**1 - 用例**

zygl\core-api\src\main\java\mike\wolf\zygl\api\application\port\in\vehicle\vehicle\FindAllVehicleUseCase.java

public interface FindAllVehicleUseCase {

CompletableFuture<ResponseEntity<List<VehicleDTO>>> findAll();

/\*命令 \*/

@Builder()

@Getter

public class FindAllQuery { }

}

**2 -**

zygl\core-api\src\main\java\mike\wolf\zygl\api\application\service\vehicle\vehicle\QueryVehicleService.java

public class QueryVehicleService implements FindAllVehicleUseCase {

@Override

public CompletableFuture<ResponseEntity<List<VehicleDTO>>> findAll() {

return queryGateway.query(

FindAllQuery.builder().build(),

ResponseTypes.multipleInstancesOf(VehicleDTO.class))

.thenApply(this::wrapResultList);

}

@NotNull

private <T> ResponseEntity<T> wrapResult(T result) {

return wrapResult(Objects::isNull, result);

}

@NotNull

private <T> ResponseEntity<List<T>> wrapResultList(List<T> result) {

return wrapResult(resultList -> Objects.isNull(resultList) || resultList.isEmpty(), result);

}

@NotNull

private <T> ResponseEntity<T> wrapResult(Predicate<T> assertResult, T result) {

return assertResult.test(result) ? ResponseEntity.notFound().build() : ResponseEntity.ok(result);

}

}

**3 -**

zygl\adapters\persistence\src\main\java\mike\wolf\zygl\adapter\persistence\adapter\VehicleEventHandler.java

@Service

public class VehicleEventHandler {

private final VehicleRepository vehicleRepository;

@QueryHandler

public List<VehicleDTO> find(final FindAllVehicleUseCase.FindAllQuery query) {

return vehicleRepository.findAll().stream()

.map(**VehicleMapper.INSTANCE::toDto**)

.collect(Collectors.toList());

}

**4 -**

zygl\adapters\web\src\main\java\mike\wolf\zygl\adapter\web\service\VehicleFacade.java

@Service

public class VehicleFacade {

private final FindAllVehicleUseCase findAllVehicleUseCase;

public CompletableFuture<ResponseEntity<List<VehicleDTO>>> findAll() {

return findAllVehicleUseCase.findAll();

}

}

**5 -**

zygl\adapters\web\src\main\java\mike\wolf\zygl\adapter\web\controller\vehicle\vehicle\VehicleQueryController.java

@RestController

@Slf4j

@RequestMapping("/vehicles")

@RequiredArgsConstructor

@CrossOrigin

public class VehicleQueryController {

private final VehicleFacade vehicleFacade;

@GetMapping()

public CompletableFuture<ResponseEntity<List<VehicleDTO>>> getAllVehicles() {

return vehicleFacade.findAll();

}

}

**6 -**

zygl\adapters\persistence\src\main\java\mike\wolf\zygl\adapter\persistence\mappers\VehicleMapper.java

@Mapper

public interface VehicleMapper {

VehicleMapper INSTANCE = Mappers.getMapper(VehicleMapper.class);

@Mappings({

@Mapping(source = "vehicleJpaEntity.vehicleState.name", target = "stateName"),

@Mapping(source = "vehicleJpaEntity.vehicleType.name", target = "typeName")

})

VehicleDTO toDto(VehicleJpaEntity vehicleJpaEntity);

VehicleJpaEntity toEntity(VehicleDTO vehicleDTO);

}