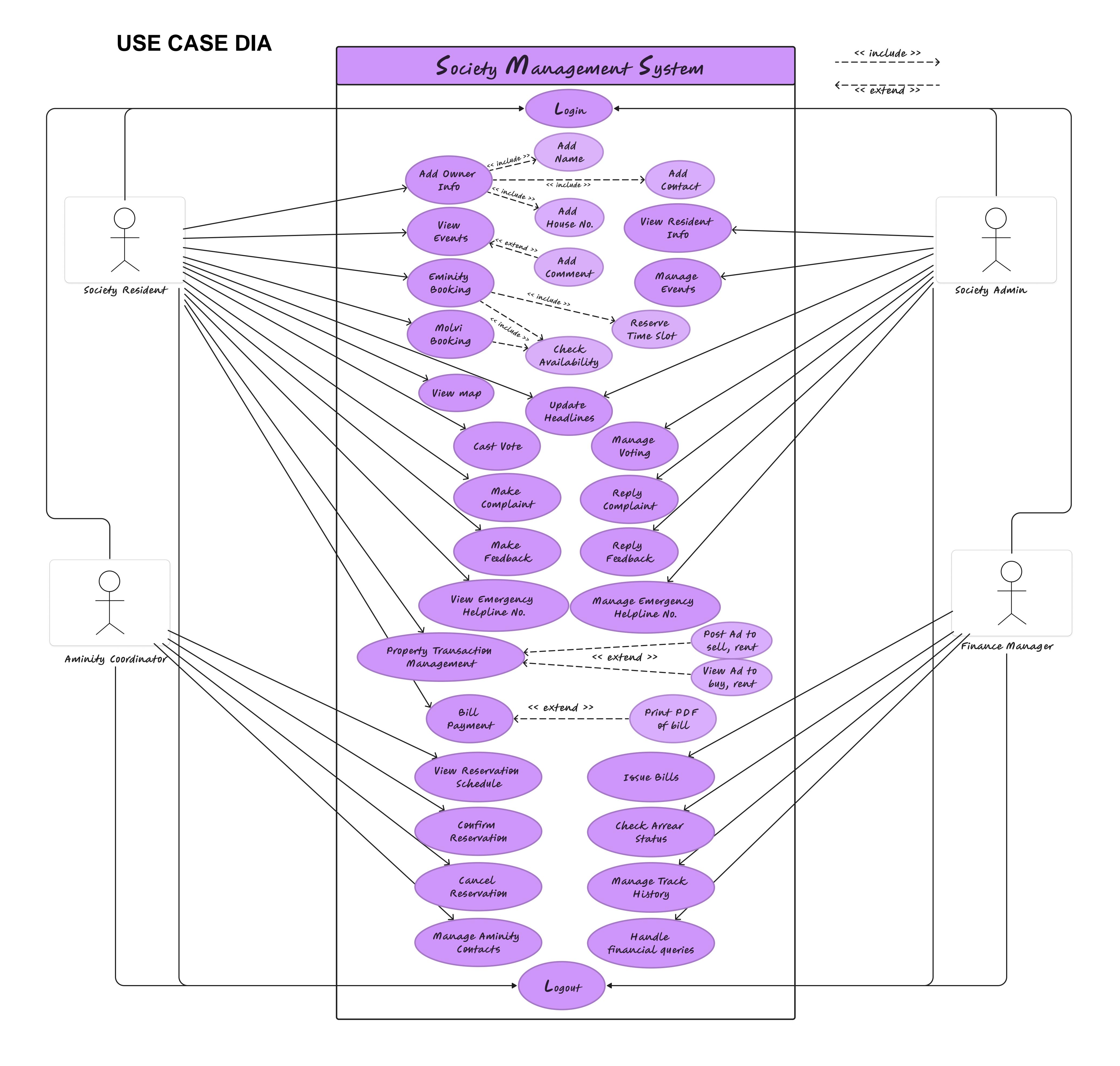






DFD Lev 2- Process 3







Swimlane Dia

