<<interface>>

IAccountService

- + addOrUpdate(AccountDTO): AccountDTO
- + delete(String id): void
- + findAll(void): List<AccountDTO>
- + findByld(String): AccountDTO
- + findByUsername(String): AccountDTO
- + findByRole(String): List<AccountDTO>
- + findBanned(void): List<AccountDTO>
- + findDeleted(void): List<AccountDTO>

AccountService

- accountRepository: AccountRepository

<<Interface>>

IVehicleService

- + addOrUpdate(VehicleDTO): VehicleDTO
- + delete(String): void
- + findAll(void): List<VehicleDTO>
- + findByld(String): VehicleDTO

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VehicleService

- vehicleRepository: VehicleRepository

<<Interface>> IUserService

- + addOrUpdate(UserDTO): UserDTO
- + delete(String): void
- + findAll(void): List<UserDTO>
- + findByld(String): UserDTO
- + findByLastName(String): List<UserDTO>
- + findByAccount(AccountDTO): UserDTO
- + findByAccountUsername(String): UserDTO



UserService

- userRepository: UserRepository

<<Interface>> IRatingService

- + addOrUpdate(RatingDTO): RatingDTO
- + delete(String): void
- + findAll(void): List<RatingDTO>
- + findByld(String): RatingDTO



RatingService

- ratingRepository: RatingRepository

 $\hbox{-} image Storage Repository: II mage Storage Repository \\$

<<Interface>> **IRunService**

- + addOrUpdate(RunDTO): RunDTO
- + delete(String): void
- + findAll(void): List<RunDTO>
- + findByld(String): RunDTO
- + findByDriverId(String): List<RunDTO>
- + findNotCancelledByDriverId(String): List<RunDTO>
- + findByPassengerId(String): List<RunDTO>
- + findNotCancelledByPassengerId(String): List<RunDTO>
- + findByUserId(String): List<RunDTO>
- + findNotCancelledByUserId(String): List<RunDTO>
- + findCurrentByUserId(String): List<RunDTO>
- + findCurrentNotCancelledByUserId(String): List<RunDTO>
- + findPassedByUserId(String): List<RunDTO>
- + findPassedNotCancelledByUserId(String): List<RunDTO>
- + find(String, String, Date, String, String): List<RunDTO>



RunService

- runRepository: RunRepository

<<Interface>> **IWayPointService**

- + addOrUpdate(WayPointDTO): WayPointDTO + delete(String): void
- + findAll(void): List<WayPointDTO>
- + findById(String): WayPointDTO



WayPointService

- wayPointRepository: WayPointRepository

<<Interface>>

IAddressService

- + addOrUpdate(AddressDTO): AddressDTO
- + delete(String): void
- + findAll(void): List<AddressDTO>
- + findByld(String): AddressDTO
- + findBvTown(String): List<AddressDTO>
- + findByTownAndDistrict(String, String): AddressDTO



AddressService

- addressRepository: AddressRepository

<<Interface>> **ISubRunService**

- + addOrUpdate(SubRunDTO): SubRunDTO
- + delete(String): void
- + findAll(void): List<SubRunDTO>
- + findByld(String): SubRunDTO

SubRunService

- subRunRepository: SubRunRepository

<<Interface>> **ITollService**

- + addOrUpdate(TollDTO): TollDTO
- + delete(String): void
- + findAll(void): List<TollDTO>
- + findByld(String): TolIDTO

TollService

- tollRepository: TollRepository

<<Interface>>

IPassengerService

- + addOrUpdate(PassengerDTO): PassengerDTO
- + delete(String): void
- + findAll(void): List<PassengerDTO>
- + findByld(String): PassengerDTO
- + findByUserId(String): PassengerDTO



PassengerService

- PassengerRepository: PassengerRepository

<<Interface>> **IRunPriceService**

- + addOrUpdate(RunPriceDTO): RunPriceDTO
- + delete(String): void
- + findAll(void): List<RunPriceDTO>
- + findByld(String): RunPriceDTO
- + findByPower(int): RunPriceDTO



RunPriceService

- runPriceRepository: RunPriceRepository

<<Interface>>

ITransactionService

- + addOrUpdate(TransactionDTO): TransactionDTO
- + delete(String): void
- + findAll(void): List<TransactionDTO> + findById(int): TransactionDTO

- + findBytd(int): TransactionDTO
 + findByTransactionNumber(String): TransactionDTO
 + findByTransactionDate(DateTime): List<TransactionDTO>
 + findBySenderId(int): List<TransactionDTO>
 + findByState(TxSTate): List<TransactionDTO>

- + findByTransactionDateAndSenderId(DateTime, String): List<TransactionDTO>
- + findByTransactionDateAndReceiverId(DateTime, String): List<TransactionDTO>
- + findBySenderIdAndReceiverId(String, String): List<TransactionDTO>
- + findByTransactionDateAndState(DateTime, TxState): List<TransactionDTO>

TransactionService

- transactionRepository: TransactionRepository