Class Diagram

Customer
- customer_ID
- name

Tour
- tour_id
- tour_type
- tour_destination
- start_time
- duration
- num_stops

Driver
- driver_ID
- name
- available

Scheduler
- scheduler_ID
- name

Bus
- bus_id
- seat_max
- seat_occupied
- available
- bus_type
- is_serviceable

Relationships:
- **Books** (Customer 0..* → Tour 0..*)
- **Has** (Tour 0..* → Driver 0..*)
- **Serves** (Customer 0..* ← Scheduler 1..*)
- **Creates** (Scheduler 1..* → Tour 0..*)
- **selects** (Tour 0..* → Bus 0..*)
- **Manages** (Scheduler 1..* → Bus 0..*)
- **drives** (Bus 0..* ← Driver 0..*)

Use Case Diagram

- Driver
- manage_bus
- manage tour
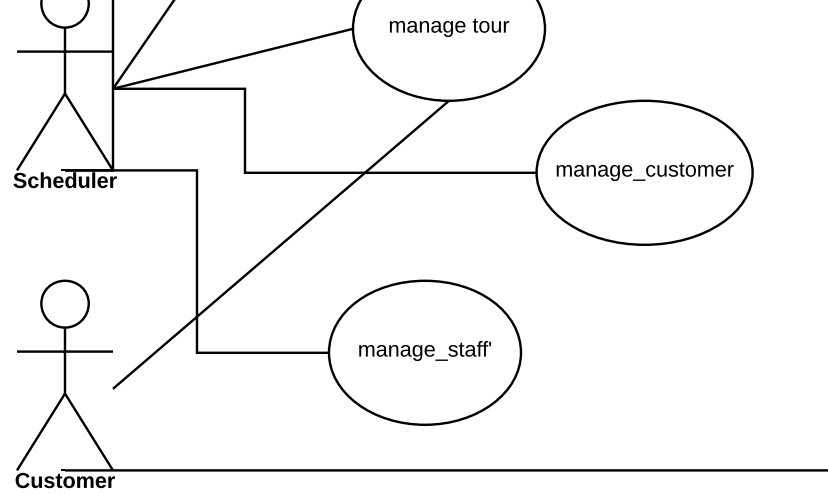- Log in

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Manage_bus
- schedule service
- schedule repair

Manage_tour
- schedule bus
- schedule driver
- schedule tour
- create tour
- inform driver
- shedule stops
- change reservation
- cancel tour

manage tour

Scheduler

manage_customer

Customer

manage_staff'

<<include>>

-shedule stops
-change reservation
-cancel tour

Manage_customer
-add to tour
-create account

Manage_staff
-assign driver
-add driver
-remove driver