Diagramme de Classe UML

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<>User

id_user: int
nom: string
prenom : string
email: string
password:string
id_role: int

+ User()
+ login(email,password):void
+ logout():void

Client

+ register(full_name, email,password):void

Admin

+ ViewStat():void

Review

- id_rev: int
- vehicle_id: int
- user_id: int
- rating: int
- comment: string
- date_cre: datetime

+ modifyReview(idVehicle):void
+ softDelete():void
+ Add_Review(idVehicle, comment):void

Reservation

- id_res : int
- vehicle_id : int
- user_id : int
- start_date : string
- end_date : string
- pickup_location : string
- dropoff_location : string

+ acceptRes(id_res):void
+ refuseRes(id_res):void
+ viewallReservations():array
+ viewReservations_client():array

Vehicle

+ idVehicle:int
+ model: string
+ price_par_day:float
+ availability:bool
+ transmissionType:string
+ fuelType : string
+ mileage:float

+ calculateAvailability(start_date, end_date):void
+ AddVehicle(idVehicle):void
+ EditVehicle(id_activity):void
+ DeleteVehicle(id_res):void
+ ShowallVehicle():mixed
+ viewVehicleDetails(idVehicle)
+ rechercherVehicle(model):array
+ FiltrerVehicle(categorie):array

Category

+ idCategory:int
+ name: string
+ description:string

+ UpdateDetails():void
+ AddDetails():void
+ DeleteDetails():void

Relations:
- Client 1 — 0..n Review
- Client 1 — 0..n Reservation
- Review 0, n — Vehicle
- Reservation 1 — 0, n Vehicle
- Vehicle — Category (1)