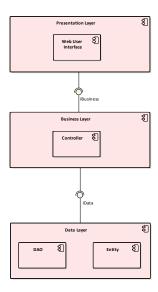
Company Fleet System

Third Iteration

Berker Katipoglu Atsamaz Akopyan Vladimir Ananyev Sanan Pashayev Oleksii Tarbeiev Muntaser Abu Zaid

May 17, 2018

Architecture



Design Class Model

Presentation

- + NewTripView
- + RequestView
- + ReservationView
- + controller::IReservationController

Business

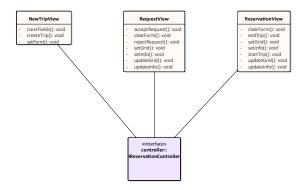
- + ReservationController
- → + dao::IDepartmentDao → + dao::IEmployeeDao
- → + dao::IReservationDao
- → + dao::ITripDao
- → + IReservationController

Data

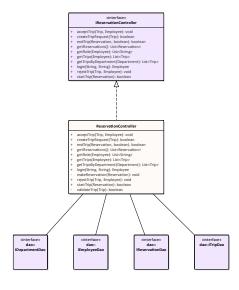
+ Entity

+ Dao

Presentation Layer



Business Layer

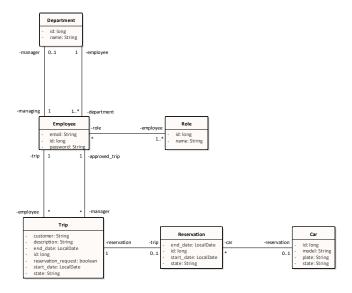


Data Layer



Dao → + ICarDao → + IDepartmentDao → + IEmployeeDao → + IRservationDao → + IRoleDao → + ITripDao

Data Layer - Entity



Data Layer - DAO

«interface» IDepartmentDao

«interface» IEmployeeDao

+ findByEmailAndPassword(String, String): List<Employee>

«interface» IRoleDao

findByEmployeeId(long): List<Role>

«interface» ITripDao

- + findByEmployeeDepartmentId(long): List<Trip>
- + findByEmployeeId(long): List<Trip>
- findByEnddateAfterAndStartdateBeforeAndEmployeeAndStateNot(LocalDate, LocalDate, Employee, String): List<Trip>

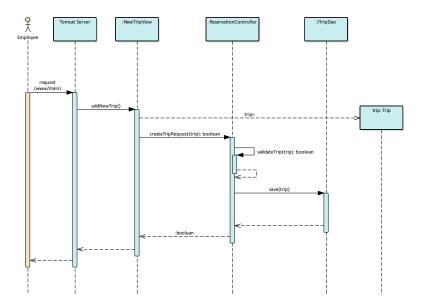
«interface» IReservationDao

- + findByCarAndState(Car, String): List<Reservation>
- + findByCarModelNot(String): List<Reservation>
- + findByTripEnddateAfterAndTripStartdateBefore(LocalDate, LocalDate): List<Reservation>
- + findByTripEnddateBeforeAndState(LocalDate, String): List<Reservation>

«interface»

- + findBvPlate(String); Car
- + findByState(String): List<Car>

Sequence - Create Trip Request



Sequence - Confirm Trip Request

