dadakar-back

<<Interface>>
IAccountService

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

AccountService

- accountRepository: AccountRepository

<<Interface>>
IUserService

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

UserService

- userRepository: UserRepository

<<Interface>>
IVehicleService

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

VehicleService

- vehicleRepository: VehicleRepository

<<Interface>>
IRatingService

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

RatingService

- ratingRepository: RatingRepository

dadakar-back-img

```
                    <<Interface>>
                  IImageStorageService

+ store(InputStream, String, String, DBObject): String
+ getById(String): GridFSDBFile
+getByFilename(String): GridFSDBFile
+ findAll(void): List<GridFSDBFile>
```

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                  ImageStorageService

- imageStorageRepository: IImageStorageRepository
```

dadakar-back-run

<<Interface>>
IRunService

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

WayPointService

- wayPointRepository: WayPointRepository

<<Interface>>
IAddressService

+ addOrUpdate(WayPointDTO): AddressDTO
+ delete(WayPointDTO): void
+ findAll(void): List<AddressDTO>
+ findById(String): AddressDTO
+ findByTown(String): List<AddressDTO>
+ findByTownAndDistrict(String, String): AddressDTO

AddressService

- addressRepository: AddressRepository

<<Interface>>
ISubRunService

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

SubRunService

- subRunRepository: SubRunRepository

<<Interface>>
ITollService

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

TollService

- tollRepository: TollRepository

<<Interface>>
IPassengerService

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

PassengerService

- PassengerRepository: PassengerRepository

<<Interface>>
IRunPriceService

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

RunPriceService

- runPriceRepository: RunPriceRepository

<<Interface>>
ITransactionService

+ addOrUpdate(TransactionDTO): TransactionDTO
+ delete(TransactionDTO): void
+ findAll(void): List<TransactionDTO>
+ findById(int): TransactionDTO
+ findByTransactionNumber(String): TransactionDTO
+ findByTransactionDate(DateTime): List<TransactionDTO>
+ findBySenderId(int): LIst<TransactionDTO>
+ findByReceiver(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