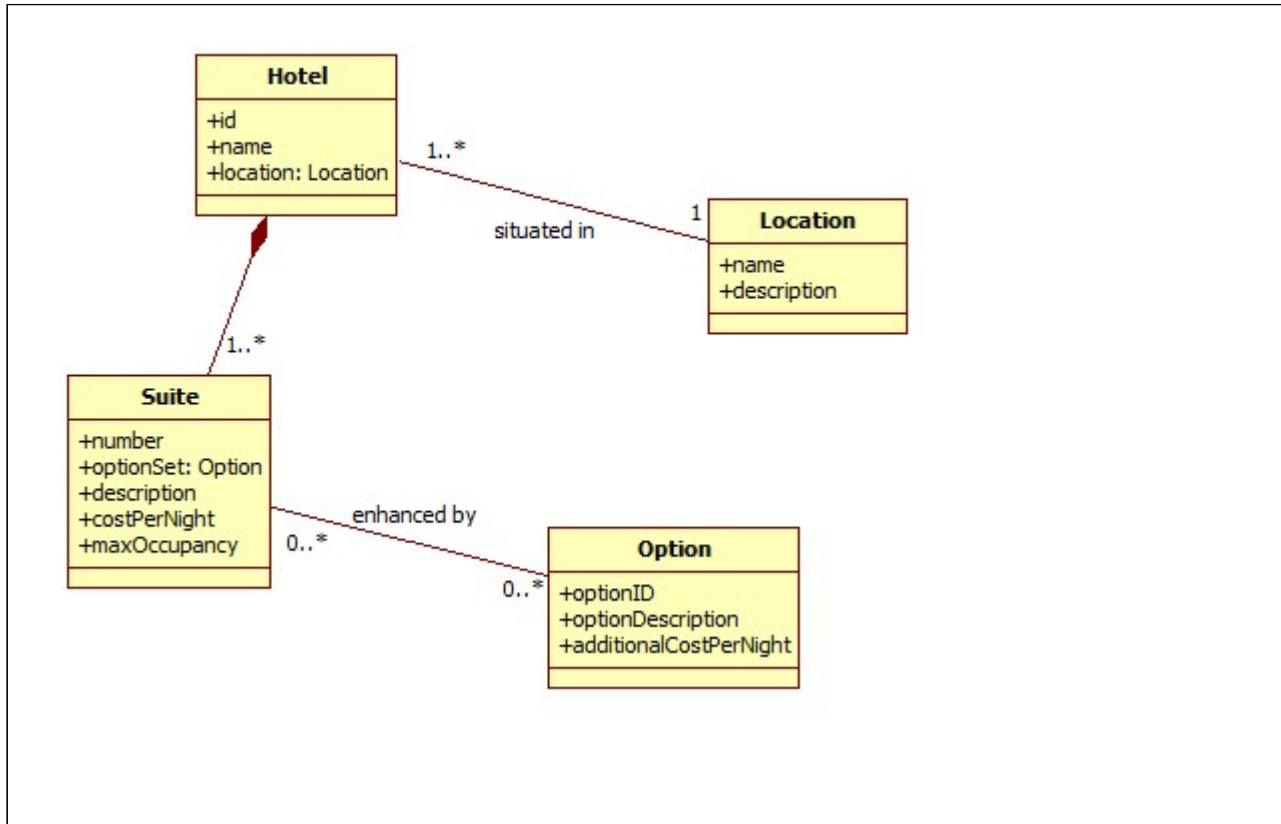**PART 1: HOTELS MODEL**

PART 1 A: Create a sequence diagram for each of the given scenarios using the given class diagram. A uml file for your answers has been provided.

You are designing a hotel system. Each hotel has a location. A hotel has many suites, each of which can be assigned one or more of a set of options.

Scenario 1: Add a Hotel

Admin	System
Request a list of locations	Returns names and descriptions of all locations in the DB
Enter hotel id, hotel name and location name	Create a hotel with the given id, name and location and add to the DB.

Scenario 2: Add Suite

Admin	System
Enter hotel ID	Returns hotel name and location name from the DB
Enters suite number, description, cost	Creates a hotel suite with the given information. Retrieves a list of options from the DB and displays option details – description, cost
Chooses option	Adds option to the suite
Repeats the above line until done.	Saves the new suite information to the database *Hint: remember the composition!*

Scenario 3: Delete Suite

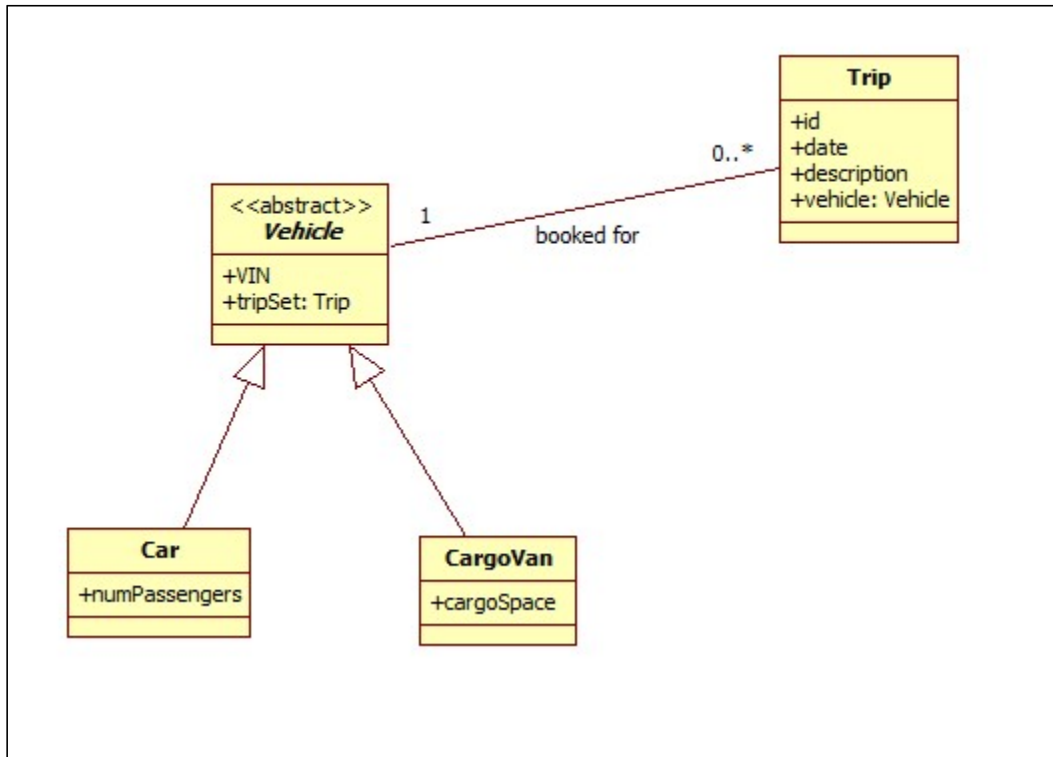| Admin	System
Enter hotel ID	Returns suite information for the hotel: number, description and all options (description, cost) for each suite.
Chooses suite for deletion	Deletes the suite (it is no longer part of the hotel) Update the DB to reflect the deletion

PART 1 B: You are given an incorrect diagram – ERROR Delete Hotel for the following scenario. Create a correct diagram in CORRECTION Delete Hotel

Scenario 4: Delete Hotel

Admin	System
Enter hotel ID	Gets hotel from the DB, displays hotel name.
Confirm deletion of the hotel	Deletes the hotel from the DB.

PART 2 : VEHICLES MODEL

Create a sequence diagram for each of the given scenarios using the given class diagram. A uml file for your answers has been provided.

Scenario 1: Get Trip Information for given date range

Service Rep	System
Enter date range	Retrieve all trips in the entered date range from the DB. For each display date, description and vehicle VIN

Scenario 2: Schedule cleaning for car

Service Rep	System
Enter car VIN	Get car info from the database and display number of passengers as well as dates of all scheduled trips for the car
Enters date for cleaning	Schedules a cleaning for that car and date –use a service controller to do the scheduling.