added by

matron

- matron_id : int
- matron_name : int
- matron_email : int
- matron_address :string
- matron_DOB :date
- matron_username : string
- matron_password : string

resident

- resident_id :int
- resident_name :string
- resident_room_no:int
- resident_contact :int
- resident_address :string
- resident_DOB:date
- resident_email :string
- resident_joined_date :date
- res_contact :int
- res_home_contact :int

+ add_resident() :void
+ update_resident() :void
+ delete_resident() :void

add

rate

plan

add

request

pay

inventory

- item_id :int
- last_update_date :date
- item_quantity :int
- item_catogary :string
- item_price: double
- item_name: string

+ add_item() :void
+ update_item() :void
+ delete_item() :void
+ generate_reports() :void
+ serach_item() :void

supplier

- supplier_id :int
- supplier_name :string
- supplier_contact :int
- supplier_email :string
- supplier_username :string
- supplier_password :string
- supplier_type :string

+ add_supplier() :void
+ update_supplier() :void
+ delete_supplier() :void
+ rate_supplier() :void

event

- event_id :int
- event_descp :string
- event_date :int
- event_place:string
- event_organizer :string
- event_title:string
- event_start_time :date

+ add_event() :void
+ update_event() :void
+ delete_event() :void
+ view_event() :void
+ generate_report() :void
+ submit_feedback() :void

feedback

meal_plan

- mealplan_id :int
- mealplan_descp :string
- meal_ingredient :string
- meal_type :string

+ add_mealplan() :void
+ update_mealplan() :void
+ delete_mealplan() :void
+ view_mealpan() :void
+ submit_feedback() :void
+ generate_report() :void

have

supplier_contract

- supplier_contract_id :int
- contract_start_date :date
- contract_end_date :date

order

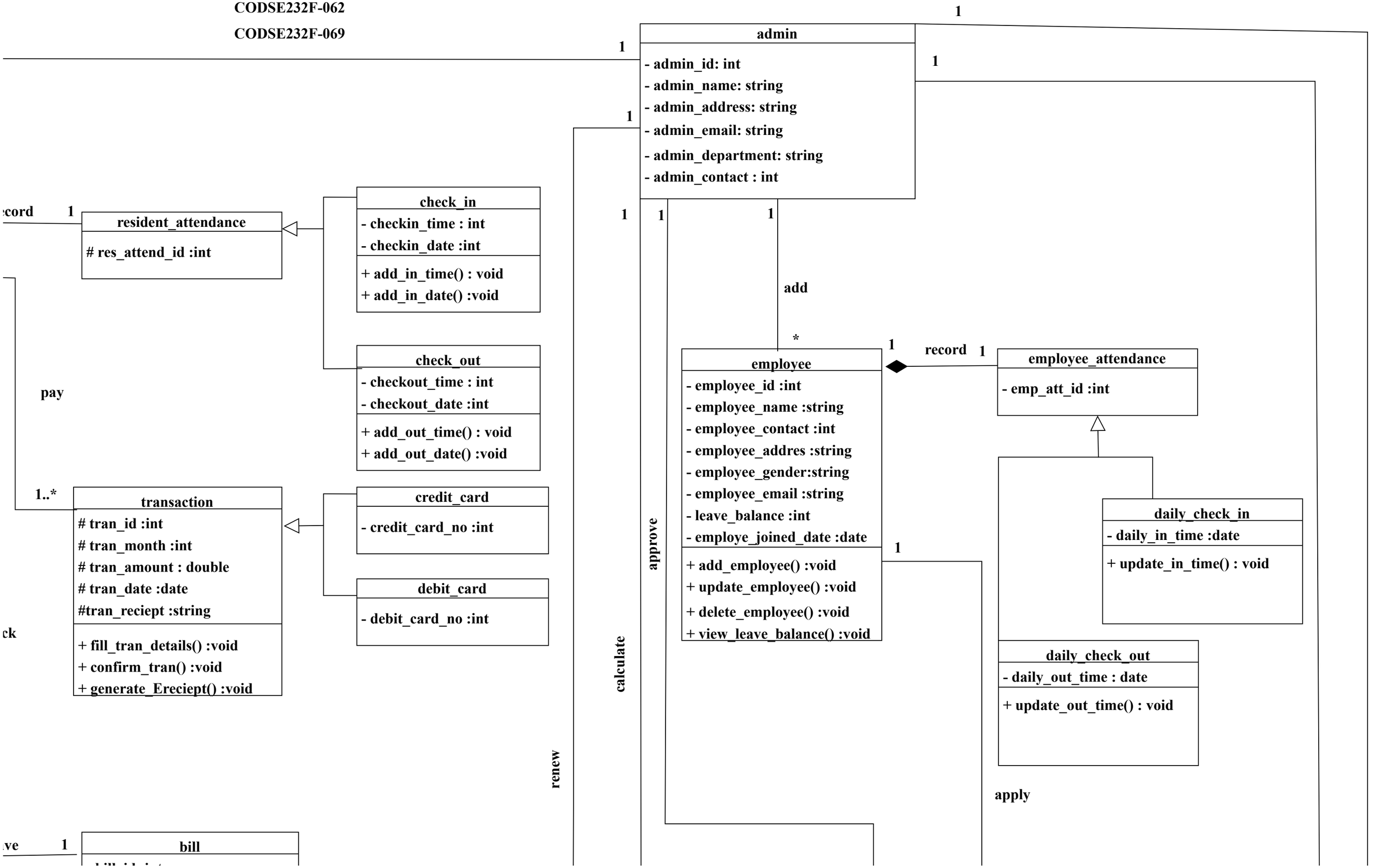
Hostel Management System - Class diagram

Group - 26

CODSE232F-009

CODSE232F-062

CODSE232F-069


admin
- admin_id: int
- admin_name: string
- admin_address: string
- admin_email: string
- admin_department: string
- admin_contact : int
1
1
1

- contact_duration :int

+ set_contract_details() :void
+ remainder_expiring() :void

- order_id :int
- order_quantity :int
- order_descp:string
- order_status :boolean
- order_date :date
- order_delivery_date :date

+ request_order() :void
+ view_order() :void
+ approve_order() :void
+ decline_order() :void

accept

*

*

approve

update

m

employee_vacancy

- emp_vacan_id :int
- job_title :string
- emp_department :string
- emp_status :enum
- emp_qulification:string

+ add_empVacan() :void
+ update_empVacan() :void
+ delete_empVacan() :void
+ view_empVacan() :void

1 check 1

guest

- guest_id:int
- guest_email :string
- guest_NIC : int
- guest_name:string
- guest_phone : int

+ register() :void
+ view_resVacan() :void
+ view_res_rules() :void
+ view_empVacan() :void
+ view_resVacan() :void

1 check 1

resident_vacancy

- room_id :int
- room_number :int
- capacity : int
- res_status : enum

+ add_resVacan() :void
+ update_resVacan() :void
+ delete_resVacan() :void
+ view_resVacan() :void

1 fill *

resident_application

- res_application_id :int
- res_phone :int
- res_email :string
- res_NIC : int
- res_application_date :date
- res_age : int
- res_username : string
- res_password : string
- res_applicant_name :string
- res_applicant_status :enum
- res_profile_pic :string
- res_form :string

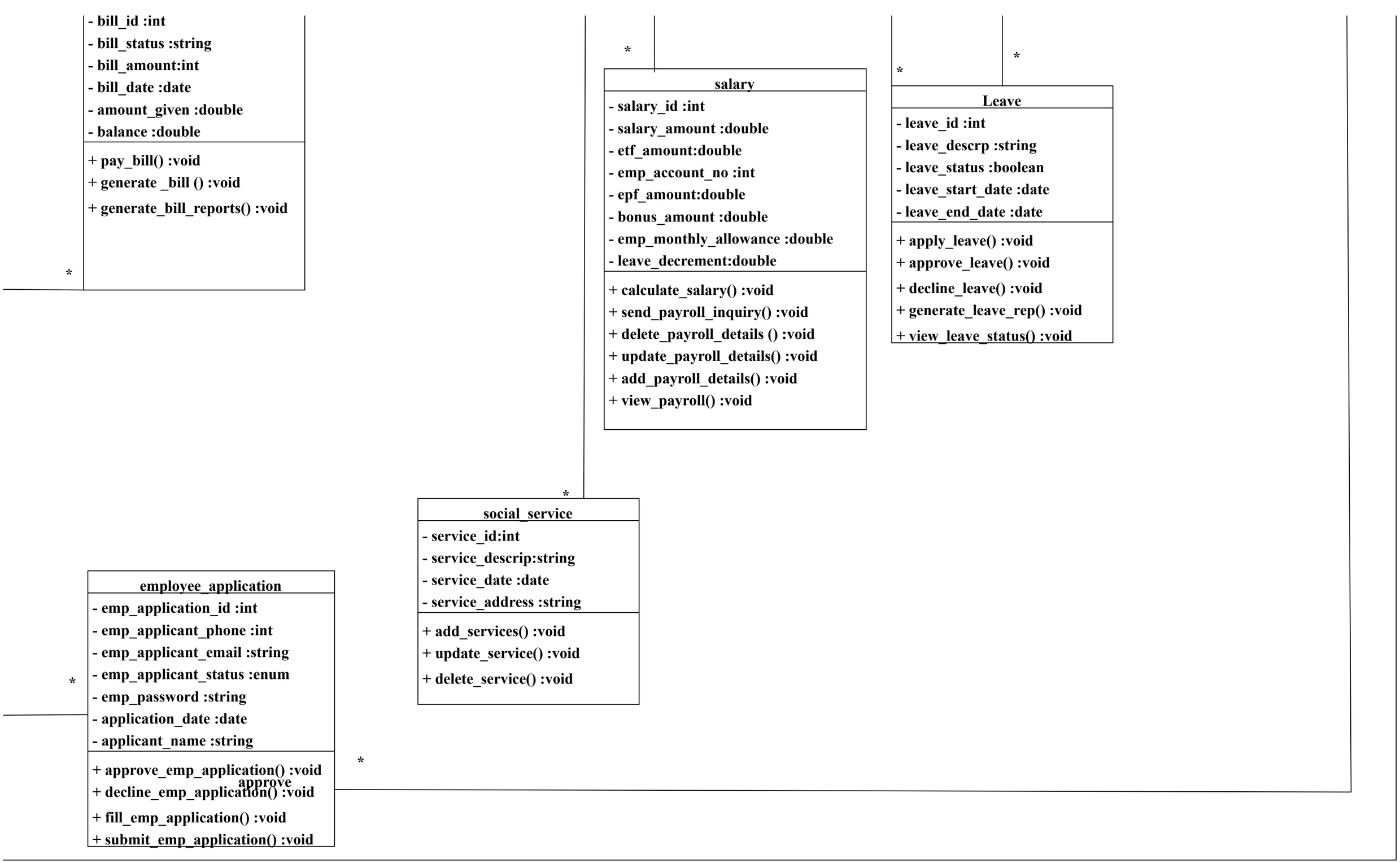
+ approve_res_application() :void
+ decline_res_application() :void
+ fill_res_application() :void
+ submit_res_application() :void

1

1

fill

update


- bill_id :int
- bill_status :string
- bill_amount:int
- bill_date :date
- amount_given :double
- balance :double
+ pay_bill() :void
+ generate _bill () :void
+ generate_bill_reports() :void
*
*
salary
- salary_id :int
- salary_amount :double
- etf_amount:double
- emp_account_no :int
- epf_amount:double
- bonus_amount :double
- emp_monthly_allowance :double
- leave_decrement:double
+ calculate_salary() :void
+ send_payroll_inquiry() :void
+ delete_payroll_details () :void
+ update_payroll_details() :void
+ add_payroll_details() :void
+ view_payroll() :void
*
*
Leave
- leave_id :int
- leave_descrp :string
- leave_status :boolean
- leave_start_date :date
- leave_end_date :date
+ apply_leave() :void
+ approve_leave() :void
+ decline_leave() :void
+ generate_leave_rep() :void
+ view_leave_status() :void
*
*
social_service
- service_id:int
- service_descrip:string
- service_date :date
- service_address :string
+ add_services() :void
+ update_service() :void
+ delete_service() :void
employee_application
- emp_application_id :int
- emp_applicant_phone :int
- emp_applicant_email :string
- emp_applicant_status :enum
- emp_password :string
- application_date :date
- applicant_name :string
+ approve_emp_application() :void
+ decline_emp_application() :void
+ fill_emp_application() :void
+ submit_emp_application() :void
*
approve
*